

Date: December 8, 2005

Project Status Report #8
prepared by
Moffatt & Nichol

Project:
Dredged Material Management Consulting – Coastal

Project Manager:
Peter W. Kotulak

Assignee(s) (Consultants/Contractors):
M&N, SAIC, Chesapeake Environmental Mgmt

Contract Period:
9/25/05 – 10/29/05

Budget Line # PIN #:

Contract #:
502820C

Task #, Name:
3, Masonville Feasibility/
Environmental Impact

Project Budget (Total):
\$420,614.00

Revisions:
None

Revision #:
N/A

% Complete (Total):
80%

% Expended (Total):
80%

% Complete (Crnt FY): Var/Balance:
80% 0%

% Expended (Crnt FY): Var/Balance:
80% 0%

Project Goal(s):

Preparation of the Feasibility/Environmental Impact Statement (EIS) Document to obtain regulatory agency approval to construct the Masonville Dredged Material Containment Facility (DMCF).

Project Objectives:

Undertake a data collection program in the Patapsco River and Chesapeake Bay to provide information on baseline hydrodynamic conditions and for hydrodynamic model calibration and verification. Science Applications International Corporation (SAIC) will serve as subconsultant to provide, deploy, and monitor the instrumentation. Prepare mitigation options that will be required to compensate for filling in the water and covering existing sediments both onsite and offsite. Provide technical input into addressing the concerns of the regulatory agencies in regard to obtaining the necessary environmental permits. Provide engineering support for community enhancement items not addressed through mitigation process. Chesapeake Environmental Management will serve as subconsultant for this subtask. Perform hydrodynamic, salinity, residence time, and sedimentation modeling to evaluate impacts of project on surrounding environment. The results of all the modeling studies will be presented in a Hydrodynamic Numerical Modeling Report. Pertinent findings from the hydrodynamic, salinity, residence time, and sedimentation modeling will be incorporated in the Feasibility/EIS.

Project Status - Issues/Solutions (both required):

Continued work and studies for the Masonville DMCF. Continued work on the Draft Environmental Impact Statement (EIS) and submitted preliminary draft to Project Delivery Team (PDT) for internal review. Continued data collection of Patapsco River currents. Participated in developing mitigation plans and attended mitigation team meetings to complete project impacts inventory, prioritize mitigation options. Attended Bay Enhancement Working Group (BEWG) meeting to provide input into mitigation process. Participated in field visits to Masonville Cove for mitigation and community enhancement strategies. Continued work on hydrodynamic modeling, continued salinity and sedimentation modeling using both regional and local models.

Peter W. Kotulak

(Project Manager)

December 8, 2005

(Date)

Date: December 8, 2005

Project Status Report #8
prepared by
Moffatt & Nichol

Project:
Dredged Material Management Consulting – Coastal

Project Manager:
Peter W. Kotulak

Assignee(s) (Consultants/Contractors):
M&N, Chesapeake Environmental Mgmt

Contract Period:
9/25/05 – 10/29/05

Budget Line # PIN #:

Contract #:
502820C

Task #, Name:
4, Masonville
Preconstruction
Engineering and Design

Project Budget (Total):
\$502,221.80

Revisions:
None

Revision #:
N/A

% Complete (Total):
20%

% Expended (Total):
17.7%

% Complete (Crnt FY): Var/Balance:
20% 0%

% Expended (Crnt FY): Var/Balance:
17.7% 0%

Project Goal(s):

Preparation of the Final Design and Contract Documents for construction of the Masonville Dredged Material Containment Facility (DMCF), Community Enhancements and Mitigation Projects.

Project Objectives:

Prepare Basis of Design for coastal protection, retention structures, spillways, barge unloading facilities and community enhancement/mitigation projects. Provide final engineering design and contract documents including construction drawings, specifications and cost estimates. Prepare submittals at 30, 90 and 100 percent levels of completion. Chesapeake Environmental Management will serve as subconsultant for this subtask.

Project Status - Issues/Solutions (both required):

Continued work and studies for the Masonville DMCF, assisted in preparing predredging plans and specifications. Assisted in studies regarding geotechnical issues such as dike foundation designs, borrow material sources and dike construction methodologies. Worked on preparing benefits report evaluating filling the Wet Basin. Evaluated methods for moving the sunken wrecks, water main relocation and storm drain relocation. Attended design meetings with project team to discuss project planning and development. Attended accelerated feasibility and design meetings with Harbor Development and Engineering to discuss project status and coordinate DMCF project with MPA Engineering Capital projects.



(Project Manager)

December 8, 2005

(Date)

Date: December 8, 2005

Project Status Report #8
prepared by
Moffatt & Nichol

Project:

Dredged Material Management Consulting – Coastal

Project Manager:

Peter W. Kotulak

Assignee(s) (Consultants/Contractors):

M&N, E2CR, Biohabitats, Ecologix

Contract Period:

9/25/05 – 10/29/05

Budget Line #

PIN #:

Contract #:

502820C

Task #, Name:

5, Sparrows Point DMCF
Feasibility/
Environmental Impact

Project Budget (Total):

\$629,293.00

Revisions:

None

Revision #:

N/A

% Complete (Total):

2.5%

% Expended (Total):

2.5%

% Complete (Crnt FY):

2.5%

Var/Balance:

0%

% Expended (Crnt FY):

2.5%

Var/Balance:

0%

Project Goal(s):

Preparation of the Feasibility/Environmental Impact Statement Document to obtain regulatory agency approval to construct the Sparrows Point Dredged Material Containment Facility (DMCF).

Project Objectives:

Refine the coastal protection designs for the alternate dike alignments that are still under consideration for both the main DMCF cell and for the Wetland Cell. Perform physical model testing upon approval from MPA. MN will coordinate with the testing facility to insure that the model tests meet the study objectives. The results of the coastal engineering studies including any model testing will be presented in a Coastal Engineering Report. In conjunction with subconsultant E2CR and GBA, prepare Basis of Design contract documents for test dike. Prepare mitigation options that will be required to compensate for filling in the water and covering existing sediments both onsite and offsite. Provide technical input into addressing the concerns of the regulatory agencies in regard to obtaining the necessary environmental permits. Provide engineering support for community enhancement items not addressed through mitigation process. Biohabitats and Ecologix will serve as subconsultants for this subtask. Perform hydrodynamic, salinity, residence time, and sedimentation modeling to evaluate impacts of project on surrounding environment. The results of all the modeling studies will be presented in a Hydrodynamic Numerical Modeling Report. Pertinent findings from the hydrodynamic, salinity, residence time, and sedimentation modeling will be incorporated in the Feasibility/EIS. It is proposed to develop the main DMCF cell into a marine terminal once site filling has been completed. Accordingly, the containment structure along the west perimeter will be designed so that it can be incorporated into a future marginal wharf. Alternate retention structures to be evaluated include: armored sand dike, stepped rock dike, steel cofferdam cells, and braced steel master pile wall. This evaluation will consider both the initial retention structure and the future berth. Phasing of construction will be addressed due to the poor foundation conditions. The findings of this study will be incorporated into an Alternate DMCF Retention Structure Report. Additional subsurface investigations are required to refine alignments, verify soil conditions, and define quantities. These investigations will consist of borings, probes, cone penetration tests, vane shear tests, and laboratory tests. A supplementary subsurface investigation program will be submitted to MPA for review and approval prior to initiating field work. The findings of the investigation program along with the results of the geotechnical analyses will be documented in a report. This subtask will be performed by subconsultant E2CR.

Project Status - Issues/Solutions (both required):

Continued studies of community enhancement and mitigation options. Continued studies for construction of test dike.

Peter W. Kostulak

(Project Manager)

December 8, 2005

(Date)

Date: December 8, 2005

Project Status Report #8
prepared by
Moffatt & Nichol

Project:
Dredged Material Management Consulting – Coastal

Project Manager:
Peter W. Kotulak

Assignee(s) (Consultants/Contractors):
M&N, Chesapeake Env. Mgmt., Ecologix

Contract Period:
9/25/05 – 10/29/05

Budget Line # PIN #:

Contract #:
502820C

Task #, Name:
6, BP-Fairfield DMCF
Feasibility/
Environmental Impact

Project Budget (Total):
\$210,664.00

Revisions:
None

Revision #:
N/A

% Complete (Total):
3%

% Expended (Total):
2.9%

% Complete (Crnt FY): Var/Balance:
3% 0%

% Expended (Crnt FY): Var/Balance:
2.9% 0%

Project Goal(s):

Preparation of the Feasibility/Environmental Impact Statement Document to obtain regulatory agency approval to construct the BP-Fairfield Dredged Material Containment Facility (DMCF).

Project Objectives:

Refine the coastal protection designs for the alternate dike alignments that are still under consideration for the DMCF and document results in a Coastal Engineering Report. Collect additional data, as required, to supplement the data collection effort outlined in Subtask 3.2. These data will include current velocity/direction, suspended sediments, salinity, and temperature. Prepare mitigation options that will be required to compensate for filling in the water and covering existing sediments both onsite and offsite. Provide technical input into addressing the concerns of the regulatory agencies in regard to obtaining the necessary environmental permits. Provide engineering support for community enhancement items not addressed through mitigation process. Chesapeake Environmental and Ecologix will serve as subconsultants for this subtask. Perform hydrodynamic, salinity, residence time, and sedimentation modeling to evaluate impacts of project on surrounding environment. The results of all the modeling studies will be presented in a Hydrodynamic Numerical Modeling Report. Pertinent findings from the hydrodynamic, salinity, residence time, and sedimentation modeling will be incorporated in the Feasibility/EIS. Additional subsurface investigations are required to refine alignments, verify soil conditions, and define quantities. These investigations will consist of borings, probes, cone penetration tests, vane shear tests, and laboratory tests. Provide input relative to formulation of the subsurface investigation program, review of the Geotechnical Report, and implementation of recommendations on dike construction and borrow sources.

Project Status - Issues/Solutions (both required):

Attended design meetings with the project team to discuss overall project status. No work performed on this project during this period.



(Project Manager)

December 8, 2005
(Date)

Date: December 8, 2005

Project Status Report #8

prepared by
Moffatt & Nichol

Project:
Dredged Material Management Consulting – Coastal

Project Manager:
Peter W. Kotulak

Assignee(s) (Consultants/Contractors):
M&N, Biohabitats

Contract Period:
9/25/05 – 10/29/05

Budget Line # PIN #:

Contract #:
502820C

Task #, Name:
7, Poplar Island
Expansion – GRR
Evaluation

Project Budget (Total):
\$209,086.00

Revisions:
None

Revision #:
N/A

% Complete (Total):
25%

% Expended (Total):
24%

% Complete (Crnt FY): Var/Balance:
25% 0%

% Expended (Crnt FY): Var/Balance:
24% 0%

Project Goal(s):to

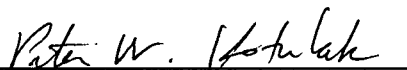
Preparation of a General Reevaluation Review (GRR) for the expansion of Poplar Island to obtain funding authorization through a Water Resources Development Act (WRDA).

Project Objectives:

Review the GRR as regards concepts, alternatives, alignments, and analyses for the Poplar Island Expansion (PIE) currently being performed by CENAB, focusing on dike sections, coastal protection, and impacts on tidal hydrodynamics, sedimentation, morphological change, wave refraction/diffraction and wave energy distribution. Provide input that will be used to develop plans for placement of dredged material within the expansion area and creation of tidal wetlands. Perform hydrodynamic, salinity, residence time, and sedimentation modeling to evaluate impacts of project on surrounding environment. The results of all the modeling studies will be presented in a Hydrodynamic Numerical Modeling Report. Using the model, evaluate morphological changes in the vicinity of the project and assess the potential for long-term accumulation of sediments in the area. Model and evaluate wave refraction/diffraction and wave energy distribution differences for existing and with-project conditions. The results of all the modeling studies will be presented in a Hydrodynamic Numerical Modeling Report. Pertinent findings from the hydrodynamic, salinity, residence time, and sedimentation modeling will be incorporated in the GRR.

Project Status - Issues/Solutions (both required):

Continued review of final GRR received from CENAB. Attended meetings with project team to develop designs to improve project value. Worked on preparing report for the Value Engineering (VE) phase to be conducted in early 2006. Performed coastal and numerical modeling studies to evaluate expansion plan and MPA design, and provided input on MPA VE design development.



(Project Manager)

December 8, 2005
(Date)

Date: 9/01/05-9/30/05

Project Status Report Form
prepared by
Harbor Development

Project Name:

Open Ended Contract for Dredged Material
 Management Support - Environmental
 Engineering Services

Project Manager: Frank Pine**MPA Project Manager:** Steve Storms**Assignee(s) (Consultants/Contractors):**

EA Engineering, Science, and Technology, Inc.

Contract Period: 3/01/05 – 12/31/06**Budget Line #****PIN #:****Contract #:****Task #, Name:**

1290

54110010

502820B

Task 6, BP/Fairfield
Feasibility/EIS**Project Budget (Total):**Original: \$93,483; Total: \$93,483**Revisions:** 0**Revision #:****% Complete (Total):** 15%**% Expended (Total):** 15%

| INVOICE AMOUNT | TOTAL TO DATE | AUTHORIZED AMOUNT | REMAINDER TO DATE | % to date | % remaining |
|-------------------|------------------|----------------------|----------------------|--------------|----------------|
| \$5,097.65 | \$14,048.99 | \$93,483.00 | \$79,434.01 | 15% | 85% |

Project Goal(s): To complete the necessary studies required to support the completion of a feasibility/EIS; develop mitigation options; complete the required NEPA documentation for this site.

Project Objectives: Conduct field investigations and prepare data reports; provide support in preparing and completing the feasibility/EIS for BP-Fairfield; attend Harbor site meetings (Harbor Team, public outreach and PDT meetings) including presentation development.

Project Status - Issues/Solutions (both required): Data summarization for the Summer 2005 fisheries studies occurred during this period. EA staff attended one general Harbor Sites progress meeting (1 staff member). Some charges from the August field effort are included in the invoice.

Date: 9/01/05-9/30/05

Project Status Report Form
prepared by
Harbor Development

Project Name: Open Ended Contract for Professional Environmental Engineering Services

Task #, Name: Task 6, BP/Fairfield Feasibility/EIS

Signature/Date:  10/14/05
(Project Manager)

Date: 9/01/05-9/30/05

Project Status Report Form
prepared by
Harbor Development

Project Name:

Open Ended Contract for Dredged Material
 Management Support - Environmental
 Engineering Services

Project Manager: Frank Pine**MPA Project Manager:** Steve Storms**Assignee(s) (Consultants/Contractors):**

EA Engineering, Science, and Technology, Inc.

Contract Period: 3/01/05 – 12/31/06**Budget Line #****PIN #:****Contract #:****Task #, Name:**

1290

54110010

502820B

Task 3, Masonville
Feasibility/EIS**Project Budget (Total):****Revisions:** 0**Revision #:**Original: \$451,369; Total: \$451,369

| INVOICE AMOUNT | TOTAL TO DATE | AUTHORIZED AMOUNT | REMAINDER TO DATE | % to date | % remaining |
|-------------------|------------------|----------------------|----------------------|--------------|----------------|
| \$43,294.26 | \$209,288.43 | \$451,369.00 | \$242,080.57 | 46% | 54% |

Project Goal(s): To complete the necessary studies required to support the completion of a feasibility/EIS; develop mitigation options and permit support documents; complete the required NEPA documentation for this site.

Project Objectives: Conduct field investigations and prepare data reports; provide support in preparing and completing the feasibility/EIS for Masonville; attend Harbor site meetings (Harbor Team, Public Scoping/outreach, PDT, and Corps and JE Committee meetings) including presentation development.


Project Status - Issues/Solutions (both required): Masonville EIS document preparation continued throughout the period. Sediment Quality and benthic data summarization and analysis completed. EA staff worked with PDT to develop mitigation options for Masonville, which involved several meeting/conference calls. Some derelict vessel remediation support time was also accrued under this task. EA staff attended one Harbor PDT meeting (2 staff) which focused on the EIS document. EA staff also attended one meeting in preparations for Oct. Harbor Team Meeting (1 staff).

Date: 9/01/05-9/30/05

Project Status Report Form
prepared by
Harbor Development

Project Name: Open Ended Contract for Professional Environmental Engineering Services

Task #, Name: Task 3, Masonville Feasibility/EIS

Signature/Date:  10/24/05
(Project Manager)

Date: 9/01/05-9/30/05

Project Status Report Form
prepared by
Harbor Development

Project Name:

Open Ended Contract for Dredged Material Management Support - Environmental Engineering Services

Project Manager: Frank Pine

MPA Project Manager: Steve Storms

Assignee(s) (Consultants/Contractors):

EA Engineering, Science, and Technology, Inc.

Contract Period: 3/01/05 – 2/28/09

Budget Line #

1290

PIN #:

54110010

Contract #:

502820B

Task #, Name:

Task 1, DMMP Technical Services

Project Budget (Total):

Original: \$138,306; Total: \$138,306

Revisions: 0

Revision #:

INVOICE
AMOUNT

TOTAL
TO DATE

AUTHORIZED
AMOUNT

REMAINDER
TO DATE

% to
date

%
remaining

\$3,737.98

\$16,050.68

\$138,306.00

\$122,255.32

12%

88%

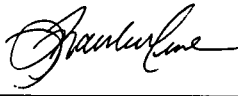
Project Goal(s): This Task Order is to cover significant additional work for support of the DMMP.

Project Objectives: Attend BEWG meetings; attend citizens committee and management committee meets as requested; provide support in completing the DMMP reports and legislative reports; assist in a variety of support services for the State DMMP process and related tasks

Project Status - Issues/Solutions (both required): We are continuing to support the Harbor Site Studies and Mitigation Identification, Poplar Island Expansion, and the Mid-Bay Island Plan NEPA process under separate contracts/tasks. During this period, one BEWG was attended (1 staff person each). EA Staff provided assistance in preparations for the September BEWG meeting at the end of the period. EA has also been providing significant derelict vessel remediation support under this task. One staff member attended one internal and one MDE meeting regarding derelict vessels. Some management time was also accrued.

Date: 9/01/05-9/30/05

Project Status Report Form
prepared by
Harbor Development

Signature/Date:  10/24/05
(Project Manager)

Date: 9/01/05-9/30/05

Project Status Report Form
prepared by
Harbor Development

Project Name:

Open Ended Contract for Dredged Material
 Management Support - Environmental
 Engineering Services

Project Manager: Frank Pine**MPA Project Manager:** Steve Storms**Assignee(s) (Consultants/Contractors):**

EA Engineering, Science, and Technology, Inc.

Contract Period: 3/01/05 – 2/28/09**Budget Line #****PIN #:****Contract #:****Task #, Name:**

1290

54110010

502820B

Task 5, Sparrows Point
Feasibility/EIS**Project Budget (Total):****Revisions:** 0**Revision #:**Original: \$411,711; Total: \$411,711

| INVOICE AMOUNT | TOTAL TO DATE | AUTHORIZED AMOUNT | REMAINDER TO DATE | % to date | % remaining |
|-------------------|------------------|----------------------|----------------------|--------------|----------------|
| \$1,048.42 | \$5,765.64 | \$411,711.00 | \$405,945.36 | 1% | 99% |

Project Goal(s): To complete the necessary studies required to support the completion of a feasibility/EIS; develop mitigation options; complete the required NEPA documentation for this site.

Project Objectives: Conduct field investigations and prepare data reports; provide support in preparing and completing the feasibility/EIS for Sparrows Point; attend Harbor site meetings (Harbor Team, public outreach and PDT meetings) including presentation development.


Project Status - Issues/Solutions (both required): EA staff attended one general Harbor Sites progress meeting (1 staff member). Minor assistance was provided to PDT for Sparrows Point community enhancement development.

Date: 9/01/05-9/30/05

Project Status Report Form
prepared by
Harbor Development

Project Name: Open Ended Contract for Professional Environmental Engineering Services

Task #, Name: Task 5, Sparrows Point Feasibility/EIS

Signature/Date:  10/24/05
(Project Manager)

Date:

September 30, 2005

Project Status Report Form

prepared by

Gahagan & Bryant Associates, Inc.

| | |
|---|-------------------------|
| Project | Project Manager: |
| Dredged Material Management Consulting - Dredging | Daniel A. Wilson |

| | |
|---|-----------------------------------|
| Assignee(s) (Consultants/Contractors): | Contract Period: |
| Gahagan & Bryant Associates, Inc. | September 1, - September 30, 2005 |

| | | | |
|----------------------|---------------|--------------------|--------------------------------|
| Budget Line # | PIN #: | Contract #: | Task #, Name: |
| 1155 | 54100010 | 502820A | Task 1 DMMP Technical Services |

| | | |
|--------------------------------|-------------------|--------------------|
| Project Budget (Total): | Revisions: | Revision #: |
| \$443,106 | | |

| | |
|----------------------------|----------------------------|
| % Complete (Total): | % Expended (Total): |
| 30% | 26.64% |

| | | | |
|------------------------------|---------------------|------------------------------|---------------------|
| % Complete (Crnt FY): | Var/Balance: | % Expended (Crnt FY): | Var/Balance: |
| 25% | Favorable/75% | 7.50% | Favorable / 92.50% |

Project Goal(s)

Technical services supporting the DMMP are varied and are of an immediate and timely nature. The services are determined by MPA as on-going plans evolve and as issues develop within the local and state communities. Services to be provided require the intimate working knowledge of both the CENAB and the MPA Dredged Material Management Program needs; the Chesapeake Bay local, state and federal agency authorization processes; and the Corps of Engineers Civil Works Construction Programs.


Project Objectives

GBA will provide qualified staff to assist the MPA with the following subtasks

- | | |
|---------------------------------------|--|
| 1.1) DMMP Study plans and work plans | 1.5) Evaluate New Options and Alternatives |
| 1.2) DMMP Timelines and Flow Diagrams | 1.6) Site Visits & Data Collection |
| 1.3) DMMP Cost Estimates | 1.7) DMMP Meetings |
| 1.4) DMMP Documents and Presentations | 1.8) Memorandum Reports |

Project Status - Issues/Solutions (both required):

GBA finalized the dredged material placement section of the North Locust Point fastland creation report. GBA also provided Mr. Hamons and Dr. Storms with assistance in preparing presentation slides for the Masonville project and summarizing the characteristics of the Harbor sites. GBA personnel also attended the BEWG and DMMP Management Committee meetings. Ecologix provided general DMMP outreach and support to the MPA regarding Harbor issues, particularly Masonville mitigation and Sparrows Point outreach.

| | |
|---|------------------|
|  | October 25, 2005 |
| (Project Manager) | (Date) |

| Budget Amount | Budget Spent | Budget Remaining |
|---------------|--------------|------------------|
| \$443,106 | \$118,023 | \$325,083 |

| | | |
|--|--------|--------|
| | % | % |
| | 26.64% | 73.36% |

| | Fiscal Yr Spent | Fiscal Year Balance |
|--|-----------------|---------------------|
| | \$33,242 | \$325,083 |

| | | |
|--|-------|--------|
| | % | % |
| | 7.50% | 73.36% |

Date:

September 30, 2005

Project Status Report Form

prepared by

Gahagan & Bryant Associates, Inc.

| Project | Project Manager: |
|---|------------------|
| Dredged Material Management Consulting - Dredging | James B. Runion |

| Assignee(s) (Consultants/Contractors): | Contract Period: |
|--|-----------------------------------|
| Gahagan & Bryant Associates, Inc. | September 1, - September 30, 2005 |

| Budget Line # | PIN # | Contract #: | Task #, Name: |
|---------------|----------|-------------|---------------------------|
| 1155 | 54100010 | 502820A | Task 2 Program Management |

| Project Budget (Total): | Revisions: | Revision #: |
|-------------------------|------------|-------------|
| \$179,105 | | |

| % Complete (Total): | % Expended (Total): |
|---------------------|---------------------|
| 25% | 24.03% |

| % Complete (Crnt FY): | Var/Balance: | % Expended (Crnt FY): | Var/Balance: |
|-----------------------|---------------|-----------------------|--------------------|
| 25% | Favorable/75% | 2.77% | Favorable / 97.23% |

Project Goal(s)

Management of studies and design projects of this size and complexity require both a global program management arm (State of Maryland) as well as a technical program management arm (lead managers assigned by MPA). The two must function together to control expenditures and confirm deliverables, while assuring technical scopes and issues are identified and addressed. The overall program management plan will track resource allocations and schedules on both a program and projects level. Program and projects management is necessary to monitor schedules and progress, estimate funding requirements, and initiate and review contracts for studies, design and construction. The success of the DMMP program for the State of Maryland will depend on these vital factors.

Project Objectives

GBA will provide qualified staff to assist the MPA with the following subtasks

- | | |
|--|--|
| 2.1) Program Objectives and Project Scopes | 2.5) Progress and Cost Updates |
| 2.2) Tracking Budgets | 2.6) Quarterly Program Status Reports |
| 2.3) Coordination & Project Execution | 2.7) Quarterly Review Meetings |
| 2.4) Project & Program Schedules | 2.8) Technical Program Management Meetings |

Project Status - Issues/Solutions (both required):

Cost data continues to be collected for the next quarterly report. Activity was relatively minor with 13 hours expended during the month. This was mainly coordination with other consultants and cost data collection.

| | |
|------------------------|------------------|
| <i>James B. Runion</i> | October 25, 2005 |
| (Project Manager) | (Date) |

Date: September 30, 2005

Project Status Report Form
prepared by

Gahagan & Bryant Associates, Inc.

| | |
|---|-------------------------|
| Project | Project Manager: |
| Dredged Material Management Consulting - Dredging | James B. Runion |

| | |
|--|-----------------------------------|
| Assignee(s) (Consultants/Contractors) | Contract Period: |
| Gahagan & Bryant Associates, Inc. | September 1, - September 30, 2005 |

| | | | |
|----------------------|---------------|--------------------|-----------------------------------|
| Budget Line # | PIN #: | Contract #: | Task #, Name: |
| 1155 | 54100010 | 502820A | Task 3 Masonville Feasibility/EIS |

| | | |
|--------------------------------|-------------------|--------------------|
| Project Budget (Total): | Revisions: | Revision #: |
| \$594,352 | | |

| | |
|----------------------------|----------------------------|
| % Complete (Total): | % Expended (Total): |
| 60% | 68.03% |

| | | | |
|-----------------------------|---------------------|-----------------------------|---------------------|
| % Complete (Cmt FY): | Var/Balance: | % Expended (Cmt FY): | Var/Balance: |
| 55% | Favorable/45% | 30.40% | Favorable / 69.60% |

Project Goal(s)

The MPA is continuing the work done by GBA-M&N Joint Venture (JV) on the combined feasibility study and EIS for three harbor sites. Task 3 describes GBA's continuing role in the study of the Masonville site.

Project Objectives

GBA will provide qualified staff to assist the MPA with the following subtasks

- | | |
|---|---|
| 3.1) Program Objectives and Project Scopes | 3.3) Permitting, Mitigation & Community Enhancements |
| 3.2) Tracking Budgets | 3.4) Project Schedule Baseline & Cost Estimates |
| a. Establish Preliminary Design | 3.5) Plan Formulation Alternatives Analysis |
| b. Development of Survey & Mapping Info | 3.6) Combined Feasibility / EIS Report |
| c. Identification of Construction Materials | 3.7) Hydro / Topographic Surveys & Probes |
| d. Design of Project Alternatives | 3.8) Geotechnical Field Data & Lab Testing |
| e. Develop Construction Procedures | |

Project Status - Issues/Solutions (both required):

Major Meetings: 9/1 Masonville Executive Mtg, 9/8 Design Mtg, 9/12 Derelict Vessels, 9/29 Masonville Executive Mtg. Also, Preparation Material hwas readied for BEWG mtg on 9/6 and Management Committee Mtg on 9/9. Major efforts and time during September were for DEIS section writing and development, Mitigation plans (adjustments and follow-ups), Community enhancement plan adjustments (education center relocation). Support was provided to EA for sediment analysis. Updated costs and schedules were performed and are ongoing.

| | |
|-----------------------|------------------|
| <i>James B Runion</i> | October 25, 2005 |
| (Project Manager) | (Date) |

Date: September 30, 2005

Project Status Report Form

prepared by

Gahagan & Bryant Associates, Inc.

| | |
|---|-------------------------|
| Project | Project Manager: |
| Dredged Material Management Consulting - Dredging | Scott Tracey |

| | |
|---|-----------------------------------|
| Assignee(s) (Consultants/Contractors): | Contract Period: |
| Gahagan & Bryant Associates, Inc. | September 1, - September 30, 2005 |

| | | | |
|----------------------|--------------|-------------------|-----------------------------------|
| Budget Line # | PIN # | Contract # | Task #, Name: |
| 1155 | 54100010 | 502820A | Task 4 Masonville Preconstruction |

| | | |
|--------------------------------|-------------------|--------------------|
| Project Budget (Total): | Revisions: | Revision #: |
| \$783,644 | | |

| | |
|----------------------------|----------------------------|
| % Complete (Total): | % Expended (Total): |
| 20% | 15.11% |

| | | | |
|------------------------------|---------------------|------------------------------|---------------------|
| % Complete (Cmnt FY): | Var/Balance: | % Expended (Cmnt FY): | Var/Balance: |
| 35% | Favorable/65% | 10.21% | Favorable / 89.79% |

Project Goal(s)

The PED is comprised of three broad stages: (1) finalization of design, (2) preparation of plans, specifications, and engineers cost estimates, and (3) preparation of the construction bidding documents and award. The following subtasks are provided to detail and describe the workload associated with the completion of the Masonville PED.

Project Objectives

GBA will provide qualified staff to assist the MPA with the following subtasks

- | | |
|--|--|
| 4.1) Project Management & Meeting Attendance | 4.5) Masonville Plans & Specs |
| 4.2) Preconstruction Engineering & Design Technical Reviews | 4.6) Geotechnical Design, Field Borings & Lab Testing Report (CONTINGENT) |
| 4.3) Site Operations Manual | 4.7) Community Enhancements |
| 4.4) Engineering Cost Estimates & Construction Schedule | 4.8) Masonville CDF |

Project Status - Issues/Solutions (both required):

Pre-dredging design continues as 60% plans and specifications are prepared. In an effort to reduce dredging for dike foundation, a plan to excavate a keyway under the central portion of the proposed dike has been completed. Preliminary design of the dredging limits has been revised to include two methods of measurement and payment. A conventional dredging template with 2' of allowable overdepth dredging will be used for the Cofferdam undercut and the stripping of the small East Borrow Area. A lightweight "bucket spec" will be established to control the dredging limits for the dike undercut and the stripping of the large West Borrow Area. The total preparatory dredging quantities for the project now stand at approximately 1.75 MCY.

| | |
|---|------------------|
|  | October 25, 2005 |
| (Project Manager) | (Date) |

Date: September 30, 2005

Project Status Report Form

prepared by

Gahagan & Bryant Associates, Inc.

| Project | Project Manager: |
|---|------------------|
| Dredged Material Management Consulting - Dredging | James B. Runion |

| Assignee(s) (Consultants/Contractors): | Contract Period: |
|--|-----------------------------------|
| Gahagan & Bryant Associates, Inc. | September 1, - September 30, 2005 |

| Budget Line # | PIN #: | Contract #: | Task #, Name: |
|---------------|----------|-------------|-------------------------------------|
| 1155 | 54100010 | 502820A | Task 5 Sparrows Pt. Feasibility/EIS |

| Project Budget (Total): | Revisions: | Revision #: |
|-------------------------|------------|-------------|
| \$538,496 | | |

| % Complete (Total): | % Expended (Total): |
|---------------------|---------------------|
| 25% | 18.66% |

| % Complete (Crnt FY): | Var/Balance: | % Expended (Crnt FY): | Var/Balance: |
|-----------------------|---------------|-----------------------|--------------------|
| 25% | Favorable/75% | 9.42% | Favorable / 90.58% |

Project Goal(s)

The MPA is continuing the work done by Gahagan & Bryant Associates, Inc., Moffatt & Nichol Engineers, Joint Venture (JV) on the combined feasibility study and EIS for three harbor sites.

Project Objectives

GBA will provide qualified staff to assist the MPA with the following subtasks

- | | |
|--|--|
| 5.1) Program Objectives and Project Scopes | 5.3) Permitting, Mitigation & Comm. Enhancements |
| 5.2) <u>Engineering Elements:</u> | 5.4) Project Schedule Baseline & Cost Estimates |
| a. Test Dike Planning & Design | 5.5) Plan Formulation Alternatives Analysis |
| b. Establishment of Preliminary Design | 5.6) Combined Feasibility / EIS Report |
| c. Development of Surveying & Mapping Info. & Feasibility Level Design Dwgs | 5.7) Hydro / Topographic Surveys & Probes |
| d. Identification of Construction Materials | 5.8) Geotechnical Field Data & Lab Testing |
| e. Design of Project Alternatives | |
| f. Development of Construction Procedures | |

Project Status - Issues/Solutions (both required):

Major efforts during September included updating unit prices for costs estimates, reviewing sand sources and availability, and working with the Geotechnical firm regarding the potential test dike. Community support efforts included revising plans for Sollers Point enhancements (Key Quay marina and wetlands).

| | |
|-----------------------|------------------|
| <i>James B Runion</i> | October 25, 2005 |
| (Project Manager) | (Date) |

Date: September 30, 2005

Project Status Report Form

prepared by

Gahagan & Bryant Associates, Inc.

| Project | Project Manager: |
|---|------------------|
| Dredged Material Management Consulting - Dredging | James B. Runion |

| Assignee(s) (Consultants/Contractors): | Contract Period: |
|--|-----------------------------------|
| Gahagan & Bryant Associates, Inc. | September 1, - September 30, 2005 |

| Budget Line # | PIN #: | Contract #: | Task #, Name: |
|---------------|----------|-------------|-------------------------------------|
| 1155 | 54100010 | 502820A | Task 6 BP Fairfield Feasibility/EIS |

| Project Budget (Total): | Revisions: | Revision #: |
|-------------------------|------------|-------------|
| \$542,222 | | |

| % Complete (Total): | % Expended (Total): |
|---------------------|---------------------|
| 50% | 11.63% |

| % Complete (Crnt FY): | Var/Balance: | % Expended (Crnt FY): | Var/Balance: |
|-----------------------|---------------|-----------------------|--------------------|
| 20% | Favorable/80% | 7.65% | Favorable / 92.35% |

Project Goal(s)

The MPA is continuing the work done by Gahagan & Bryant Associates, Inc., Moffatt & Nichol Joint Venture (JV) on the combined feasibility study and EIS for BP Fairfield..

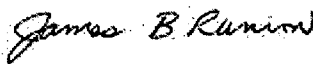
Project Objectives

GBA will provide qualified staff to assist the MPA with the following subtasks

- | | |
|--|---|
| 6.1) Project Management & Meeting Attendance | 6.3) Project Schedule Baseline & Cost Estimates |
| 6.2) <u>Engineering Elements:</u> | 6.4) Plan Formulation Alternatives Analysis |
| a. Establishment of Preliminary Design | 6.5) Combined Feasibility / EIS Report |
| b. Development of Surveying & Mapping | 6.6) Hydro / Topographic Surveys & Probes |
| c. Info. & Feasibility Level Design Dwgs | 6.7) Geotechnical Field Data & Lab Testing |
| Identification of Construction Materials | |
| d. Design of Project Alternatives | |
| e. Development of Construction Procedures | |

Project Status - Issues/Solutions (both required):

On-site sand analysis was reviewed based on preliminary geotechnical data from expanded site towards North. This expanded northern alignment was reviewed in regards to geotechnical data a swell. Hydrographic survey data for this area was analyzed. Also, presentation assistance was provided to Ron Burns.

| | |
|---|------------------|
|  | October 25, 2005 |
| (Project Manager) | (Date) |

Date: November 4, 2005

Project Status Report #7
prepared by
Moffatt & Nichol

Project:

Dredged Material Management Consulting – Coastal

Project Manager:

Peter W. Kotulak

Assignee(s) (Consultants/Contractors):

M&N, SAIC, Chesapeake Environmental Mgmt

Contract Period:

8/28/05 – 9/24/05

Budget Line #

PIN #:

Contract #:

502820C

Task #, Name:

3, Masonville Feasibility/
Environmental Impact

Project Budget (Total):

\$420,614.00

Revisions:

None

Revision #:

N/A

% Complete (Total):

75%

% Expended (Total):

73%

% Complete (Crnt FY):

75%

Var/Balance:

0%

% Expended (Crnt FY):

73%

Var/Balance:

0%

Project Goal(s):

Preparation of the Feasibility/Environmental Impact Statement (EIS) Document to obtain regulatory agency approval to construct the Masonville Dredged Material Containment Facility (DMCF).

Project Objectives:

Undertake a data collection program in the Patapsco River and Chesapeake Bay to provide information on baseline hydrodynamic conditions and for hydrodynamic model calibration and verification. Science Applications International Corporation (SAIC) will serve as subconsultant to provide, deploy, and monitor the instrumentation. Prepare mitigation options that will be required to compensate for filling in the water and covering existing sediments both onsite and offsite. Provide technical input into addressing the concerns of the regulatory agencies in regard to obtaining the necessary environmental permits. Provide engineering support for community enhancement items not addressed through mitigation process. Chesapeake Environmental Management will serve as subconsultant for this subtask. Perform hydrodynamic, salinity, residence time, and sedimentation modeling to evaluate impacts of project on surrounding environment. The results of all the modeling studies will be presented in a Hydrodynamic Numerical Modeling Report. Pertinent findings from the hydrodynamic, salinity, residence time, and sedimentation modeling will be incorporated in the Feasibility/EIS.

Project Status - Issues/Solutions (both required):

Continued work and studies for the Masonville DMCF. Continued work on the Draft Environmental Impact Statement (EIS). Continued data collection of Patapsco River currents. Participated in developing mitigation plans and attended mitigation team meetings to complete project impacts inventory, prioritize mitigation options. Attended Bay Enhancement Working Group (BEWG) meeting to provide input into mitigation process. Participated in field visits to Masonville Cove for mitigation and community enhancement strategies. Continued work on hydrodynamic modeling, continued salinity and sedimentation modeling using both regional and local models.

(Project Manager)

November 15, 2005

(Date)

Date: November 4, 2005

Project Status Report #7
prepared by
Moffatt & Nichol

Project:
Dredged Material Management Consulting – Coastal

Project Manager:
Peter W. Kotulak

Assignee(s) (Consultants/Contractors):
M&N, Chesapeake Environmental Mgmt

Contract Period:
8/28/05 – 9/24/05

Budget Line # PIN #:

Contract #:
502820C

Task #, Name:
4, Masonville
Preconstruction
Engineering and Design

Project Budget (Total):
\$502,221.80

Revisions:
None

Revision #:
N/A

% Complete (Total):
15%

% Expended (Total):
13.7%

% Complete (Crnt FY): Var/Balance:
15% 0%

% Expended (Crnt FY): Var/Balance:
13.7% 0%

Project Goal(s):

Preparation of the Final Design and Contract Documents for construction of the Masonville Dredged Material Containment Facility (DMCF), Community Enhancements and Mitigation Projects.

Project Objectives:

Prepare Basis of Design for coastal protection, retention structures, spillways, barge unloading facilities and community enhancement/mitigation projects. Provide final engineering design and contract documents including construction drawings, specifications and cost estimates. Prepare submittals at 30, 90 and 100 percent levels of completion. Chesapeake Environmental Management will serve as subconsultant for this subtask.

Project Status - Issues/Solutions (both required):

Continued work and studies for the Masonville DMCF, primarily focusing on the predredging component of the project, geotechnical issues as regards dike foundation, borrow material and dike construction, and issues associated with Wet Basin filling, cleanup and removal of derelict vessels and sunken wrecks, water main relocation and storm drain relocation. Attended design meetings with project team to discuss project planning and development. Attended accelerated feasibility and design meetings with Harbor Development and Engineering to discuss project status and coordinate DMCF project with MPA Engineering Capital projects.

(Project Manager)

November 15, 2005
(Date)

Project Status - Issues/Solutions (both required):

Continued studies of community enhancement and mitigation options. Continued studies for construction of test dike.

(Project Manager)

November 15, 2005
(Date)

Date: November 4, 2005

Project Status Report #7
prepared by
Moffatt & Nichol

Project:

Dredged Material Management Consulting – Coastal

Project Manager:

Peter W. Kotulak

Assignee(s) (Consultants/Contractors):

M&N, Chesapeake Env. Mgmt., Ecologix

Contract Period:

8/28/05 – 9/24/05

Budget Line #

PIN #:

Contract #:

502820C

Task #, Name:

6, BP-Fairfield DMCF
Feasibility/
Environmental Impact

Project Budget (Total):

\$210,664.00

Revisions:

None

Revision #:

N/A

% Complete (Total):

3%

% Expended (Total):

2.9%

% Complete (Crnt FY):

3%

Var/Balance:

0%

% Expended (Crnt FY):

2.9%

Var/Balance:

0%

Project Goal(s):

Preparation of the Feasibility/Environmental Impact Statement Document to obtain regulatory agency approval to construct the BP-Fairfield Dredged Material Containment Facility (DMCF).

Project Objectives:

Refine the coastal protection designs for the alternate dike alignments that are still under consideration for the DMCF and document results in a Coastal Engineering Report. Collect additional data, as required, to supplement the data collection effort outlined in Subtask 3.2. These data will include current velocity/direction, suspended sediments, salinity, and temperature. Prepare mitigation options that will be required to compensate for filling in the water and covering existing sediments both onsite and offsite. Provide technical input into addressing the concerns of the regulatory agencies in regard to obtaining the necessary environmental permits. Provide engineering support for community enhancement items not addressed through mitigation process. Chesapeake Environmental and Ecologix will serve as subconsultants for this subtask. Perform hydrodynamic, salinity, residence time, and sedimentation modeling to evaluate impacts of project on surrounding environment. The results of all the modeling studies will be presented in a Hydrodynamic Numerical Modeling Report. Pertinent findings from the hydrodynamic, salinity, residence time, and sedimentation modeling will be incorporated in the Feasibility/EIS. Additional subsurface investigations are required to refine alignments, verify soil conditions, and define quantities. These investigations will consist of borings, probes, cone penetration tests, vane shear tests, and laboratory tests. Provide input relative to formulation of the subsurface investigation program, review of the Geotechnical Report, and implementation of recommendations on dike construction and borrow sources.

Project Status - Issues/Solutions (both required):

Continued work on the studies for the BP-Fairfield DMCF. Attended design meetings with the project team to discuss overall project status.

(Project Manager)

November 15, 2005

(Date)

Date: November 4, 2005

Project Status Report #7
prepared by
Moffatt & Nichol

Project:

Dredged Material Management Consulting – Coastal

Project Manager:

Peter W. Kotulak

Assignee(s) (Consultants/Contractors):

M&N, Biohabitats

Contract Period:

8/28/05 – 9/24/05

Budget Line #

PIN #:

Contract #:

502820C

Task #, Name:

7, Poplar Island
Expansion – GRR
Evaluation

Project Budget (Total):

\$209,086.00

Revisions:

None

Revision #:

N/A

% Complete (Total):

20%

% Expended (Total):

20%

% Complete (Crnt FY):

20%

Var/Balance:

0%

% Expended (Crnt FY):

20%

Var/Balance:

0%

Project Goal(s):to

Preparation of a General Reevaluation Review (GRR) for the expansion of Poplar Island to obtain funding authorization through a Water Resources Development Act (WRDA).

Project Objectives:

Review the GRR as regards concepts, alternatives, alignments, and analyses for the Poplar Island Expansion (PIE) currently being performed by CENAB, focusing on dike sections, coastal protection, and impacts on tidal hydrodynamics, sedimentation, morphological change, wave refraction/diffraction and wave energy distribution. Provide input that will be used to develop plans for placement of dredged material within the expansion area and creation of tidal wetlands. Perform hydrodynamic, salinity, residence time, and sedimentation modeling to evaluate impacts of project on surrounding environment. The results of all the modeling studies will be presented in a Hydrodynamic Numerical Modeling Report. Using the model, evaluate morphological changes in the vicinity of the project and assess the potential for long-term accumulation of sediments in the area. Model and evaluate wave refraction/diffraction and wave energy distribution differences for existing and with-project conditions. The results of all the modeling studies will be presented in a Hydrodynamic Numerical Modeling Report. Pertinent findings from the hydrodynamic, salinity, residence time, and sedimentation modeling will be incorporated in the GRR.

Project Status - Issues/Solutions (both required):

Continued review of GRR received from CENAB. Performed coastal and numerical modeling studies to evaluate expansion plan. Provided comments on draft report to CENAB. Attended meetings with project team to develop designs to improve project value.

(Project Manager)

November 15, 2005

(Date)

Date: October 14, 2005
For Period: 9/01/05 - 9/30/05

Maryland Port Administration
Project Status Report Form
prepared by
Maryland Environmental Service

| | | | |
|---|---------------|--|--------------------------|
| Project Name: EPATS TASK 2 – Technical Support | | Project Manager: MPA – Dave Bibo MES – Tammy Banta | |
| Assignee(s) (Consultants/Contractors): MES General Physics | | Contract Period: January 1999 – June 2007 Task Term: May 1999 – June 2007 Reporting Period: August 2005 | |
| Budget Line # | PIN #: | Contract #: | Task #, Name: |
| 1085 | 54000010 | 500912 | 0302 – Technical Support |

| | | |
|--------------------------------|------------------------|--------------------|
| Project Budget (Total): | Revisions: | Revision #: |
| \$912,132 | \$ 100,000 added 8/00 | 1 |
| | \$ 100,000 added 6/01 | 2 |
| | \$ 100,000 added 10/01 | 3 |
| | \$ 100,000 added 04/02 | 4 |
| | \$ 200,000 added 09/02 | 5 |
| | \$16,000 added 03/03 | 6 |
| | \$200,000 added 06/05 | 7 |

| | | | |
|---|----------------------------|--------------------------------|---------------------|
| % Complete (Total): | % Expended (Total): | | |
| Ongoing – tasks assigned as needed by MPA | 79.8% | | |
| % Complete (Crnt FY): | Var/Balance: | % Expended (Crnt FY06): | Var/Balance: |
| | | \$46,231.77 | |

Project Goal(s): To provide support to MPA for dredged material planning.

Project Objectives: To meet the general technical support needs of MPA for DMMP planning, innovative use projects, meeting facilitation, and project management.

Project Status - Issues/Solutions:

Report Period: September 1 through September 30, 2005

September 2005:

- MES continued support to the DMMP process by maintaining the BEWG list-serve and facilitating the September 6th BEWG meeting. MES prepared and distributed a draft meeting summary on September 29th and coordinated with Moffatt & Nichol Engineering to clarify text regarding their Masonville hydrodynamic modeling presentation. Preparations began for the October 4th BEWG meeting.
- MES managed the General Physics contract for State DMMP meeting summaries. MES coordinated with MPA to incorporate edits to the Management Committee meeting summary.
- MES continued to manage the MPA/MES/MGS Coastal Geology Services IGA for MPA.
- MES performed project management duties related to record keeping, review, processing and recording of invoices and production of the status report for the month of August.
- MES coordinated with MPA and began development of a new MOU with MPA to replace the existing EPATS agreement.
- MES submitted a request for subcontractor authorization for Tasks B-E for of the Public Involvement and Community Outreach to Environmental Projects & State DMMP Support RFP on September 1, 2005 to MPA. MPA authorization was received on September 6, 2005 for Tasks B-E.
- MES prepared a contract with Ecologix Group to cover Tasks B-E of the RFP. MES submitted a Board Item to award the contract to Ecologix Group. The Board Item was approved and the contract was sent to Ecologix on September 29, 2005. MES began preparation of a letter amendment to the Ecologix contract to add Task A to the contract.
- MES coordinated with Ecologix Group and MPA on proposal and scope development for Tasks A-E of the RFP and to determine what contract mechanism would be used to cover the tasks.
- MES staff attended an internal proposal development meeting on the Masonville construction project on September 6, 2005.
- MES began work on the Masonville services proposal.
- MES reviewed and edited Task 58 proposal on Cox Creek Innovative use. MES requested a cost estimate from GBA to cover additional tasks under this proposal. MPA contacted MES to put this proposal on hold. This task will be incorporated under the new MOU between MES and MPA that supercedes the EPATS agreement.
- MES prepared a task reallocation email and sent it to MPA on September 15, 2005 regarding the change in MES managers on MPA projects. MES sent a similar email to MES subcontractors on September 21, 2005.
- MES prepared for and attended a meeting on September 23, 2005 with MPA to discuss the potential dissolution of MGS and its impacts on current and future MPA workload.
- MES received approval and finalized Task 61 – DMCF Water Quality Evaluations proposal.
- MES finalized contracting for Task 57— Port of Baltimore Air Emissions Regulatory Compliance Technical Support task.
- MES continued work on developing the Task 58—Cox Creek Innovative Use scope of work, proposal, and revised budget. MPA added additional tasks that required additional scoping and costing. MES requested a proposal from a sub-contractor and then MPA requested

that MES put the proposal on hold. The proposal is being held for submittal under the new MOU with MPA.

Future Work Anticipated in October 2005:

- MES will continue to support the State DMMP process. MES will coordinate with MPA on items to be discussed at the next BEWG meeting scheduled for October 4. MES will facilitate the meeting, develop an agenda, and prepare a sign in sheet and meeting summary for this meeting.
- MES will continue to develop the Cox Creek Innovative Use scope of work, proposal, and budget that will be submitted under the new MOU with MPA for EPATS type services.

Invoiced for September: \$13,203.88
Invoiced to Date up to September 30, 2005: \$728,118.55
Remaining as of September 30, 2005: \$184,013.45

Sparrows Point

EPATS TASK 31 MONTHLY PROGRESS REPORT

Project: Sparrows Point
MPA Project Manager: Steve Storms
Reporting Period: September 2005
MPA Contract No.: 500912
MPA PIN: 54000010
MDOT Budget Line #: 1085
Contract Amount for Task 31: \$365,833
Contract Term: 01/01/99 – 6/30/07
Task Term: 07/24/02 – 12/31/05

Subtask 31.8 Task Planning, Technical, Environmental and Administrative Services (MES)

This report documents status of activities related to the Sparrows Point and Masonville engineering and technical support. This subtask was authorized in February 2005 to provide conceptual level planning, dredging engineering design, and cost estimates for the Sparrows Point and Masonville Terminal concepts.

Task Status

During the month of September, MES provided project and task management services including preparation and submittal of the monthly status report to MPA and review of GBA's Subcontractor monthly progress report. The September invoice to MPA in the amount of \$137.44 includes only MES task management costs. MES did not receive an invoice from the Subcontractor this month. No invoice was submitted to MES by GBA did not receive a status report or invoice from GBA for this month. Future forecasted work for this project includes terminal concepts for Sparrows Point and supporting geotechnical test and research. Below is a Subtask status update for the month of September for the Subtasks with activity provided by GBA:

Subtask 31.5 – Project and Task Management

Preparation of status report

Subtask 31.6 – Sparrows Terminal Concepts

Moffatt & Nichol reviewed berthing options with various alignments of dikes for the DMCF. Mittel operations personnel have been unavailable. It is anticipated a meeting will be held with them in October.

Total Amount of September Invoice to MPA:

Task 31 - \$137.44

Total Amount Invoiced to MPA to date as of this Invoice:

Task 31 - \$260,114.99

Contract Amount Remaining as of September 30, 2005 Invoice:

Task 31 - \$ 105,718.01

Masonville Engineering and Technical Support

EPATS TASK 37 MONTHLY PROGRESS REPORT

Project: Masonville Engineering and Technical Support

MPA Project Manager: Steve Storms

Reporting Period: September 2005

MPA Contract No.: 500912

MPA PIN: 54000010

MDOT Budget Line #: 1085

Contract Amount for Task 37: \$451,734

Contract Term: 01/01/99 – 06/30/07

Task Term: 07/15/03 – 06/30/06

Subtask 37.13 Task Planning, Technical, Environmental and Administrative Services (MES)

This report documents the status of activities related to the engineering and technical services for the expansion of the Masonville Dredged Material Containment Facility (DMCF). These services include: development of a Cost/Benefit analysis for filling a 5 acre wet basin; evaluation of alternative DMCF retention structures near pier 3; evaluation of the 48" water main line relocation; project management for the development of the Masonville and Fairfield Terminals; and technical support on field engineering investigations and surveys.

Task Status

During the month of September, MES provided project and task management services including the preparation and submittal of monthly status report to MPA and review and process of subcontractor invoices and progress submittals. The September Invoice to MPA in the amount of \$30,617.59 includes invoices from M&N dated July and August 2005 in the amounts of \$17,141.08 and \$13,132.63, respectively. These invoices cover work that occurred in June and July and include M&N services of completing conceptual design and cost estimates for the four alternative DMCF retention structures, presenting conceptual information to MPA at the monthly progress meeting, meeting with RK&K to discuss the 48" water line relocation, working on the conceptual designs for the 48" water line relocation, preparing for the Masonville Phase 2 Storm Drain Relocation, providing design consultant oversight and attending monthly MPA meetings.

MES has received and processed M&N's September invoice for the services provided during the month of August. This invoice in the amount of \$10,251.32 will be included in the October invoice to MPA. The charges included: working on the conceptual designs of the 48" water line relocation, design consultant oversight, and MPA monthly meeting attendance. Below is a Subtask status update for September provided by M&N:

Subtask 08: Wet Basin Cost/Benefit Analysis

Received review comments from MPA on Draft Report.

Subtask 09: Alternate DMCF Retention Structure

Prepared Alternate 4B cost estimate and submitted it to MPA for review.

Subtask 10: 48" Water Line Relocation

Coordinating design effort with RK&K.

Subtask 11: Masonville DMCF Program Management

Provided coordination and oversight of several design consultants. Conducted monthly Masonville status meeting with MPA.

Subtask 12: Masonville Phase 2 Storm Drain Relocation

Preparing 30% design submittal.

Total Amount of September Invoice to MPA:

Task 37 – \$30,617.59

Total Amount Invoiced to MPA to date as of this Invoice:

Task 37 - \$ 286,053.91

Contract Amount Remaining as of September 30, 2005 Invoice:

Task 37 - \$165,680.09

Federal Dredged Material Management Plan (DMMP) Support Monthly Progress Report
(Task 47)

Project: Federal Dredged Material Management Plan (DMMP) Support
Period: September 2005
MPA Contract No.: 500912
MPA PIN: 54000010
MDOT Line Number: 1085
MPA Project Manager: Steve Storms
Contract Amount: \$46,181.07

Subtask 47.1: Task Planning, Technical, Environmental and Administrative Services (MES)

- MES prepared and submitted the monthly status report.

Future Work Anticipated in October:

- MES will provide Federal DMMP technical support to the MPA as needed.

Subtask 47.2: Subcontracted Services for Technical Support for the Federal Dredged Material Management Plan Development (EA Engineering, Science, & Technology, Inc. (EA))

- EA reported no activity during the month of August.

Future Work Anticipated in October:

- EA will provide Federal DMMP technical support to the MPA as needed and requested by MES.

Invoiced for September 2005: \$120.71

Total Amount Invoiced to MPA as of September 30, 2005 Invoice:
Task 47 – \$35,123.04

Contract Amount Remaining as of September 30, 2005 Invoice:
Task 47 – \$11,057.83

EPATS TASK 51 MONTHLY PROGRESS REPORT

Project: Underwater Archeological Surveys and Pipeline Identification in the Baltimore Harbor

MPA Project Manager: Steve Storms

Reporting Period: September 2005

MPA Contract No.: 500912

MPA PIN: 54000010

MDOT Budget Line No.: 1085

Contract Amount for Task 51: \$144,784.91

Contract Term: 01/01/99 – 6/30/07

Task Term: 09/01/04 – 6/30/06

Subtask 51.1 Task Planning, Technical, Environmental and Administrative Services (MES)

This report documents status of activities related to the underwater archeological surveys and pipeline identification in the Baltimore Harbor. This information is being collected to assist MPA in planning future Harbor placement options. This progress report provides updates for the previous month, the current month, and forecasts future anticipated work and meetings.

August 2005:

During the month of August, MES did not receive an invoice or status report from Goodwin. MES received additional comments from the MPA on the Draft Underwater Archeological Survey of the Harbor on August 4, 2005 and forwarded those comments to Goodwin.

September 2005

During the month of September, MES did not receive an invoice or status report from Goodwin. The Final Underwater Archeological Survey of the Harbor and Pipeline and Cable Identification reports were received from Goodwin on September 29, 2005. The reports are currently under review by MES staff.

In the month of October, MES anticipates that any edits or comments will be incorporated into the final report and the reports will be distributed to MPA and other study team members.

Total Amount Invoiced to MPA in September 31, 2005 Invoice:

Task 51 -\$ 666.88

Total Amount Invoiced to MPA to date as of this Invoice:

Task 51 -\$ 52,764.17

Contract Amount Remaining as of September 31, 2005 Invoice:

Task 51 - \$ 92,020.83

Grant Assistance

EPATS TASK 53 MONTHLY PROGRESS REPORT

Project: Grant Assistance
MPA Project Manager: Steve Storms
Reporting Period: September 2005
MPA Contract No.: 500912
MPA PIN: 54000010
MDOT Budget Line No.: 1085
Contract Amount for Task 53: \$49,678.80

Subtask 53.1 Task Planning, Technical, Environmental and Administrative Services (MES)

This report documents status of activities related to the grant assistance performed by MES to identify and apply for funding sources for community enhancement projects associated with dredged material placement projects, on behalf of the Maryland Port Administration (MPA). This progress report provides updates of the previous month, the current month, and forecasts future anticipated work and meetings.

August 2005: During the month of August, MES staff continued research to identify potential funding sources, created databases tabulating funding sources, contacted funding institutions, and continued work with Ecologix and the Brooklyn and Curtis Bay Coalition (BCBC) on the Program Coordinator grant with the Abell Foundation.

MES worked with MPA and BCBC in completing the application package to the Abell Foundation to fund a staff level position to work with the community groups and MPA on the Masonville Community Enhancement projects. The application package was hand delivered to Abell Foundation on August 29, 2005. Discussions with the Abell Foundation indicated that they wanted a letter describing the Masonville dredged material project. MES drafted the letter and submitted it to MPA for their delivery to the Abell Foundation.

September 2005: MES staff continued research to identify potential funding sources and contacted the funding institutions for more information. On September 1st, MES forwarded MPA some additional information regarding the Community-Based Marine Debris Prevention and Removal Project Grant. On September 7th, MPA informed MES that they would like to hold off on recommending further action of this particular grant because MPA has marine debris removal as part of the draft mitigation package for which they want to get mitigation credit and therefore needs to pay for it. MES also continues to research another grant to pay for the other half of the Program Coordinator staff position and will provide a list of grant providers that will accept a BCBC proposal soon and those that would prefer them in 2006. MES is also researching a Department of Commerce EDA grant to remove old infrastructure--to make it ready for recreational improvements for the Masonville DMCF.

Total Amount Invoiced to MPA in September Invoice:
Task 53 - \$1,628.75

Total Amount Invoiced to MPA to date as of this Invoice:
Task 53 - \$8,792.38

Contract Amount Remaining as of September 30, 2005 Invoice:
Task 53 - \$40,866.42

Subtasks 3.1 – 3.8 (James Island):

Subtask 3.1 - Task Planning, Technical, Environmental and Administrative Services (MES)

- MES completed the site visit summaries and sent to MPA in mid-September.

Future Work Anticipated in October:

- No work is anticipated at this time.

Subtasks 3.2-3.7 Subcontracted Services for Feasibility-Level Environmental Conditions Studies for a Potential Island Restoration Project at James Island – Third and Fourth Seasons of Sampling (Harms)

- Task is completed. No further activity to report.

Subtask 3.8 Subcontracted Services for Pop Netting at James Island (AMA)

- Task is completed. No further activity to report.

Subtasks 3.9 – 3.16 (Barren Island):

Subtask 3.9 Task Planning, Technical, Environmental and Administrative Services (MES)

- Task is completed. No further activity to report.

Subtask 3.10 – 3.15: Subcontracted Services for Feasibility-Level Environmental Conditions Studies for a Potential Island Restoration Project at Barren Island – Third and Fourth Seasons of Sampling (BBL)

- Task is completed. No further activity to report.

Subtask 3.16: Subcontracted Services for Pop Netting at Barren Island (AMA)

- Task is completed. No further activity to report.

Task 4 – Cultural Studies (MES, PCI)

Subtask 4.1 & 4.2 - Contract and Project Management (MES) & Subcontractor's Scope of Services (PCI)

- Task is completed. No further activity to report.

Task 5 – Economic Studies (MES/UMCES)

- UMCES attended the PDT meeting on September 6th.
- UMCES reviewed preliminary hydrodynamic modeling to assess usefulness for evaluating property value changes with and without project.
- UMCES continued developing 3-D analysis for use in future public presentations.
- UMCES submitted a status report to MES on September 7th.

Future Work Anticipated in September:

- UMCES and MES will work on any revisions needed to the EIS following external review and provide materials for any public outreach activities.

Task 8- EIS (MES)

- MES continued to coordinate and support the Corps on getting the files in a workable format.

Future Work Anticipated in October:

- MES will assist as needed with revising any text of the EIS as requested by the Corps.

- MES will coordinate with the Corps as to when the draft EIS should be submitted to Corps Headquarters.
- When the draft report is ready to go to Headquarters, MES will coordinate with an outside printing company to receive the appropriate number of copies of the report.
- MES will coordinate with the Corps to get the reports to Headquarters.

Task 9- Mid-Bay Island and Other Related Dredged Material Management Plan (DMMP) Options Communications and Public Outreach Plan (MES/AMA)

- MES received a monthly status report from AMA on September 7th.

Future Work Anticipated in October:

- No activity anticipated at this time.

Task 10 - Coastal Monitoring and Modeling Support at James Island (MES/BBL)

- BBL attended the PDT meeting on September 6th.
- BBL developed a coastal monitoring and modeling framework outline and distributed it to AMA.
- BBL processed bathymetric drawings for the Honga River from USACE Baltimore District. These were used to determine preliminary shoaling rates utilizing Terra Model software.
- BBL developed grids utilizing wind and wave files provided by ERDC.
- BBL started running ADCIRC and M2D models for the three alternatives developed by the team.
- On September 8th, BBL submitted the monthly status report to MES.
- On September 12th, MES submitted final highlights/action items from the July 27th and August 11th meetings to the team.
- BBL submitted a request for a task increase to MES on September 29th.

Future Work Anticipated in October:

- MES will gain approval from MPA and the Corps for the requested task increase. MES will then process the paperwork for the task increase.
- MES/BBL will attend the modeling meeting on October 13th at MES. MES will record highlights/action items.

Task 11 - Coastal Monitoring and Modeling Support at Barren Island (MES/AMA)

- AMA coordinated with staff from MES, MPA and the Baltimore District Corps of Engineers.
- AMA continued data write-ups.
- AMA continued to work on the locations of the channels/historical shoaling rates.
- AMA continued with the alternative refinements.
- AMA initiated preliminary modeling work and new alternative modeling is pending receipt of the ERDC modeling results.
- AMA reviewed the available preliminary results from the models run by ERDC.
- AMA completed the preliminary modeling exercises.
- On September 12th, MES submitted final highlights/action items from the July 27th and August 11th meetings to the team.

Future Work Anticipated in October:

- MES /AMA will attend the modeling meeting on October 13th. MES will record highlights/action items.

Task 12 - Process Numerical Modeling (MES/ERDC)

- On September 1st, MES received a monthly status report from ERDC.
- ERDC completed and reviewed STWAVE simulations for Barren Island Alternatives 5 and 6.

- ERDC completed hydrodynamic model runs for all island alternatives.
- ERDC completed sediment transport runs for all island alternatives.
- ERDC completed a 2-week normal tide run (1-15 January 2005) for the existing conditions.
- ERDC forwarded hydrodynamic model run results to AMA and BBL, and supported questions on their modeling.
- On September 12th, MES submitted final highlights/action items from the July 27th and August 11th meetings to the team.

Future Work Anticipated in October:

- ERDC will compile results and prepare for the October 13th team meeting.
- ERDC will begin writing the final draft report and address questions raised at the team meeting.
- ERDC will provide MES with an invoice for the remaining work.
- ERDC and MES will participate in the October 13th full-team meeting at MES. MES will record highlights/action items.

Invoiced for September 2005: \$86,137.82

Total Amount Invoiced as of September 30, 2005: \$1,495,083.84

Contract Amount Remaining as of September 30, 2005: \$782,377.93

Task 8 (EIS):

55% Complete (Total through Crnt. FY 06)

45% Var./Balance (through Crnt. FY06)

HARBOR TECHNICAL SUPPORT MONTHLY PROGRESS REPORT

Project: Harbor Technical Support
MPA Contract No.: 500912
MPA Project Managers: Steve Storms
Contract Amount: \$ 627,592 (includes \$70k in contingent funds)
Contract Term: June 2005 – June 2006

Period: September 2005
MPA PIN: 54000010
MDOT Line No: 1085

Subtask 56.1- Task Planning, Technical, Environmental and Administrative Services (MES)

- MES provided continued support on formulating the Masonville mitigation options and working with MPA contractors on the feasibility studies and the EIS.
- On September 1st, MES submitted the draft existing conditions section on cultural resources to the EA ftp site.
- On September 1st, MES was notified by UMCES that their draft existing conditions section of the EIS was posted to the EA ftp site.
- On September 9th, MES reviewed and provided comments to M&N on the draft August 25th meeting minutes.
- On September 15th, MES finished drafting the cultural impacts section of the EIS and submitted it to EA.
- MES coordinated with EA and UMCES regarding the status of the EIS submittals and support needs.
- MES reviewed and commented upon the August 23rd DMDE/MPA Masonville Mitigation Meeting notes.
- MES staff attended the JV meeting on September 20th.
- MES received approval from MPA to send the table identifying permits required for the Masonville project to MDE for review and input. MES submitted this table to MDE on September 20th.
- MES coordinated with UMCES in determining the status of the IGA submitted to them for signature August 17th. This IGA was executed September 12th.
- MES received UMCES signed agreement.

Future Work Anticipated in October:

- MES will attend the JV meeting on October 18th and the Harbor Team Meeting on October 20th.
- MES anticipates feedback from MDE on the permitting table.

Subtask 56.2- Subcontracted Services (UMCES)

- On September 1st, UMCES submitted the Masonville EIS Existing Conditions sections.
- On September 15th, UMCES submitted the Masonville Impacts sections.
- UMCES participated in the September 20th JV meeting.
- UMCES received the IGA from MES for signature.
- UMCES signed and returned the IGA to MES.

Future Work Anticipated in October:

- UMCES will submit a monthly status report in early October.
- UMCES will fill in the remaining blanks in the existing conditions and impacts sections.
- UMCES will provide support to EA as they compile and reconcile the draft EIS.
- On October 18th, UMCES will participate in the JV meeting.
- On October 20th, UMCES will participate in the Harbor Team Meeting.

Invoiced for September 2005: \$8,154.20
Total Amount Invoiced as of September 30, 2005: \$18,291.49
Contract Amount Remaining as of September 30, 2005: \$609,300.51

Date: August 30, 2005

Project Status Report Form
prepared by
Harbor Development

Project

Dredged Material Management Consulting - Dredging

Project Manager:

Stephen Storms

Assignee(s) (Consultants/Contractors):

Gahagan & Bryant Associates, Inc.

Contract Period:

August 2005

Budget Line #

1285

PIN #:

54100010

Contract #:

502820A

Task #, Name:

Task 1 DMMP Technical Services

Project Budget (Total):

\$443,106

Revisions:

Revision #:

% Complete (Total):

25%

% Expended (Total):

22.79%

% Complete (Crnt FY):

22%

Var/Balance:

Favorable/78%

% Expended (Crnt FY):

21.58%

Var/Balance:

Favorable/78.42%

Project Goal(s)

Technical services supporting the DMMP are varied and are of an immediate and timely nature. The services are determined by MPA as on-going plans evolve and as issues develop within the local and state communities. Services to be provided require the intimate working knowledge of both the CENAB and the MPA Dredged Material Management Program needs; the Chesapeake Bay local, state and federal agency authorization processes; and the Corps of Engineers Civil Works Construction Programs.

Project Objectives:

GBA will provide qualified staff to assist the MPA with the following subtasks

- | | |
|--|---|
| 1.1) DMMP Study plans and work plans | 1.5) Evaluate New Options and Alternatives |
| 1.2) DMMP Timelines and Flow Diagrams | 1.6) Site Visits & Data Collection |
| 1.3) DMMP Cost Estimates | 1.7) DMMP Meetings |
| 1.4) DMMP Documents and Presentations | 1.8) Memorandum Reports |

Project Status - Issues/Solutions (both required):

GBA prepared a draft memo to be sent to the Corps regarding state and federal coordination on Civil Works projects. GBA further developed a cost estimate for the use of the North Locust Point Terminal as a DMCF. Ecologix provided general DMMP outreach and support to the MPA regarding the following: Harbor issues, Mid-Bay status, PIES, and Masonville mitigation.



(Project Manager)

October 25, 2005

(Date)

Project Status Report Form
prepared by
Harbor Development

ProjectDredged Material Management Consulting - Dredging**Project Manager:**Stephen Storms**Assignee(s) (Consultants/Contractors):**Gahagan & Bryant Associates, Inc.**Contract Period:**August 2005**Budget Line #**1285**PIN #:**54100010**Contract #:**502820A**Task #, Name:**Task 2 Program
Management**Project Budget (Total):**\$179,105**Revisions:****Revision #:****% Complete (Total):**24%**% Expended (Total):**21.93%**% Complete (Crnt FY):**5%**Var/Balance:**Favorable/95%**% Expended
(Crnt FY):**2.38%**Var/Balance:**Favorable/97.62%**Project Goal(s)**

Management of studies and design projects of this size and complexity require both a global program management arm (State of Maryland) as well as a technical program management arm (lead managers assigned by MPA). The two must function together to control expenditures and confirm deliverables, while assuring technical scopes and issues are identified and addressed. The overall program management plan will track resource allocations and schedules on both a program and projects level. Program and projects management is necessary to monitor schedules and progress, estimate funding requirements, and initiate and review contracts for studies, design and construction. The success of the DMMP program for the State of Maryland will depend on these vital factors.

Project Objectives:

GBA will provide qualified staff to assist the MPA with the following subtasks

- | | |
|---|---|
| 2.1) Program Objectives and Project Scopes | 2.5) Progress and Cost Updates |
| 2.2) Tracking Budgets | 2.6) Quarterly Program Status Reports |
| 2.3) Coordination & Project Execution | 2.7) Quarterly Review Meetings |
| 2.4) Project & Program Schedules | 2.8) Technical Program Management Meetings |

Project Status - Issues/Solutions (both required):

Cost data continues to be collected for the next quarterly report. Masonville project schedules (design , permitting and construction) and the DMMP program schedule have been updated. The Masonville schedule is being reviewed in regards to revised activities for the infrastructure projects.

 (Project Manager)

 October 25, 2005
 (Date)

Project Status Report Form
prepared by
Harbor Development

ProjectDredged Material Management Consulting - Dredging**Project Manager:**Stephen Storms**Assignee(s) (Consultants/Contractors):**Gahagan & Bryant Associates, Inc.**Contract Period:**August 2005**Budget Line #**1285**PIN #:**54100010**Contract #:**502820A**Task #, Name:**Task 3 Masonville
Feasibility/EIS**Project Budget (Total):**\$594,352**Revisions:****Revision #:****% Complete (Total):**60%**% Expended (Total):**56.30%**% Complete (Crnt FY):**55%**Var/Balance:**Favorable/45%**% Expended
(Crnt FY):**55.50%**Var/Balance:**Favorable/44.50%**Project Goal(s)**

The MPA is continuing the work done by GBA-M&N Joint Venture (JV) on the combined feasibility study and EIS for three harbor sites. Task 3 describes GBA's continuing role in the study of the Masonville site.

Project Objectives:

GBA will provide qualified staff to assist the MPA with the following subtasks

3.1) Project Management**3.2) Engineering Elements**

- a. Establish Preliminary Design
- b. Development of Surveying & Mapping Info
- c. Identification of Construction Materials
- d. Design of Project Alternatives
- e. Develop Construction Procedures

**3.3) Permitting, Mitigation & Community
Enhancements**

- 3.4)** Project Schedule Baseline & Cost Estimates
- 3.5)** Plan Formulation Alternatives Analysis
- 3.6)** Combined Feasibility/EIS Report
- 3.7)** Hydro /Topographic Surveys & Probes
- 3.8)** Geotechnical Field Data & Lab Testing

Project Status - Issues/Solutions

Major Meetings: Aug.23 Design Meeting with CENAB; Aug.23 MDE Meeting re: mitigation; Aug 31 JE Meeting. In addition, status of 478" waterline relocation was presented by RKK, Environmental boring lab tests results were received (positive). Mitigation plan was completed for presentation to others (MDE and September BEWG mtg). Derelict vessel support has been provided as MPA addresses this issue with agencies. Initial report writing efforts for the EIS document have begun.

 (Project Manager)

 October 25, 2005

(Date)

Project Status Report Form
prepared by
Harbor Development

ProjectDredged Material Management Consulting - Dredging**Project Manager:**Stephen Storms**Assignee(s) (Consultants/Contractors):**Gahagan & Bryant Associates, Inc.**Contract Period:**August 2005**Budget Line #****PIN #:****Contract #:****Task #, Name:**115554100010502820ATask 4 Masonville Pre-
Construction Engineering &
Design**Project Budget (Total):**\$783,644**Revisions:****Revision #:****% Complete (Total):**15%**% Expended (Total):**7.17%**% Complete (Crnt FY):**35%**Var/Balance:**Favorable/65%**% Expended
(Crnt FY):**35.68%**Var/Balance:**Favorable/64.32%**Project Goal(s)**

The PED is comprised of three broad stages: (1) finalization of design, (2) preparation of plans, specifications, and engineers cost estimates, and (3) preparation of the construction bidding documents and award. The following subtasks are provided to detail and describe the workload associated with the completion of the Masonville PED.

Project Objectives:

GBA will provide qualified staff to assist the MPA with the following subtasks

- | | |
|--|---|
| 4.1) Project Management & Meeting Attendance | 4.5) Masonville Plans & Specifications |
| 4.2) Pre-construction Engineering & Design Technical Reviews | 4.6) Geotechnical Design, Field Borings & Lab Testing Report (CONTINGENT) |
| 4.3) Site Operations Manual | 4.7) Community Enhancements |
| 4.4) Engineers Cost Estimates & Construction Schedule | 4.8) Masonville CDF |

Date: August 30, 2005

Project Status Report Form
prepared by
Harbor Development

Project

Dredged Material Management Consulting - Dredging

Project Manager:

Stephen Storms

Assignee(s) (Consultants/Contractors):

Gahagan & Bryant Associates, Inc.

Contract Period:

August 2005

Budget Line #

PIN #:

Contract #:

Task #, Name:

1155

54100010

502820A

Task 4 Masonville Pre-
Construction Engineering &
Design

Project Status - Issues/Solutions (both required):

Pre-dredging design continues as 60% plans and specifications are prepared. In an effort to reduce dredging for dike foundation, a plan to excavate a keyway under the central portion of the proposed dike has been completed. Preliminary design of the dredging limits has been revised to include two methods of measurement and payment. A conventional dredging template with 2' of allowable overdepth dredging will be used for the Cofferdam undercut and the stripping of the small East Borrow Area. A lightweight "bucket spec" will be established to control the dredging limits for the dike undercut and the stripping of the large West Borrow Area. The total preparatory dredging quantities for the project now stand at approximately 1.75 MCY.

Discussions continue on the preliminary contract issues on the Masonville DMCF. Multiple contracts may be recommended to allow staging of the project with respect to adjacent and interrelated utility and paving projects. Special consideration has been given to the 48" Baltimore City waterline relocation, and its impact on the project.

(Project Manager)

October 25, 2005
(Date)

Project Status Report Form
prepared by
Harbor Development

ProjectDredged Material Management Consulting - Dredging**Project Manager:**Stephen Storms**Assignee(s) (Consultants/Contractors):**Gahagan & Bryant Associates, Inc.**Contract Period:**August 2005**Budget Line #**1285**PIN #:**54100010**Contract #:**502820A**Task #, Name:**Task 5 Sparrows Point
Feasibility/EIS**Project Budget (Total):**\$472,273**Revisions:****Revision #:****% Complete (Total):**20%**% Expended (Total):**60.75%**% Complete (Crnt FY):**50%**Var/Balance:**Favorable/50%**% Expended
(Crnt FY):**58.68%**Var/Balance:**Favorable/41.32%**Project Goal(s)**

The MPA is continuing the work done by Gahagan & Bryant Associates, Inc., Moffatt & Nichol Engineers, Joint Venture (JV) on the combined feasibility study and EIS for three harbor sites.

Project Objectives:

GBA will provide qualified staff to assist the MPA with the following subtasks

5.1) Project Management & Meeting Attendance**5.3)** Permitting, Mitigation, & Community Enhancements**5.2) Engineering Elements****5.4)** Project Schedule Baseline & Cost Estimates

a. Test Dike Planning & Design

5.5) Plan Formulation Alternatives Analysis

b. Establishment of Preliminary Design

5.6) Combined Feasibility/EIS Report

c. Development of Surveying & Mapping Information & Feasibility Level Design Drawings

5.7) Hydrographic/Topographic Surveys

d. Identification of Construction Materials

5.8) Geotechnical Field Data & Lab Testing

e. Design of Project Alternatives

f. Development of Construction Procedures

Project Status - Issues/Solutions (both required):

Probing was completed at this site. Test dike costs data has been requested from specialty contractors. This information will be used to further define the costs and benefits for performing this work. There was no other activity regarding this site during August.

 (Project Manager)

 October 25, 2005

(Date)

Date: August 30, 2005

Project Status Report Form
prepared by
Harbor Development

Project

Dredged Material Management Consulting - Dredging

Project Manager:

Stephen Storms

Assignee(s) (Consultants/Contractors):

Gahagan & Bryant Associates, Inc.

Contract Period:

August 2005

Budget Line #

1285

PIN #:

54100010

Contract #:

502820A

Task #, Name:

Task 6 BP Fairfield
Feasibility/EIS

Project Budget (Total):

\$473,154

Revisions:

Revision #:

% Complete (Total):

10%

% Expended (Total):

7.91%

% Complete (Crnt FY):

30%

Var/Balance:

Favorable/70%

**% Expended
(Crnt FY):**

31.64%

Var/Balance:

Favorable/68.76%

Project Goal(s)

The MPA is continuing the work done by Gahagan & Bryant Associates, Inc., Moffatt & Nichol Joint Venture (JV) on the combined feasibility study and EIS for BP Fairfield.

Project Objectives:

GBA will provide qualified staff to assist the MPA with the following subtasks

6.1) Project Management & Meeting Attendance

6.3) Project Schedule Baseline & Cost Estimates

6.2) Engineering Elements

6.4) Plan Formulation Alternatives Analysis

a. Establishment of Preliminary Design

6.5) Combined Feasibility/EIS Report

b. Development of Surveying & Mapping Information & Feasibility Level Design Drawings

6.6) Hydrographic/Topographic Surveys

c. Identification of Construction Materials

6.7) Geotechnical Field Data & Lab Testing

d. Design of Project Alternatives

e. Development of Construction Procedures

Project Status - Issues/Solutions (both required):

Analysis of probing data was used to determine that an additional alignment, extending the site to the north, should be considered for further analysis. This precipitated a meeting with Baltimore City (Water Treatment) to present this possible alignment to them and solicit resulting issues.

(Project Manager)

October 25, 2005

(Date)

Date: 8/01/05-8/31/05

Project Status Report Form
prepared by
Harbor Development

Project Name:

Open Ended Contract for Dredged Material
 Management Support - Environmental
 Engineering Services

Project Manager: Frank Pine**MPA Project Manager:** Steve Storms**Assignee(s) (Consultants/Contractors):**

EA Engineering, Science, and Technology, Inc.

Contract Period: 3/01/05 – 2/28/09**Budget Line #**

1290

PIN #:

54110010

Contract #:

502820B

Task #, Name:Task 1, DMMP Technical
Services**Project Budget (Total):**Original: \$138,306; Total: \$138,306**Revisions:** 0**Revision #:****% Complete (Total):** 5%**% Expended (Total):** 5%

\$6703.51

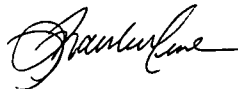
Project Goal(s): This Task Order is to cover significant additional work for support of the DMMP.

Project Objectives: Attend BEWG meetings; attend citizens committee and management committee meets as requested; provide support in completing the DMMP reports and legislative reports; assist in a variety of support services for the State DMMP process and related tasks

Project Status - Issues/Solutions (both required): We are continuing to support the Harbor Site Studies and Mitigation Identification, Poplar Island Expansion, and the Mid-Bay Island Plan NEPA process under separate contracts/tasks. During this period, one BEWG was attended (1 staff person each). EA Staff provided assistance in preparations for the September BEWG meeting at the end of the period. EA has also been providing some derelict vessel remediation support under this task. Some management time was also accrued.

Date: 8/01/05-8/31/05

Project Status Report Form
prepared by
Harbor Development

Signature/Date:  09/26/05
(Project Manager)

Date: 8/01/05-8/31/05

Project Status Report Form
prepared by
Harbor Development

Project Name:

Open Ended Contract for Dredged Material
 Management Support - Environmental
 Engineering Services

Project Manager: Frank Pine**MPA Project Manager:** Steve Storms**Assignee(s) (Consultants/Contractors):**

EA Engineering, Science, and Technology, Inc.

Contract Period: 3/01/05 – 12/31/06**Budget Line #****PIN #:****Contract #:****Task #, Name:**

1290

54110010

502820B

Task 3, Masonville
Feasibility/EIS**Project Budget (Total):**Original: \$451,369; Total: \$451,369**Revisions:** 0**Revision #:****% Complete (Total):** 35%**% Expended (Total):** 35%

\$158,261.99

Project Goal(s): To complete the necessary studies required to support the completion of a feasibility/EIS; develop mitigation options and permit support documents; complete the required NEPA documentation for this site.

Project Objectives: Conduct field investigations and prepare data reports; provide support in preparing and completing the feasibility/EIS for Masonville; attend Harbor site meetings (Harbor Team, Public Scoping/outreach, PDT, and Corps and JE Committee meetings) including presentation development.

Project Status - Issues/Solutions (both required): Masonville EIS document preparation continued throughout the period. Sediment Quality and benthic identification data were received from the various labs; data summarization and analysis began. EA staff worked with PDT to develop mitigation options for Masonville, which involved several meeting/conference calls. Also assisted in presentation preparation for August Joint evaluation committee meeting. EA staff attended and presented at JE meeting (1 staff member). Some derelict vessel remediation support time was also accrued under this task. EA also completed the fisheries (gillnetting) efforts for the wet basin and Kurt Iron Slip.

Date: 8/01/05-8/31/05

Project Status Report Form
prepared by
Harbor Development

Project Name: Open Ended Contract for Professional Environmental Engineering Services

Task #, Name: Task 3, Masonville Feasibility/EIS

Signature/Date:
(Project Manager)



9/26/05

Date: 8/01/05-8/31/05

Project Status Report Form
prepared by
Harbor Development

Project Name:

Open Ended Contract for Dredged Material
 Management Support - Environmental
 Engineering Services

Project Manager: Frank Pine**MPA Project Manager:** Steve Storms**Assignee(s) (Consultants/Contractors):**

EA Engineering, Science, and Technology, Inc.

Contract Period: 3/01/05 – 2/28/09**Budget Line #****PIN #:****Contract #:****Task #, Name:**

1290

54110010

502820B

Task 5, Sparrows Point
Feasibility/EIS**Project Budget (Total):**Original: \$411,711; Total: \$411,711**Revisions:** 0**Revision #:****% Complete (Total):** 1%**% Expended (Total):** 1%

\$4,717.22

Project Goal(s): To complete the necessary studies required to support the completion of a feasibility/EIS; develop mitigation options; complete the required NEPA documentation for this site.

Project Objectives: Conduct field investigations and prepare data reports; provide support in preparing and completing the feasibility/EIS for Sparrows Point; attend Harbor site meetings (Harbor Team, public outreach and PDT meetings) including presentation development.

Project Status - Issues/Solutions (both required): EA staff attended one general Harbor Sites progress meeting (1 staff member). Minor assistance was provided to PDT for Sparrows Point community enhancement development.

Date: 8/01/05-8/31/05

Project Status Report Form
prepared by
Harbor Development

Project Name: Open Ended Contract for Professional Environmental Engineering Services

Task #, Name: Task 5, Sparrows Point Feasibility/EIS

Signature/Date:
(Project Manager)



9/26/05

Date: 8/01/05-8/31/05

Project Status Report Form
prepared by
Harbor Development

Project Name:

Open Ended Contract for Dredged Material
 Management Support - Environmental
 Engineering Services

Project Manager: Frank Pine**MPA Project Manager:** Steve Storms**Assignee(s) (Consultants/Contractors):**

EA Engineering, Science, and Technology, Inc.

Contract Period: 3/01/05 – 12/31/06**Budget Line #****PIN #:****Contract #:****Task #, Name:**

1290

54110010

502820B

Task 6, BP/Fairfield
Feasibility/EIS**Project Budget (Total):**Original: \$85,000; Total: \$85,000**Revisions:** 0**Revision #:****% Complete (Total):** 9.6%**% Expended (Total):** 9.6%

\$8,951.34

Project Goal(s): To complete the necessary studies required to support the completion of a feasibility/EIS; develop mitigation options; complete the required NEPA documentation for this site.

Project Objectives: Conduct field investigations and prepare data reports; provide support in preparing and completing the feasibility/EIS for BP-Fairfield; attend Harbor site meetings (Harbor Team, public outreach and PDT meetings) including presentation development.

Project Status - Issues/Solutions (both required): The final fisheries sampling (seining) occurred during this period. EA staff attended one general Harbor Sites progress meeting (1 staff member).

Date: 8/01/05-8/31/05

Project Status Report Form
prepared by
Harbor Development

Project Name: Open Ended Contract for Professional Environmental Engineering Services

Task #, Name: Task 6, BP/Fairfield Feasibility/EIS

Signature/Date:
(Project Manager)



9/26/05

Date: 8/01/05-8/31/05

Project Status Report Form
prepared by
Harbor Development

Project Name:

Open Ended Contract for Dredged Material
 Management Support - Environmental
 Engineering Services

Project Manager: Frank Pine**MPA Project Manager:** Steve Storms**Assignee(s) (Consultants/Contractors):**

EA Engineering, Science, and Technology, Inc.

Contract Period: 3/01/05 –2/28/09**Budget Line #****PIN #:****Contract #:****Task #, Name:**

1290

54110010

502820B

Task 8, Mid-Bay Islands
Planning**Project Budget (Total):**Original: \$68,000; Total: \$68,000**Revisions:** 0**Revision #:****% Complete (Total):** 0%**% Expended (Total):** 0%

Project Goal(s): This Task Order is to cover significant additional work for support of the Mid Bay Planning effort.

Project Objectives: Attend meetings; provide support in reviewing reports;


Project Status - Issues/Solutions (both required): No work was conducted during this reporting period. All subsequent Project Status Reports will be provided on a monthly basis.

Date: 8/01/05-8/31/05

Project Status Report Form
prepared by
Harbor Development

Project Name: Open Ended Contract for Professional Environmental Engineering Services

Task #, Name: Task 1, DMMP Support

Signature/Date:  9/26/05
(Project Manager)

Date: October 10, 2005

Project Status Report #6
prepared by
Moffatt & Nichol

Project:

Dredged Material Management Consulting – Coastal

Project Manager:

Peter W. Kotulak

Assignee(s) (Consultants/Contractors):

M&N, SAIC, Chesapeake Environmental Mgmt

Contract Period:

7/31/05 – 8/27/05

Budget Line # PIN #:

Contract #:

502820C

Task #, Name:

3, Masonville Feasibility/
Environmental Impact

Project Budget (Total):

\$420,614.00

Revisions:

None

Revision #:

N/A

% Complete (Total):

70%

% Expended (Total):

66%

% Complete (Crnt FY):

70%

Var/Balance:

0%

% Expended (Crnt FY):

66%

Var/Balance:

0%

Project Goal(s):


Preparation of the Feasibility/Environmental Impact Statement (EIS) Document to obtain regulatory agency approval to construct the Masonville Dredged Material Containment Facility (DMCF).

Project Objectives:

Undertake a data collection program in the Patapsco River and Chesapeake Bay to provide information on baseline hydrodynamic conditions and for hydrodynamic model calibration and verification. Science Applications International Corporation (SAIC) will serve as subconsultant to provide, deploy, and monitor the instrumentation. Prepare mitigation options that will be required to compensate for filling in the water and covering existing sediments both onsite and offsite. Provide technical input into addressing the concerns of the regulatory agencies in regard to obtaining the necessary environmental permits. Provide engineering support for community enhancement items not addressed through mitigation process. Chesapeake Environmental Management will serve as subconsultant for this subtask. Perform hydrodynamic, salinity, residence time, and sedimentation modeling to evaluate impacts of project on surrounding environment. The results of all the modeling studies will be presented in a Hydrodynamic Numerical Modeling Report. Pertinent findings from the hydrodynamic, salinity, residence time, and sedimentation modeling will be incorporated in the Feasibility/EIS.

Project Status - Issues/Solutions (both required):

Continued work and studies for the Masonville DMCF. Continued work on the Draft Environmental Impact Statement (EIS). Attended accelerated feasibility and design meetings with Harbor Development and Engineering to discuss project status and coordinate DMCF project with MPA Engineering Capital projects. Continued data collection of Patapsco River currents. Participated in developing mitigation plans and attended mitigation team meetings to complete project impacts inventory, prioritize mitigation options. Attended Bay Enhancement Working Group (BEWG) meeting to present preliminary results of data collection. Participated in field visits to Masonville Cove for mitigation and community enhancement strategies. Continued work on hydrodynamic modeling, continued salinity and sedimentation modeling using both regional and local models.



(Project Manager)

October 10, 2005

(Date)

Date: October 10, 2005

Project Status Report #6
prepared by
Moffatt & Nichol

Project:
Dredged Material Management Consulting – Coastal

Project Manager:
Peter W. Kotulak

Assignee(s) (Consultants/Contractors):
M&N, Chesapeake Environmental Mgmt

Contract Period:
7/31/05 – 8/27/05

Budget Line # PIN #:

Contract #:
502820C

Task #, Name:
4, Masonville
Preconstruction
Engineering and Design

Project Budget (Total):
\$502,221.80

Revisions:
None

Revision #:
N/A

% Complete (Total):
10%

% Expended (Total):
10.4%

% Complete (Crnt FY): Var/Balance:
10% 0%

% Expended (Crnt FY): Var/Balance:
10.4% 0%

Project Goal(s):

Preparation of the Final Design and Contract Documents for construction of the Masonville Dredged Material Containment Facility (DMCF), Community Enhancements and Mitigation Projects.

Project Objectives:

Prepare Basis of Design for coastal protection, retention structures, spillways, barge unloading facilities and community enhancement/mitigation projects. Provide final engineering design and contract documents including construction drawings, specifications and cost estimates. Prepare submittals at 30, 90 and 100 percent levels of completion. Chesapeake Environmental Management will serve as subconsultant for this subtask.

Project Status - Issues/Solutions (both required):

Continued work and studies for the Masonville DMCF, primarily focusing on the predredging component of the project, geotechnical issues as regards dike foundation, borrow material and dike construction. Attended accelerated feasibility and design meetings with Harbor Development and Engineering to discuss project status and coordinate DMCF project with MPA Engineering Capital projects.



(Project Manager)

October 10, 2005
(Date)

Date: October 10, 2005

Project Status Report #6
prepared by
Moffatt & Nichol

Project:
Dredged Material Management Consulting – Coastal

Project Manager:
Peter W. Kotulak

Assignee(s) (Consultants/Contractors):
M&N, E2CR, Biohabitats, Ecologix

Contract Period:
6/26/05 – 7/30/05

Budget Line # PIN #:

Contract #:
502820C

Task #, Name:
5, Sparrows Point DMCF
Feasibility/
Environmental Impact

Project Budget (Total):
\$629,293.00

Revisions:
None

Revision #:
N/A

% Complete (Total):
2%

% Expended (Total):
1.5%

% Complete (Crnt FY): Var/Balance:
2% 0%

% Expended (Crnt FY): Var/Balance:
1.5% 0%

Project Goal(s):

Preparation of the Feasibility/Environmental Impact Statement Document to obtain regulatory agency approval to construct the Sparrows Point Dredged Material Containment Facility (DMCF).

Project Objectives:

Refine the coastal protection designs for the alternate dike alignments that are still under consideration for both the main DMCF cell and for the Wetland Cell. Perform physical model testing upon approval from MPA. MN will coordinate with the testing facility to insure that the model tests meet the study objectives. The results of the coastal engineering studies including any model testing will be presented in a Coastal Engineering Report. In conjunction with subconsultant E2CR and GBA, prepare Basis of Design contract documents for test dike. Prepare mitigation options that will be required to compensate for filling in the water and covering existing sediments both onsite and offsite. Provide technical input into addressing the concerns of the regulatory agencies in regard to obtaining the necessary environmental permits. Provide engineering support for community enhancement items not addressed through mitigation process. Biohabitats and Ecologix will serve as subconsultants for this subtask. Perform hydrodynamic, salinity, residence time, and sedimentation modeling to evaluate impacts of project on surrounding environment. The results of all the modeling studies will be presented in a Hydrodynamic Numerical Modeling Report. Pertinent findings from the hydrodynamic, salinity, residence time, and sedimentation modeling will be incorporated in the Feasibility/EIS. It is proposed to develop the main DMCF cell into a marine terminal once site filling has been completed. Accordingly, the containment structure along the west perimeter will be designed so that it can be incorporated into a future marginal wharf. Alternate retention structures to be evaluated include: armored sand dike, stepped rock dike, steel cofferdam cells, and braced steel master pile wall. This evaluation will consider both the initial retention structure and the future berth. Phasing of construction will be addressed due to the poor foundation conditions. The findings of this study will be incorporated into an Alternate DMCF Retention Structure Report. Additional subsurface investigations are required to refine alignments, verify soil conditions, and define quantities. These investigations will consist of borings, probes, cone penetration tests, vane shear tests, and laboratory tests. A supplementary subsurface investigation program will be submitted to MPA for review and approval prior to initiating field work. The findings of the investigation program along with the results of the geotechnical analyses will be documented in a report. This subtask will be performed by subconsultant E2CR.

Project Status - Issues/Solutions (both required):

Continued studies of community enhancement and mitigation options. Continued studies for construction of test dike.

Peter W. Kotulak

(Project Manager)

October 10, 2005

(Date)

Date: October 10, 2005

Project Status Report #6
prepared by
Moffatt & Nichol

Project:
Dredged Material Management Consulting – Coastal

Project Manager:
Peter W. Kotulak

Assignee(s) (Consultants/Contractors):
M&N, Chesapeake Env. Mgmt., Ecologix

Contract Period:
7/31/05 – 8/27/05

Budget Line # PIN #:

Contract #:
502820C

Task #, Name:
6, BP-Fairfield DMCF
Feasibility/
Environmental Impact

Project Budget (Total):
\$210,664.00

Revisions:
None

Revision #:
N/A

% Complete (Total):
3%

% Expended (Total):
2.8%

% Complete (Crnt FY): Var/Balance:
3% 0%

% Expended (Crnt FY): Var/Balance:
2.8% 0%

Project Goal(s):

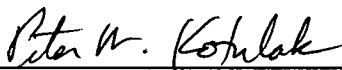
Preparation of the Feasibility/Environmental Impact Statement Document to obtain regulatory agency approval to construct the BP-Fairfield Dredged Material Containment Facility (DMCF).

Project Objectives:

Refine the coastal protection designs for the alternate dike alignments that are still under consideration for the DMCF and document results in a Coastal Engineering Report. Collect additional data, as required, to supplement the data collection effort outlined in Subtask 3.2. These data will include current velocity/direction, suspended sediments, salinity, and temperature. Prepare mitigation options that will be required to compensate for filling in the water and covering existing sediments both onsite and offsite. Provide technical input into addressing the concerns of the regulatory agencies in regard to obtaining the necessary environmental permits. Provide engineering support for community enhancement items not addressed through mitigation process. Chesapeake Environmental and Ecologix will serve as subconsultants for this subtask. Perform hydrodynamic, salinity, residence time, and sedimentation modeling to evaluate impacts of project on surrounding environment. The results of all the modeling studies will be presented in a Hydrodynamic Numerical Modeling Report. Pertinent findings from the hydrodynamic, salinity, residence time, and sedimentation modeling will be incorporated in the Feasibility/EIS. Additional subsurface investigations are required to refine alignments, verify soil conditions, and define quantities. These investigations will consist of borings, probes, cone penetration tests, vane shear tests, and laboratory tests. Provide input relative to formulation of the subsurface investigation program, review of the Geotechnical Report, and implementation of recommendations on dike construction and borrow sources.

Project Status - Issues/Solutions (both required):

Continued work on the studies for the BP-Fairfield DMCF. Attended design meetings with the project team to discuss overall project status.



(Project Manager)

October 10, 2005
(Date)

Date: October 10, 2005

Project Status Report #6
prepared by
Moffatt & Nichol

Project:
Dredged Material Management Consulting – Coastal

Project Manager:
Peter W. Kotulak

Assignee(s) (Consultants/Contractors):
M&N, Biohabitats

Contract Period:
7/31/05 – 8/27/05

Budget Line # PIN #:

Contract #:
502820C

Task #, Name:
7, Poplar Island
Expansion – GRR
Evaluation

Project Budget (Total):
\$209,086.00

Revisions:
None

Revision #:
N/A

% Complete (Total):
15%

% Expended (Total):
15%

% Complete (Crnt FY): Var/Balance:
15% 0%

% Expended (Crnt FY): Var/Balance:
15% 0%

Project Goal(s):to


Preparation of a General Reevaluation Review (GRR) for the expansion of Poplar Island to obtain funding authorization through a Water Resources Development Act (WRDA).

Project Objectives:

Review the GRR as regards concepts, alternatives, alignments, and analyses for the Poplar Island Expansion (PIE) currently being performed by CENAB, focusing on dike sections, coastal protection, and impacts on tidal hydrodynamics, sedimentation, morphological change, wave refraction/diffraction and wave energy distribution. Provide input that will be used to develop plans for placement of dredged material within the expansion area and creation of tidal wetlands. Perform hydrodynamic, salinity, residence time, and sedimentation modeling to evaluate impacts of project on surrounding environment. The results of all the modeling studies will be presented in a Hydrodynamic Numerical Modeling Report. Using the model, evaluate morphological changes in the vicinity of the project and assess the potential for long-term accumulation of sediments in the area. Model and evaluate wave refraction/diffraction and wave energy distribution differences for existing and with-project conditions. The results of all the modeling studies will be presented in a Hydrodynamic Numerical Modeling Report. Pertinent findings from the hydrodynamic, salinity, residence time, and sedimentation modeling will be incorporated in the GRR.

Project Status - Issues/Solutions (both required):

Continued review of GRR received from CENAB. Performed coastal and numerical modeling studies to evaluate expansion plan. Provided comments on draft report to CENAB.



(Project Manager)

October 10, 2005
(Date)

Federal Dredged Material Management Plan (DMMP) Support Monthly Progress Report
(Task 47)

Project: Federal Dredged Material Management Plan (DMMP) Support
Period: August 2005
MPA Contract No.: 500912
MPA PIN: 54000010
MDOT Line Number: 1085
MPA Project Manager: Steve Storms
Contract Amount: \$46,181.07

Subtask 47.1: Task Planning, Technical, Environmental and Administrative Services (MES)

- MES prepared and submitted the monthly status report.
- Acquainted new MES Task manager with status of project and financials.

Future Work Anticipated in September:

- MES will provide Federal DMMP technical support to the MPA as needed.

Subtask 47.2: Subcontracted Services for Technical Support for the Federal Dredged Material Management Plan Development (EA Engineering, Science, & Technology, Inc. (EA))

- EA reported no activity during the month of August.

Future Work Anticipated in September:

- EA will provide Federal DMMP technical support to the MPA as needed and requested by MES.

Invoiced for August 2005: \$366.68

Total Amount Invoiced to MPA as of August 31, 2005 Invoice:
Task 47 – \$35,002.33

Contract Amount Remaining as of August 31, 2005 Invoice:
Task 47 – \$11,178.54

Sparrows Point

EPATS TASK 31 MONTHLY PROGRESS REPORT

Project: Sparrows Point
MPA Project Manager: Steve Storms
Reporting Period: August 2005
MPA Contract No.: 500912
MPA PIN: 54000010
MDOT Budget Line #: 1085
Contract Amount for Task 31: \$365,833
Contract Term: 01/01/99 – 6/30/07
Task Term: 07/24/02 – 12/31/05

Subtask 31.8 Task Planning, Technical, Environmental and Administrative Services (MES)

This report documents status of activities related to the Sparrows Point and Masonville engineering and technical support. This subtask was authorized in February 2005 to provide conceptual level planning, dredging engineering design, and cost estimates for the Sparrows Point and Masonville Terminal concepts. This progress report provides updates of the previous month, the current month, and forecasts future anticipated work and meetings.

July 2005: During the month of July, MES prepared the monthly status report and submitted it to MPA. MES received a status report and invoice from GBA for the month of June. MES processed the GBA invoice in the amount of \$648 for the services MN provided. The GBA status report indicated that MN had discussions with ISG representatives regarding possible options for aspects of terminal planning. The remaining items under this contract include terminal concepts for Sparrows Point and supporting geotechnical test and research. This work will be coordinated with the Sparrows Point feasibility studies and the EIS. MES did not receive an invoice from GBA for this time period.

Future forecasted work for this project includes the Sparrows Point Terminal Concepts and geotechnical testing and research.

August 2005: During the month of August, MES prepared the monthly status report and submitted it to MPA. MES did not receive a status report or invoice from GBA for this month. Future forecasted work for this project includes terminal concepts for Sparrows Point and supporting geotechnical test and research.

Total Amount Invoiced to MPA in August Invoice:
Task 31 - \$1,344.85

Total Amount Invoiced to MPA to date as of this Invoice:
Task 31 - \$259,977.55

Contract Amount Remaining as of August 31, 2005 Invoice:
Task 31 - \$ 105,855.45

Masonville Engineering and Technical Support

EPATS TASK 37 MONTHLY PROGRESS REPORT

Project: Masonville Engineering and Technical Support

MPA Project Manager: Steve Storms

Reporting Period: August 2005

MPA Contract No.: 500912

MPA PIN: 54000010

MDOT Budget Line #: 1085

Contract Amount for Task 37: \$451,734

Contract Term: 01/01/99 – 06/30/07

Task Term: 07/15/03 – 06/30/05

Subtask 37.13 Task Planning, Technical, Environmental and Administrative Services (MES)

This report documents the status of activities related to the engineering and technical services for the expansion of the Masonville Dredged Material Containment Facility (DMCF). These services include: development of a Cost/Benefit analysis for filling a 5 acre wet basin; evaluation of alternative DMCF retention structures near pier 3; evaluation of the 48" water main line relocation; project management for the development of the Masonville and Fairfield Terminals; and technical support on field engineering investigations and surveys. This progress report provides updates for the previous month, the current month, and forecasts future anticipated work and meetings.

July 2005: During the month of July, MES prepared and submitted the June monthly status report to MPA. MES received MN's June invoice for the services provided in the month of May. This invoice is in the amount of \$14,584.29. Those charges included the completion of the conceptual design and cost estimates for the four alternative DMCF retention structures and design consultant oversight. Future forecasted work in August includes MES submitting a proposal to MPA for MN working on the Masonville phase 2 storm drain reroutes.

August 2005: During the month of August, MES prepared and submitted the July monthly status report to MPA. MES submitted a letter, proposal, and budget on August 17, 2005 requesting the release of contingent funds associated with subtask 37.12. This letter detailed the request of the release of funds in the amount of \$59,656 in order to provide design services associated with the rerouting of the Masonville Phase 2 outfalls. MPA authorized the release of funds on August 19, 2005.

MES received and processed MN's July invoice for the services provided in the month of June. This invoice is in the amount of \$17,141.08. Those charges included: the completion of the conceptual design and cost estimates for the four alternative DMCF retention structures, presenting that information to MPA at the monthly progress meeting, a meeting with RK&K to discuss the 48" water line relocation, and design consultant oversight.

MES received and processed MN's August invoice for the services provided in the month of June. This invoice is in the amount of \$13,132.63. Those charges included: working on the conceptual designs of the 48" Water line relocation, design consultant oversight, MPA monthly meeting attendance, and preparation for the Masonville Phase 2 Storm drain relocation.

Total Amount Invoiced to MPA in August Invoice:

Task 37 - \$15,477.94

Total Amount Invoiced to MPA to date as of this Invoice:

Task 37 - \$ 255,436.32

Contract Amount Remaining as of August 31, 2005 Invoice:

Task 37 - \$196,295.19

EPATS TASK 51 MONTHLY PROGRESS REPORT

Project: Underwater Archeological Surveys and Pipeline Identification in the Baltimore Harbor
MPA Project Manager: Steve Storms
Reporting Period: August 2005
MPA Contract No.: 500912
MPA PIN: 54000010
MDOT Budget Line No.: 1085
Contract Amount for Task 51: \$144,784.91
Contract Term: 01/01/99 – 6/30/07
Task Term: 09/01/04 – 6/30/06

Subtask 51.1 Task Planning, Technical, Environmental and Administrative Services (MES)

This report documents status of activities related to the underwater archeological surveys and pipeline identification in the Baltimore Harbor. This information is being collected to assist MPA in planning future Harbor placement options. This progress report provides updates for the previous month, the current month, and forecasts future anticipated work and meetings.

July 2005: During the month of July, MES did not receive an invoice or status report from Goodwin. MES received comments from the MPA on the Pipeline Identification draft report on July 1, 2005. MES submitted the MPA and MES comments on the Pipeline Identification draft report to Goodwin on July 7, 2005.

MES completed their review of the Draft Underwater Archeological Survey of the Harbor and submitted comments to the MPA on July 17, 2005. MPA responded to MES with partial comments on July 26, 2005.

In the month of August, MES anticipates receipt of additional comments from MPA on the Draft Underwater Archeological Survey of the Harbor. MES anticipates transmitting all comments to Goodwin in August. Goodwin will incorporate the suggested comments within the final reports.

August 2005:

During the month of August, MES did not receive an invoice or status report from Goodwin. MES received additional comments from the MPA on the Draft Underwater Archeological Survey of the Harbor on August 4, 2005 and forwarded those comments to Goodwin.

In the month of September, MES anticipates that Goodwin shall incorporate the comments received within the final reports and resubmit final versions of the reports. MES anticipates completion of the reports late September/early October timeframe.

Total Amount Invoiced to MPA in August 31, 2005 Invoice:
Task 51 - \$ 313.93

Total Amount Invoiced to MPA to date as of this Invoice:
Task 51 - \$ 52,097.29

Contract Amount Remaining as of August 31, 2005 Invoice:
Task 51 - \$ 92,687.71

Grant Assistance

EPATS TASK 53 MONTHLY PROGRESS REPORT

Project: Grant Assistance
MPA Project Manager: Steve Storms
Reporting Period: August 2005
MPA Contract No.: 500912
MPA PIN: 54000010
MDOT Budget Line No.: 1085
Contract Amount for Task 53: \$49,678.80

Subtask 53.1 Task Planning, Technical, Environmental and Administrative Services (MES)

This report documents status of activities related to the grant assistance performed by MES to identify and apply for funding sources for community enhancement projects associated with dredged material placement projects, on behalf of the Maryland Port Administration (MPA). This progress report provides updates of the previous month, the current month, and forecasts future anticipated work and meetings.

July 2005: During the month of July, MES staff continued research to identify potential funding sources, created databases tabulating funding sources, contacted funding institutions, and continued work with Ecologix and the Brooklyn and Curtis Bay Coalition (BCBC) to discuss potential grant opportunities.

MES worked with MPA and BCBC in drafting a pre- application package to the Abell Foundation to fund a staff level position to work with the community groups and MPA on the Masonville Community Enhancement Projects. Discussions with the Abell Foundation indicated that they wanted a letter describing the Masonville dredged material project. MES is in the process of drafting that letter for submission to MPA in August. MES completed the pre-application package and submitted it to BCBC. They in turn submitted the package to the Abell Foundation on July 13, 2005. MES is in the process of completing the formal grant application for submittal by BCBC by the September 1, 2005 deadline.

August 2005: During the month of August, MES staff continued research to identify potential funding sources, created databases tabulating funding sources, contacted funding institutions, and continued work with Ecologix and the Brooklyn and Curtis Bay Coalition (BCBC) on the Program Coordinator grant with the Abell Foundation.

MES worked with MPA and BCBC in completing the application package to the Abell Foundation to fund a staff level position to work with the community groups and MPA on the Masonville Community Enhancement Projects. The application package was hand delivered to Abell Foundation on August 29, 2005. Discussions with the Abell Foundation indicated that they wanted a letter describing the Masonville dredged material project. MES drafted the letter and submitted it to MPA for their delivery to the Abell Foundation.

Total Amount Invoiced to MPA in August Invoice:
Task 53 - \$2,696.22

Total Amount Invoiced to MPA to date as of this Invoice:
Task 53 - \$ 7,163.63

Contract Amount Remaining as of August 31, 2005 Invoice:
Task 53 - \$ 42,515.17

Harbor Technical Support

EPATS TASK 56 MONTHLY PROGRESS REPORT

Project: Harbor Technical Support
MPA Project Manager: Steve Storms
Reporting Period: August 2005
MPA Contract No.: 500912
MPA PIN: 54000010
MDOT Budget Line #: 1085
Contract Amount for Task 56: \$627,529
Contract Term: June 2005 – June 2006

Subtask 56.1 Task Planning, Technical, Environmental and Administrative Services (MES)

This report documents the status of activities related to the Harbor Technical Support EPATS Task 56. This task was established for MES to provide project and technical support services to the MPA during the Harbor Feasibility Studies and the Harbor Sites Environmental Impact Statement (EIS) process. This progress report provides updates of the previous month, the current month, and forecasts future anticipated work and meetings.

July 2005: During the month of July, MES staff provided support in preparation of the Masonville Mitigation plan formulation. MES staff attended meetings on July 5, 11, 13, 14, and 20 in support of the mitigation planning and the Harbor team meeting.

In the month of August, MES anticipates providing continued support on formulating the Masonville mitigation options and working with MPA contractors on the feasibility studies and the EIS. MES anticipates participating in the JV meeting scheduled for August 25 and the joint evaluation meeting for Masonville scheduled for August 31, 2005. MES will continue to work on the UMCES contract and will continue to review the RFP's to determine the contractor who will provide the public outreach for this contract.

August 2005: During the month of August, MES staff provided support in preparation of the Masonville Mitigation plan formulation, submitted the JE Agenda worksheet, worked on the cultural section of the EIS, and worked on Masonville permitting guidance. MES staff attended meetings on August 25 and 30 in support of the mitigation planning and the Harbor team meeting. MES prepared the JE meeting agenda and submitted to MDE on August 9, 2005. MES prepared a table identifying permits required for the Masonville project and submitted this to MPA on August 26, 2005.

In the month of September, MES anticipates providing continued support on formulating the Masonville mitigation options and working with MPA contractors on the feasibility studies and the EIS. MES anticipates participating in the JV meeting scheduled for September 20, 2005. MES will continue to work on awarding the UMCES and Ecologix contracts.

Total Amount Invoiced to MPA in August Invoice:
Task 56 - \$2,913.48

Total Amount Invoiced to MPA to date as of this Invoice:
Task 56 - \$10,137.29

Contract Amount Remaining as of August 31, 2005 Invoice:
Task 56 - \$617,454.71

MID-BAY ISLAND FEASIBILITY MONTHLY PROGRESS REPORT

Project: Mid-Bay Island Feasibility Study

Period: August 2005

MPA Contract No.: 504804

MPA PIN: 52280020

MPA Project Managers: Steve Storms/Nat Brown

MDOT Line No: 1040

Contract Amount (Tasks 1-5, and 8-12): \$2,277,461.77* (excludes \$103,730.52 of contingent funds)

Contract Term: November 11, 2005 to June 30, 2006

Task 1-Contract and Project Management (MES, EA & GBA)

Subtask 1.1 – Task Planning, Technical, Environmental and Administrative Services (MES)

- MES continued to coordinate on all aspects of this study with EA and GBA.
- MES received a July monthly status update from EA on August 9th.
- MES received a July monthly status update from GBA on August 8th.
- On August 16th, MES submitted a status report for the month.
- MES received MPA's approval to return any remaining funding, including contingent funding from the recently completed Tasks 4 and 13 to the uncommitted IGA funding.

Future Work Anticipated in September:

- MES will attend the PDT meeting on September 6th and take notes at the meeting.

Subtask 1.2- Subcontracted Services for the Mid-Bay Island Project Management Plan (PMP) Support (EA)

- EA submitted a June status report on July 8th.
- Little activity occurred this period, except subcontractor accounting.

Future Work Anticipated in September:

- EA will submit a monthly status report in early September.
- EA will attend the PDT meeting on September 6th.

Subtask 1.3- Subcontracted Services for the Mid-Bay Island Project Management Plan (PMP) Support (GBA)

- No activity this period.

Future Work Anticipated in September:

- GBA will submit a monthly status report in early September.
- GBA will attend the next PDT meeting on September 6th.

Task 2– Public Involvement (MES)

- No activity during this period.

Future Work Anticipated in September:

- No activity anticipated at this time.

Task 3 – Environmental Field Studies and Consolidated Environmental Report (MES, Harms, BBL, AMA)

Subtasks 3.1 – 3.8 (James Island):

Subtask 3.1 - Task Planning, Technical, Environmental and Administrative Services (MES)

- MES participated in a site visit to James and Barren Islands on August 16 and 17th, respectively. MES worked on preparing site visit summaries.

Future Work Anticipated in September:

- MES will send the site visit summaries to MPA.

Subtasks 3.2-3.7 Subcontracted Services for Feasibility-Level Environmental Conditions Studies for a Potential Island Restoration Project at James Island – Third and Fourth Seasons of Sampling (Harms)

- Task is completed. No further activity to report.

Subtask 3.8 Subcontracted Services for Pop Netting at James Island (AMA)

- Task is completed. No further activity to report.

Subtasks 3.9 – 3.16 (Barren Island):

Subtask 3.9 Task Planning, Technical, Environmental and Administrative Services (MES)

- Task is completed. No further activity to report.

Subtask 3.10 – 3.15: Subcontracted Services for Feasibility-Level Environmental Conditions Studies for a Potential Island Restoration Project at Barren Island – Third and Fourth Seasons of Sampling (BBL)

- Task is completed. No further activity to report.

Subtask 3.16: Subcontracted Services for Pop Netting at Barren Island (AMA)

- Task is completed. No further activity to report.

Task 4 – Cultural Studies (MES, PCI)

Subtask 4.1 & 4.2 - Contract and Project Management (MES) & Subcontractor's Scope of Services (PCI)

- Task is completed. No further activity to report.

Task 5 – Economic Studies (MES/UMCES)

- MES/UMCES stayed current through correspondence with team members about EIS progress in order to prepare for EIS revisions and public comment period.
- UMCES submitted a status report to MES on August 2nd.

Future Work Anticipated in September:

- UMCES and MES will work on any revisions needed to the EIS following external review and provide materials for any public outreach activities.

Task 8- EIS (MES)

- On August 3rd, MES received an updated 404(b)(1) section from the Corps.
- On this same day, MES finished updating the comment table responses and submitted to the Corps.
- MES updated Appendix G (Public Involvement) to include new correspondence. MES submitted to Corps on August 24th.
- MES continued to coordinate and support the Corps on getting the files in a workable format.

Future Work Anticipated in September:

- MES will assist as needed with revising any text of the EIS as requested by the Corps.

- MES will coordinate with the Corps as to when the draft EIS should be submitted to Corps Headquarters.
- When the draft report is ready to go to Headquarters, MES will coordinate with an outside printing company to receive the appropriate number of copies of the report.
- MES will coordinate with the Corps to get the reports to Headquarters.

Task 9- Mid-Bay Island and Other Related Dredged Material Management Plan (DMMP) Options Communications and Public Outreach Plan (MES/AMA)

- On August 17th, MES received the highlights/action items from AMA and distributed them to the team on August 18th.
- MES received a monthly status report from AMA on August 6th.

Future Work Anticipated in September:

- No activity anticipated at this time.

Task 10 - Coastal Monitoring and Modeling Support at James Island (MES/BBL)

- BBL provided USACE composite map indicating United Soil Classification System (USCS) sediment types throughout James Island, provided shape files to ERDC.
- BBL identified federal channels near Barren Island and private channel near James Island, provided shape files to ERDC.
- BBL completed sediment grain size distribution testing as well as characterizing the 30 sediment grab samples around James Island.
- BBL provided ERDC updated D50, the average grain size in mm for the SED2D model. BBL took all the cores and grab samples that had a grain size distribution and averaged it out over James Island.
- BBL received bathymetric drawings for the Honga River from USACE Baltimore. BBL is developing surfaces to determine preliminary shoaling rates.
- BBL developed conceptual evaluations of tidal gut and marsh layout for James Island and initiated discussions with BBL ecologists regarding habitat and restoration aspects of alignments. Three additional alignments were developed and ranked and provided to USACE and MES.
- Started developing grids and utilizing wind and wave files provided by ERDC to start running ADCIRC and M2D models.
- On August 8th, MES submitted the draft highlights/action items from the July 27th meeting to the team for review/comment.
- On this same day, BBL submitted the monthly status report to MES.
- MES and BBL participated in SMS and IMS Workshop August 9-11th, and a team meeting on the afternoon of August 11th.
- On August 12th, MES submitted copies of the sign in sheets from the July 27th and August 11th meetings to the team.
- On August 23rd, MES submitted a draft of the highlights/action items from the August 11th meeting to the team for review/comment.
- BBL continued work on coastal monitoring and modeling framework.

Future Work Anticipated in September:

- BBL will attend and present an update on the modeling tasks at the September 6th PDT team meeting.
- MES will submit final highlights/action items from the July 27th and August 11th meetings to the team for review.

- MES/BBL will attend the modeling meeting on September 23rd at MES. MES will record highlights/action items.

Task 11 - Coastal Monitoring and Modeling Support at Barren Island (MES/AMA)

- AMA coordinated with staff from MES, MPA and the Baltimore District Corps of Engineers.
- AMA continued data write-ups.
- MES received a monthly status report from AMA on August 6th.
- MES and AMA participated in SMS and IMS Workshop August 9-11th, and team meeting the afternoon of August 11th.
- On August 8th, MES submitted the draft highlights/action items from the July 27th meeting to the team for review/comment.
- On August 12th, MES submitted copies of the sign in sheets from the July 27th and August 11th meetings to the team.
- On August 23rd, MES submitted a draft of the highlights/action items from the August 11th meeting to the team for review/comment.
- AMA coordinated with BBL regarding outline of the coastal monitoring and modeling plan.
- AMA has completed sediment sampling data & analyses.
- AMA has completed the field work/data processing on the topographic/hydrographic surveys.
- AMA continued to work on the locations of the channels/historical shoaling rates.
- AMA has completed the historical shoreline position data/changes.
- AMA continued with the alternative refinements.

Future Work Anticipated in September:

- MES will distribute the final highlights/action items from the July 27th meeting to the team.
- MES /AMA will attend the modeling meeting on September 23rd.

Task 12 - Process Numerical Modeling (MES/ERDC)

- MES and ERDC participated in the SMS and IMS Workshop August 9-11th, and team meeting on the afternoon of August 11th. MES will record highlights/action items for this meeting.
- On August 8th, MES submitted the draft highlights/action items from the July 27th meeting to the team for review/comment.
- On August 12th, MES submitted copies of the sign in sheets from the July 27th and August 11th meetings to the team.
- On August 18th, MES received a monthly status report from ERDC.
- On August 23rd, MES submitted a draft of the highlights/action items from the August 11th meeting to the team for review/comment.
- ERDC completed STWAVE grid development and runs for James Island Alts 4, 5, and 6, for use in the shoreline impact analysis, and in the hydrodynamics and sediment transport simulations. ERDC completed grid development for Barren Island Alts. 2, 4, 5, and 6, and performed runs to provide input for the sediment transport calculations.
- ERDC revised and refined the bathymetry grid to improve representation of the Honga River Channel and Access Channel to James Island, and dike and island elevations for James Island.
- ERDC began hydrodynamic and sediment transport run file preparation. Work was limited because of power loss and internet access loss associated with Hurricane Katrina.

Future Work Anticipated in September:

- MES will submit a final highlights/action items from the team meeting on August 11th to the team.
- ERDC will complete STWAVE runs for shoreline impact assessment for Alts 2, 4, 5, and 6.
- ERDC will complete all storm-related hydrodynamic and sediment transport runs.

- ERDC will complete tide-only hydrodynamic and sediment transport runs.
- Begin integrated analysis of calculation results and report contributions.
- ERDC will support contractor team members in running of alternative simulations and variations based on information received at the workshop.
- ERDC and MES will participate in the September 23rd full-team meeting, presently scheduled at MES. MES will record highlights/action items.

Invoiced for August 2005: \$53,435.98

Total Amount Invoiced as of August 31, 2005: \$1,408,946.02

Contract Amount Remaining as of August 31, 2005: \$868,515.75

Task 8 (EIS):

55% Complete (Total through Crmt. FY 06)

45% Var./Balance (through Crmt. FY06)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Poplar Island GRR Evaluation
MPA Project Manager: Nathaniel K. Brown

Assignee (s) Consultants/Contractors): Gahagan and Bryant Associates
Contract Period: 02/15/05- 12/31/06

| Budget Line # | PIN # | Contract # | Task #, Name: |
|---------------|----------|------------|---------------------------------------|
| 1155 | 54100010 | 502820A1 | Task #7, Poplar Island GRR Evaluation |

Project Budget (Total): \$261,951
Revisions: **Revision #:**

Task Balance:
\$195,126

% Complete-Work (Total): 30% **% Expended (Total):** 25.51%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): | % Expended (Crnt. FY) | % Var./Balance |
|-----------------------|----------------------------|-----------------------|----------------|
| 25% | 75% | 10.46% | 89.54% |

Project Goal(s):

- To consider alternatives to expand the existing dredged material capacity at the existing Poplar Island Environmental Restoration Project, as well as other environmental and recreational improvements.

Project Objectives:

- This study will take into account modifications to the existing Poplar Island Environmental Restoration Project. Potential modifications could include: raising the existing dikes around the upland cells, constructing an expansion of the project footprint, environmental enhancements on the island and within Poplar Harbor, increased recreational opportunities, redefining criteria for placement of dredged materials at Poplar Island.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Poplar Island GRR Evaluation
Task #, Name: #7, Poplar Island GRR Evaluation

Project Status – Issues/Solutions (both required):

- GBA provided planning services for PIE Value Engineering.
- GBA personnel attended and provided the minutes to a November 15th meeting on value engineering with MPA.
- GBA staff also developed quantity and cost estimates for the Maryland Value Engineering Design.

Signature/Date:

 12/29/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: MPA Project Manager:

Poplar Island GRR Evaluation Nathaniel K. Brown

Assignee (s) Consultants/Contractors): **Contract Period:**

EA Engineering & Science Assocs. 02/15/05- 12/31/06

| Budget Line # | PIN # | Contract # | Task #, Name: |
|---------------|----------|------------|---------------------------------------|
| 1160 | 54100010 | 502820B | Task #7, Poplar Island GRR Evaluation |

Project Budget (Total): **Revisions:** **Revision #:**

\$33,501

Task Balance:

\$31,604

% Complete-Work (Total): **% Expended (Total):**

29% 5.66%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): | % Expended (Crnt. FY) | % Var./Balance |
|-----------------------|----------------------------|-----------------------|----------------|
| 9% | 91% | 3.79% | 96.21% |

Project Goal(s):

- To consider alternatives to expand the existing dredged material capacity at the existing Poplar Island Environmental Restoration Project, as well as other environmental and recreational improvements.

Project Objectives:

- This study will take into account modifications to the existing Poplar Island Environmental Restoration Project. Potential modifications could include: raising the existing dikes around the upland cells, constructing an expansion of the project footprint, environmental enhancements on the island and within Poplar Harbor, increased recreational opportunities, redefining criteria for placement of dredged materials at Poplar Island.

Project Status Report Form

Prepared by

Harbor Development

Project Name: Poplar Island GRR Evaluation

Task #, Name: #7, Poplar Island GRR Evaluation

Project Status – Issues/Solutions (both required):

- Little activity this period other than management activities and additional follow-up on EFH issue and EIS issues.

Signature/Date:

Richard L. Pinn 12/29/05
(MPA Project Manager)

**Project Status Report Form
Prepared by
Harbor Development**

Project Name: DMCF Water Quality Evaluation
Task #, Name: #61, DMCF Water Quality Evaluation

Project Name: MPA Project Manager:
 DMCF Water Quality Evaluation Nathaniel K. Brown

Assignee (s) Consultants/Contractors): Contract Period:
 Maryland Environmental Service 08/01/05-12/31/06

| | | | |
|----------------------|--------------|-------------------|------------------------------------|
| Budget Line # | PIN # | Contract # | Task #, Name: |
| 1085 | 54000010 | 500912 | #61- DMCF Water Quality Evaluation |

Project Budget (Total): Revisions: Revision #:
 \$130,608

Task Balance:
 \$129,548

% Complete-Work (Total): % Expended (Total):
 15% 0.81%

| | | | |
|------------------------------|-----------------------------------|------------------------------|-----------------------|
| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): | % Expended (Crnt. FY) | % Var./Balance |
| 15% | 85% | 1.72% | 98.28% |

Project Goal(s):

- To conduct water quality studies at HMI, Cox Creek and PIERP to meet compliance with discharge permits and MDE guidance.

Project Objectives:

- To conduct a mixing zone study at HMI to meet the requirements of the discharge permit.
- To draft a report on metals toxicity analysis at PIERP to address MDE concerns.
- To provide technical support to MES in developing ideas and identifying opportunities for nutrient reduction projects, if requested. This will include quantifying the amount of nutrients reduction for each project and assistance with writing the plan.

Project Status Report Form
Prepared by
Harbor Development

Project Name: DMCF Water Quality Evaluation
Task #, Name: #61, DMCF Water Quality Evaluation

Project Status – Issues/Solutions (both required):

Issues

- MDE's response to the initial nutrient reduction plan was unfavorable for the use of existing MPA funded projects (i.e. oyster restoration funding) for mitigation. MDE requested that the MPA create a more detailed plan, quantify the amount of nutrient reduction, and assist with the funding of additional nutrient reduction projects.

Solutions

- MPA and MES determined that contingent Task 61.2.5 "Nutrient Reduction Plan Assistance" would be made a non-contingent task so that EA could assist with the development of a revised nutrient reduction plan.

MES Activities:

- Performed contractor oversight and management.
- October progress report for MPA.
- Relayed summary of EA's conversation with MDE to MPA.
- Began coordination with MPA for a follow-up meeting on the NRP.

Contractor (EA) Activities:

- Conducted a site visit of HMI for mixing zone study
- Began running models for the mixing zone study and drafting report.

Future Activities:

- MES will continue subcontractor oversight and management, including report review, subcontractor management and invoice payment and schedule oversight.
- A follow up meeting regarding the NRP will be scheduled, once MPA reviews the information from the MDE conversation.
- EA will submit the mixing zone study in early December.

Signature/Date:

Nathan H. B... 12/29/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island North Cell Closure Support
Task #, Name: #60, Hart-Miller Island North Cell Closure Support

Project Name: Hart-Miller Island North Cell Closure Support
MPA Project Manager: Nathaniel K. Brown

Assignee (s) Consultants/Contractors): Maryland Environmental Service
Contract Period: 07/01/05-06/30/06

| Budget Line # | PIN # | Contract # | Task #, Name: |
|---------------|----------|------------|--|
| 1085 | 54000010 | 500912 | #60, Hart-Miller Island North Cell Closure Support |

Project Budget (Total): \$269,867
Revisions: Revision #:

Task Balance:
\$257,264

% Complete-Work (Total):
30%

% Expended (Total):
4.67%

% Complete (Crnt. FY) % Var./Balance (Crnt. FY):
30% 70%

% Expended (Crnt. FY) % Var./Balance
12.61% 87.39%

Project Goal(s):

- To develop a closure plan for the North Cell of HMI that would move into pre-feasibility studies in early 2006.

Project Objectives:

- To identify and assess existing and potential environmental conditions that may affect development of a closure scenario for the North Cell at HMI.
- To identify and assess dredged material placement strategies at HMI that may affect effective and efficient placement of dredged materials and other supplemental materials in the North Cell at HMI.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island North Cell Closure Support

Task #, Name: #60, Hart-Miller Island North Cell Closure Support

- Identify and quantify contaminant transport via pathways of runoff and leachate using the results of ongoing studies at HMI.
- Identify and assess the suitable solutions for the management and control of acid forming conditions.

Project Status – Issues/Solutions (both required):

Issues

- None.

Solutions

- None.

MES Activities:

- Incorporated comments and finalized the meeting summary for the NCCT meeting on September 20th
- Drafted a meeting summary and action items following the NCCT meeting on November 3rd.
- Finalized and coordinated follow up on action items from the NCCT meeting on November 3rd.
- MES forwarded the draft estimate of Operations & Maintenance costs with labor for the North and South cells and the rationale behind the Baseline Site Maintenance Cost derivations to M&N/OAS for use in the revised cost matrix.
- MES reviewed and coordinated follow-up on comments to the revised strawman cost matrix.
- MES prepared a status report for the month of October on November 15th.
- Coordinated planning and preparations for NCCT meeting on December 8, 2005 held at MPA.
- MES coordinated planning for a pre-NCCTWG meeting on December 9, 2005 held at MPA

Contractor (M&N / OAS) Activities:

- M&N/OAS revised the draft strawman cost matrix as requested by the NCCT at the November 3rd meeting.
- M&N/OAS participated in the NCCT meeting held on November 3rd.
- Coordinated data exchange amongst team members and prepared status reports

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island North Cell Closure Support
Task #, Name: #60, Hart-Miller Island North Cell Closure Support

Future Activities:

- M&N/OAS will participate in conference calls and meetings as required.
- M&N/OAS will draft a Presentation for January 17th NCCT WG meeting.
- M&N/OAS will revise the draft options matrix and incorporate NCCT comments.
- MES will prepare an agenda and meeting materials for the NCCT WG meeting to be held on January 17th.
- MES will submit a progress report for the month of November on December 15th.

Signature/Date: *Michael L. Pinn* 12/29/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: MPA Project Manager:

Poplar Island General Reevaluation Report Nathaniel K. Brown

Assignee (s) Consultants/Contractors): Contract Period:

Moffatt & Nichols (M&N)

02/15/05-12/31/06

| Budget Line # | PIN # | Contract # | Task #, Name: |
|---------------|----------|------------|--|
| 1165 | 54120010 | 502820C | Task #7, Poplar Island General Reevaluation Report |

Project Budget (Total): Revisions: Revision #:

\$209,086

Task Balance:

\$158,848

% Complete-Work (Total): % Expended (Total):

25% 24.03%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): | % Expended (Crnt. FY) | % Var./Balance |
|-----------------------|----------------------------|-----------------------|----------------|
| 25% | 75% | 31.26% | 68.74% |

Project Goal(s):

- Preparation of a General Reevaluation Review (GRR) for the expansion of Poplar Island to obtain funding authorization through a Water Resources Development Act (WRDA).

Project Objectives:

- Review the GRR as regards concepts, alternatives, alignments, and analyses for the Poplar Island Expansion (PIE) currently being performed by CENAB, focusing on dike sections, coastal protection, and impacts on tidal hydrodynamics, sedimentation, morphological change, wave refraction/diffraction and wave energy distribution. Provide input that will be used to develop plans for placement of dredged material within the expansion area and creation of tidal wetlands. Perform hydrodynamic, salinity, residence time, and sedimentation modeling to evaluate impacts of project on surrounding environment. The results of all the modeling studies will be presented in a Hydrodynamic Numerical Modeling Report. Using

Project Status Report Form
Prepared by
Harbor Development

the model, evaluate morphological changes in the vicinity of the project and assess the potential for long-term accumulation of sediments in the area. Model and evaluate wave refraction/diffraction and wave energy distribution differences for existing and with-project conditions. The results of all the modeling studies will be presented in a Hydrodynamic Numerical Modeling Report. Pertinent findings from the hydrodynamic, salinity, residence time, and sedimentation modeling will be incorporated in the GRR.

Project Name: Poplar Island General Reevaluation Report
Task #, Name: #7, Poplar Island General Reevaluation Report

Project Status – Issues/Solutions (both required):

- Continued review of final GRR received from CENAB.
- Attended meetings with project team to develop designs to improve project value.
- Worked on preparing report for the Value Engineering (VE) phase to be conducted in early 2006. Performed coastal and numerical modeling studies to evaluate expansion plan and MPA design, and provided input on MPA VE design development.

Signature/Date:  12/29/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: IGA – Mid Bay Island Study (MES)
Task #, Name: #3 (0313) – Barren Island Environmental

Project Name: IGA– Mid Bay Island Study (MES)
MPA Project Manager: Nathaniel K. Brown
Assignee (s) Consultants/Contractors): Maryland Environmental Service
Contract Period Relevant to this EPATS Task: 04/18/03-11/30/05

| Budget Line # | PIN # | Contract # | Task #, Name: |
|---------------|----------|------------|---|
| 1040 | 52280020 | 504804 | #3, Env. Field Studies & Cons. Env. Rep. (James Island) |

Project Budget (Total): \$409,969
Revisions: Revision #:

Task Balance:
\$0

| % Complete-Work (Total): | | % Expended (Total): | |
|--------------------------|----------------------------|-----------------------|----------------|
| 100% | | 100% | |
| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): | % Expended (Crnt. FY) | % Var./Balance |
| 100% | 0% | 0.0% | 0% |

Project Goal(s):

- To develop environmental conditions and consolidated report documentation supportive of third and fourth quarter environmental work of a feasibility level study for proposed James Island Restoration project.

Project Objectives:

- Perform the third and fourth quarters of a feasibility level environmental conditions study for a proposed island restoration project at James Island, including production of a consolidated report on four seasonal quarters of data.

Project Status Report Form
Prepared by
Harbor Development

Project Name: IGA – Mid Bay Island Study (MES)
Task #, Name: #3 (0313) – Barren Island Environmental
Project Status – Issues/Solutions (both required):

**Environmental Field Studies and Consolidated Environmental Report
(MES, Harms, BBL, AMA)**

*Subtask 3.9 Task Planning, Technical, Environmental and Administrative
Services (MES)*

- Task is completed. No further activity to report.

*Subtask 3.10 – 3.15: Subcontracted Services for Feasibility-Level
Environmental Conditions Studies for a Potential Island Restoration Project at
Barren Island – Third and Fourth Seasons of Sampling (BBL)*

- Task is completed. No further activity to report.

*Subtask 3.16: Subcontracted Services for Pop Netting at Barren Island
(AMA)*

- Task is completed. No further activity to report.

Signature/Date:


(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: IGA – Mid Bay Island Study (James Island)
Task #, Name: #3 – Env. Field Studies & Cons. Env. Report (James Island)

Project Name: MPA Project Manager:

IGA– Mid Bay Island Study (James Island) Nathaniel K. Brown
Env. Field Studies & Sons. Env. Rep., Task
#3

Assignee (s) Consultants/Contractors): Contract Period Relevant to this
EPATS Task:
Maryland Environmental Service 11/01/02-11/30/05

| Budget Line # | PIN # | Contract # | Task #, Name: |
|---------------|----------|------------|--|
| 1040 | 52280020 | 504804 | #3, Env. Field Studies & Cons. Env. Rep. (James Island) |

Project Budget (Total): Revisions: Revision #:

\$335,931

Task Balance:

\$46,435

% Complete-Work (Total): % Expended (Total):

99%

86.18%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): | % Expended (Crnt. FY) | % Var./Balance |
|-----------------------|-------------------------------|--------------------------|----------------|
| 99% | 1% | 19.31% | 80.69% |

Project Goal(s):

- To develop environmental conditions and consolidated report documentation supportive of third and fourth quarter environmental work of a feasibility level study for proposed James Island Restoration project.

Project Objectives:

- Perform the third and fourth quarters of a feasibility level environmental conditions study for a proposed island restoration project at James Island, including production of a consolidated report on four seasonal quarters of data.

Project Status Report Form
Prepared by
Harbor Development

Project Name: IGA – Mid Bay Island Study (James Island)
Task #, Name: #3 – Env. Field Studies & Cons. Env. Report (James Island)

Project Status – Issues/Solutions (both required):

Environmental Field Studies and Consolidated Environmental Report (MES, Harms, BBL, AMA)

Subtasks 3.1 – 3.8 (James Island):

Subtask 3.1 - Task Planning, Technical, Environmental and Administrative Services (MES)

- No activity during this period.

Future Work Anticipated:

- No activity is anticipated at this time.

Subtasks 3.2-3.7 Subcontracted Services for Feasibility-Level Environmental Conditions Studies for a Potential Island Restoration Project at James Island – Third and Fourth Seasons of Sampling (Harms)

- Task is completed. No further activity to report.

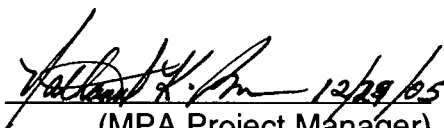
Future Work Anticipated:

- Task is completed. No further activity to report.

Subtask 3.8 Subcontracted Services for Pop Netting at James Island (AMA)

- Task is completed. No further activity to report.

Signature/Date:


(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:
**Integrated Feasibility and EIS
Documentation**
This project is included under IGA –Mid Bay
Island Study (MES)

MPA Project Manager:
Nathaniel K. Brown

Assignee (s) Consultants/Contractors):
Maryland Environmental Service

**Contract Period Relevant to this
EPATS Task:**
07/01/04 – 11/30/05

| Budget Line # | PIN # | Contract # |
|----------------------|--------------|-------------------|
| 1040 | 52280020 | 504804 |

Task #, Name:
**#8, Integrated Feasibility and
EIS Documentation**

Project Budget (Total):
\$436,517

Revisions: Revision #:

Task Balance:
\$300, 077

% Complete-Work (Total):
70%

% Expended (Total):
31.26%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): |
|----------------------------------|---------------------------------------|
| 30% | 70% |

| % Expended (Crnt. FY) | % Var./Balance |
|----------------------------------|-----------------------|
| 4.51% | 95.49% |

Project Goal(s):

This study will focus on restoring hundreds of acres of aquatic and terrestrial habitat for fish, shellfish, reptiles, amphibians, birds and mammals and will include concepts consisting of wetland and upland components.

Project Objectives:

- Project documentation will be in the form of an Integrated Feasibility and Environmental Impact Statement (EIS).
- MES will provide technical coordination and integration services for regulatory compliance relative to the provisions of the federal water pollution control act (FWPCA) and National Environmental Policy Act (NEPA).
- Contract management services and planning and coordination services will be provided.
- Presentation development services will be provided.

Project Status Report Form
Prepared by
Harbor Development

Project Name:
**Integrated Feasibility and EIS
Documentation**

MPA Project Manager:
Nathaniel K. Brown

This project is included under IGA –Mid Bay
Island Study (MES)

- Writing, assembly and production of draft and final environmental documentation for the Mid Bay Islands Integrated Feasibility and Environmental Impact Statement will be provided.

Project Status – Issues/Solutions (both required):

- MES coordinated with the Corps on needed revisions to the EIS and to determine the latest schedule for the document to go to headquarters.

Future Work Anticipated in December/January:

- MES will assist as needed with revising any text of the EIS as requested by the Corps.
- MES will coordinate with the Corps as to when the draft EIS should be submitted to Corps Headquarters.
- When the draft report is ready to go to Headquarters, MES will coordinate with an outside printing company to receive the appropriate number of copies of the report.
- MES will coordinate with the Corps to get the reports to Headquarters.

Signature/Date:

Nathaniel K. Brown 12/29/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

**Project Name: Port of Baltimore Air Emissions reg. Compliance
Technical Support**

**Task #, Name: #57 Port of Baltimore Air Emissions reg. Compliance
Technical Support**

Project Name:

MPA Project Manager:

**Port of Baltimore Air Emissions Reg. Compl.
Tech Support**

(This project is included under MES Open Ended
Consulting EPATS)

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Contract Period:

**Maryland Environmental Service/Edwards
& Kelcey (E & K)**

07/01/05-06/30/07

| Budget Line # | PIN # | Contract # |
|---------------|----------|------------|
| 1085 | 54000010 | 500912 |

Task #, Name:
**#57, Port of Balto. Air Emissions
Reg. Compl. Tech Support**

Project Budget (Total):

Revisions: Revision #:

\$437,132

Task Balance:

\$428,684

% Complete-Work (Total):

% Expended (Total):

1.93%

1.93%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): |
|-----------------------|-------------------------------|
| 1.93% | 98.10% |

| % Expended (Crnt. FY) | % Var./Balance |
|--------------------------|----------------|
| 7.04% | 92.96% |

Project Goal(s):

- To comply with air emissions requirements from Port activities, to assist the Port in decision-making regarding air quality issues and regulation on the Baltimore non-attainment area.
- To produce a report on objective and criteria for selecting and prioritizing emission reduction measures related to emissions from ship and MPA operations in the Port of Baltimore.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Port of Baltimore Air Emissions req. Compliance
Technical Support

Task #, Name: #57 Port of Baltimore Air Emissions req. Compliance
Technical Support

Project Objectives:

- To gather information on air emissions from Port activities.
- To investigate and identify possible targets for reductions in air emissions from Port activities.
- To produce reports that can be management tools in identifying objectives and criteria to reduce emissions from Port activities.

Project Status – Issues/Solutions (both required):

MES Tasks—November 2005:

- MES performed project management and subcontractor oversight duties.
- MES submitted the draft October 19th meeting minutes to MPA on November 1st.
- MES received a monthly status report from TA/E&K on November 7th.
- MES received copies of the Draft Final Phase III Report from EK and forwarded 5 hard copies and 5 CD-ROM copies of the report to MPA on November 8th.
- MES submitted a monthly status report to MPA on November 14th.
- MES mailed an additional 5 hard copies and 5 CD-ROM copies of the draft final Phase III report to the MPA on November 15th.
- MES received letter from TA/EK requesting additional Task 57 funding on November 21st for additional research, and editing of the report.
- MES finalized and distributed the October 19th meeting minutes to MPA and EK on November 28.
- On November 30th, MES communicated a funding authorization request to MPA for additional research, revisions, and editing done by EK.

TA/E&K Tasks—November 2005:

- EK reviewed and submitted comment to the draft October 19 meeting minutes to MES on November 1st.
- Delivered 15 hard copies and 13 CD-ROMs of the Draft Final Phase III Report (October 31, 2005) to MES on November 4th.
- Developed and submitted a justification letter to MES on November 21st for additional Task 57.2.4 funding in accordance with discussions held between MES and EK.
- Continued coordination with MES regarding Task 57.2.4 – Air Emissions Compliance budget revision.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Port of Baltimore Air Emissions reg. Compliance
Technical Support

Task #, Name: #57 Port of Baltimore Air Emissions reg. Compliance
Technical Support

- Follow-up coordination with Port of Los Angeles (POLA) on their tugboat retrofiting program.
- Maintained liaison with MES and T.A. Engineering with regards to progress, comments, and contractual issues.

Future Work for December/January 2005:

- MES and EK will prepare for and attend a meeting held at MPA on December 12th.
- MES will draft meeting minutes from the December 12th meeting.
- EK will prepare responses to MDOT comments to the Draft Final Phase III Report and distribute these responses to the team for review prior to submitting them to MDOT.
- MES will attend the Air Quality Conference at MDE on December 16th.

MES anticipates receiving MPA approval for the funding request submitted on November 30th and will send T&E&K a Notice to Proceed.

Signature/Date: *Nathaniel L. Brown* 12/29/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:
South Locust Point Entrance Channel
Dredging

MPA Project Manager:
Nathaniel K. Brown

Assignee (s) Consultants/Contractors):
Maryland Environmental Service

**Contract Period Relevant to this
EPATS Task:**
02/21/05-12/31/05

| Budget Line # | PIN # | Contract # |
|---------------|----------|------------|
| 1085 | 54000010 | 500912 |

Task #, Name:
South Locust Point Entrance
Channel Dredging, Task # 54

Project Budget (Total):
\$303,780

Revisions: Revision #:

Task Balance:
\$87,730

% Complete-Work (Total):
85%

% Expended (Total):
71.12%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): |
|--------------------------|-------------------------------|
| 85% | 15% |

| % Expended (Crnt. FY) | % Var./Balance |
|--------------------------|----------------|
| 9.36% | 90.64% |

Project Goal(s):


Provide geotechnical investigations, hydrographic surveys, channel design and engineering, preparation of bid documents, quality assurance quality control review of engineering deliverables and provide project management and oversight in support of South Locust Point access channel design and dredging.

Project Objectives:

1. Design the South Locust Point Access channel so that it accommodates the cruise industry;
2. Perform multiple hydrographic surveys over the proposed areas;
3. Characterize the sediments in the South Locust Point Access through test borings, sampling and analysis;
4. Interpret the geotechnical data to determine physical properties;
5. Prepare a channel design;
6. Prepare a bid document for the procurement of a dredging contractor, in the event that the MPA chooses to procure a dredging contractor through MES.

Project Status – Issues/Solutions (both required):

- During the month of November 2005, MES continued to provide project oversight on the SLP project. MES processed a GBA invoice in the amount of \$8,762 for worked performed during the month of October 2005.
- During the month of November MES attended a progress meeting on November 16, 2005 at HMI to discuss the status of the South Locust Point dredging project.
- Dredging activities and unloading of the dredged material into Hart Miller Island were underway. Mobilization occurred at the end of October 2005 and dredging/inflow activities are anticipated to begin in early November 2005. The anticipated future work includes completed the dredging and inflow activities around Thanksgiving. After dredge survey to be conducted shortly after the completion of dredging activities.

Signature/Date:  12/29/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Cox Creek Permit Assistance
Task #, Name: #52 – Cox Creek Permit Assistance

Project Name:
Cox Creek Permit Assistance
(This project is included under MES Open
Ended Consulting EPATS)

MPA Project Manager:
Nathaniel K. Brown

Assignee (s) Consultants/Contractors):
Maryland Environmental Service

**Contract Period Relevant to this
EPATS Task:**
10/21/04 - 12/31/05

| Budget Line # | PIN # | Contract # |
|---------------|---------|------------|
| 1085 | 5400010 | 500912 |

Task #, Name:
**#52, Cox Creek Permit
Assistance**

Project Budget (Total):

Revisions: Revision #:

\$58,077

Task Balance:

\$49,011

% Complete-Work (Total):

% Expended (Total):

16%

15.61%

**% Complete (Crnt. FY) % Var./Balance
(Crnt. FY):**

**% Expended % Var./Balance
(Crnt. FY)**

16%

84%

5.99%

94.01%

Project Goal(s):

Provide assistance with permit provisions addressed within the Cox Creek Discharge Permit, particularly Special Condition S – Groundwater study.

Project Objectives:

1. Develop a plan to verify that offsite groundwater conditions will not be impacted by the operations of a dredged material containment facility.
2. Develop a groundwater study plan;
3. Develop a groundwater water report;
Based on the findings of the groundwater study plan, the groundwater report, and MDE feedback, perform groundwater monitoring and reporting

Project Status Report Form
Prepared by
Harbor Development

Project Name: Cox Creek Permit Assistance
Task #, Name: #52 – Cox Creek Permit Assistance

Project Status – Issues/Solutions (both required):
Issues

- During the month of November MES followed up with MPA on the status of the Final version of the Cox Creek Dredged Material Containment Facility (DMCF) Groundwater Study Plan that MPA submitted to MDE. There has been no progress on the MDE review of this plan to date.
- MES drafted the November 2005 status report and submitted it to MPA.
- MES/MPA is awaiting a response from MDE on the Cox Creek DMCF Groundwater Study Plan that was submitted in July.

Signature/Date:

Nathaniel K. Brown 12/29/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:
Characterization of Sediments, New Work
Projects – Inner Harbor
(This project is included under MES Open
Ended Consulting EPATS), Task #45

MPA Project Manager:
Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Maryland Environmental Service

**Contract Period Relevant to this
EPATS Task:**
01/01/04-12/31/05

| Budget Line # | PIN # | Contract # |
|----------------------|--------------|-------------------|
| 1085 | 5400010 | 500912 |

Task #, Name:
#45, Character. Of Sediments,
New Work Projects- Inner
Harbor

Project Budget (Total):

\$679,228

Revisions: Revision #:

Task Balance:

\$89,487

% Complete-Work (Total):

84%

% Expended (Total):

86.83%

**% Complete (Crnt.
FY)**

84%

**% Var./Balance (Crnt.
FY):**

16%

**% Expended
(Crnt. FY)**

76.70%

% Var./Balance

23.30%

Project Goal(s):

Characterize the harbor sediments in the Dundalk Marine Terminal (DMT),
Seagirt, and Masonville Terminal New Work Areas. This characterization will
identify the physical, chemical and cap related test properties to identify the
quality of the sediments. These results from this characterization will be
evaluated to determine appropriate placement options.

Project Status Report Form

Prepared by

Harbor Development

Project Name: Characterization of Sediments, New Work Projects – Inner Harbor

Task #, Name: #45, Character. of Sediments, New Work Projects- Inner Harbor

Project Objectives:

1. Develop a site safety and health plan, field sampling plan, and quality assurance project plan for this project;
2. Mobilize a barge and sampling equipment in the Harbor to perform borings and obtain samples;
3. Characterize the harbor sediments in the proposed new work dredging areas through test borings, sampling and analysis;
4. Interpret the laboratory analyses to determine the quality of the chemical, physical and cap related test properties;
5. Prepare a report that summarizes the finding to facilitate appropriate placement options of the dredged material.

Project Status- Issues/Solutions (both required):

- MES continues to await feedback from MPA regarding the email memo submitted on July 6, 2005 regarding an independent third party calculation of the sand volume calculations.

MES Activities:

- MES has suggested that the funds planned for third party QA/QC of the sand volume calculations be spent instead on collection of additional geotechnical information.
- MES completed the October progress report.
- On 09/14/05 MES forwarded a memo to MPA discussing MES' recommendations on the next step in developing the Seagirt sand volume calculations. MES recommended additional borings instead of QA/QC analysis in October. In a follow-up conversation between MES and MPA, MPA decided to finalize Task 45 with the draft Dundalk/Seagirt sediment report and make a determination regarding additional borings next year.
- MES received the draft Dundalk/Seagirt sediment report and began reviewing the report on November 11, 2005.

Contractor Activities:

- EA completed preparing the draft Dundalk/Seagirt sediment report and submitted the report to MES for review on November 11, 2005.

Future Activities:

- MES will finish reviewing the draft Dundalk/Seagirt report in December for submittal to MPA after any necessary revisions are made in January 2006.

Project Status Report Form
Prepared by
Harbor Development

Signature/Date: *Antonia L. Brown 12/29/05*
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: MPA Project Manager:

Poplar Island Expansion Feasibility Study Nathaniel K. Brown
(This project is included under MES Open
Ended Consulting EPATS)

Assignee (s) Consultants/Contractors): **Contract Period:**

Maryland Environmental Service 08/01/03-06/30/06

| Budget Line # | PIN # | Contract # | Task #, Name: |
|---------------|----------|------------|--|
| 1085 | 54000010 | 500912 | Task #44, Poplar Island Expansion Feasibility Study |

Project Budget (Total): **Revisions:** **Revision #:**

\$117,752

Task Balance:

\$19,452

% Complete-Work (Total): **% Expended (Total):**

92% 83.48%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): | % Expended (Crnt. FY) | % Var./Balance |
|-----------------------|-------------------------------|--------------------------|----------------|
| 90% | 10% | 20.36% | 79.64% |

Project Goal(s):

- To consider alternatives to expand the existing dredged material capacity at the existing Poplar Island Environmental Restoration Project, as well as other environmental and recreational improvements.

Project Objectives:

- This study will take into account modifications to the existing Poplar Island Environmental Restoration Project. Potential modifications could include: raising the existing dikes around the upland cells, constructing an expansion of the project footprint, environmental enhancements on the island and within Poplar Harbor, increased recreational opportunities, redefining criteria for placement of dredged materials at Poplar Island.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Poplar Island Expansion Feasibility Study
Task #, Name: #44, Poplar Island Expansion Feasibility Study

Project Status – Issues/Solutions (both required):

Subtask 44.1 Task Planning, Technical, Environmental and Administrative Services for the Poplar Island Expansion Project Management Plan Feasibility Studies (MES)

- MES submitted a monthly status report to MPA on October 14th.
 - MES submitted a contract closeout letter to EA for their work on Task 44 on October 10th.
 - MES attended the October 20th PIES meeting and recorded meeting notes.
 - MES distributed the draft-meeting summary from the October 20th meeting to the team on October 31st.
 - Future Work Anticipated in November:
 - MES will submit a monthly status report in mid-November.
 - MES will incorporate comments and finalize the draft-meeting summary from the October 20th meeting.
 - MES submitted a monthly status report to MPA on November 15th.
- Future Work Anticipated in December:
- MES will submit a monthly status report in mid-December.
 - MES will perform a literature search to determine abundance and location of fish in the waters surrounding Poplar Island.

Subtask 44.2 Poplar Island Expansion Feasibility Project Management Planning Support (EA/GBA):

- There is no further activity to report for EA.

Signature/Date: *Nathaniel L. P...* 12/29/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island Ph Study
Task #, Name: #38, Hart-Miller Island Ph Study

Project Name: Hart-Miller Island Ph Study
MPA Project Manager: Nathaniel K. Brown

Assignee (s) Consultants/Contractors): Maryland Environmental Service
Contract Period: 2/01/03-06/30/05

| Budget Line # | PIN # | Contract # | Task #, Name: |
|---------------|----------|------------|----------------------------------|
| 1085 | 54000010 | 500912 | #38, Hart-Miller Island Ph Study |

Project Budget (Total): \$243,220
Revisions: Revision #:

Task Balance:

\$3,015

% Complete-Work (Total): 100%
% Expended (Total): 98.76%

100%

98.76%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): | % Expended (Crnt. FY) | % Var./Balance |
|-----------------------|----------------------------|-----------------------|----------------|
| 100% | 0% | 31.41% | 68.59% |

Project Goal(s):

- To review existing and potential conditions in dredged material containment that may cause acid forming conditions and to assess potential laboratory and pilot tests to aid in the design of site management and operational procedures to manage and control the acid forming conditions.

Project Objectives:

- To identify and assess existing and potential conditions that may cause acid forming conditions at HMI.
- To identify and assess dredging and dredged material containment operations that may cause acid forming conditions at HMI.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island Ph Study

Task #, Name: #38, Hart-Miller Island Ph Study

- Identify and quantify contaminant transport via pathways of runoff and leachate using the results of ongoing studies at HMI.
- Identify and assess the suitable solutions for the management and control of acid forming conditions; and to identify and assess potential laboratory and pilot tests to aid in the design of site management and operational procedures to manage and control Ph formations.

Project Status – Issues/Solutions (both required):

Issues/ Solutions/ MES Activities:

- None

NOTE: With the finalization of the subcontractor's White Paper, all work under EPATS Task 38 has been completed. Continued work supporting the planning for the North Cell closure will be conducted under EPATS Task 60, which will commence in late August 2005.

- All future activities related to the NCCT and NCCWG will be completed under EPATS Task 60.
- Total October 2005 Invoice: **NO INVOICE**
- See the attachment to this email.

Signature/Date:  12/29/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Analysis of Emissions from Ship & Port Operations – Study Phase II

Task #, Name: #15, Analysis of Emissions from Ship & Port Operations – 2ndPhase

Project Name:

MPA Project Manager:

Analysis of Emissions from Ship & Port Operations – Third Phase

(This project is included under MES Open Ended Consulting EPATS)

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Contract Period:

Maryland Environmental Service/Edwards & Kelcey (E & K)

12/15/00-12/31/05

| Budget Line # | PIN # | Contract # |
|----------------------|--------------|-------------------|
| 1085 | 54000010 | 500912 |

Task #, Name:
#15, Anal. Of Emissions from Ship & Port Ops. –3rd Phase

Project Budget (Total):

Revisions: Revision #:

\$174,131

Task Balance:

(\$617)

% Complete-Work (Total):

% Expended (Total):

100%

100.35%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): |
|------------------------------|-----------------------------------|
| 102% | -2% |

| % Expended (Crnt. FY) |
|------------------------------|
| 71.18% |

| % Var./Balance |
|-----------------------|
| 28.82% |

Project Goal(s):

- To produce a report on air emissions from Port activities, to assist the Port in decision-making regarding air quality issues and regulation on the Baltimore non-attainment area.
- To produce a report on objective and criteria for selecting and prioritizing emission reduction measures related to emissions from shop and MPA operations in the Port of Baltimore.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Analysis of Emissions from Ship & Port Operations – Study Phase II

Task #, Name: #15, Analysis of Emissions from Ship & Port Operations – 2ndPhase

- To produce a report on possible demonstration scale implementation of catalytic after-treatment technologies on tugboats operating in the POB; and to investigate idle reduction technologies for intermodal trucking operations serving the POB.

Project Objectives:

- To gather information on air emissions from Port activities.
- To investigate and identify possible targets for reductions in air emissions from Port activities.
- To produce reports that can be management tools in identifying objectives and criteria to reduce emissions from Port activities.

Project Status – Issues/Solutions (both required):

MES Tasks—October 2005:

- No activity to report since last status report.

E&K Tasks—November 2005:

- No activity to report since last status report.

Future Work:

- No activity as this task will be closed.

Signature/Date: Nathaniel K. Brown 12/29/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 23rd Year Monitoring Contract

Task #, Name: HMI 23rd Year Monitoring Contract

Project Name: _____ **MPA Project Manager:**

23rd Year Monitoring Contract

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Contract Period:

Maryland Dept. of the Environment

7/01/04-12/31/06

Budget Line # PIN # Contract #

Task #, Name:

710

50030020

293644

**23rd Year Monitoring Contract,
(MDE)**

Project Budget (Total):

Revisions: Revision #:

\$321,944

Task Balance:

\$143,744

% Complete-Work (Total):

% Expended (Total):

40%

55.35%

**% Complete (Crnt. FY) % Var./Balance
(Crnt. FY):**

**% Expended
(Crnt. FY)**

% Var./Balance

40%

60%

1.67%

98.33%

Project Goal(s):

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

Project Objectives:

- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.

Project Status Report Form
Prepared by
Harbor Development

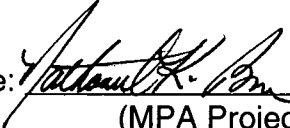
Project Name: HMI 23rd Year Monitoring Contract

Task #, Name: HMI 23rd Year Monitoring Contract

Project Status – Issues/Solutions (both required):

- The first field sampling has been conducted. MDE sampled on September 24, CBL and MGS sampled on Sept. 23rd and 24th. The second field sampling was conducted on 13th of April 2005.
- Sorting and Benthic IDs for the spring and fall samples is complete. Identifications for the fall sampling are complete and less than 20 IDs for the spring remain.
- Sediment and tissue analyses are proceeding as scheduled.
- The most recent invoice on this project year was received on 10/01/05.
- There have been no other significant reported changes or activities since the last reporting period.

Signature/Date:

 12/29/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 22nd Year Monitoring Contract

Task #, Name: HMI 22nd Year Monitoring Contract

Project Name: _____ **MPA Project Manager:** _____

HMI 22nd Year Monitoring Contract **Nathaniel K. Brown**

Assignee (s) Consultants/Contractors): _____ **Contract Period:** _____

Maryland Dept. of the Environment **7/01/03-12/31/05**

| Budget Line # | PIN # | Contract # | Task #, Name: |
|----------------------|--------------|-------------------|---|
| 705 | 50030020 | 293644 | 22nd Year Monitoring Contract, (MDE) |

Project Budget (Total): _____ **Revisions:** _____ **Revision #:** _____

\$320,719

Task Balance:

\$60,863

% Complete-Work (Total):

85%

% Expended (Total):

81.02%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): |
|------------------------------|---------------------------------------|
| 85% | 15% |

85%

| % Expended (Crnt. FY) | % Var./Balance |
|----------------------------------|-----------------------|
| 14.22% | 85.78% |

14.22%

% Var./Balance

85.78%

Project Goal(s):

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

Project Objectives:

- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 22nd Year Monitoring Contract

Task #, Name: HMI 22nd Year Monitoring Contract

Project Status – Issues/Solutions (both required):

- The summer sampling for Year 22 was completed in September 2003.
- No unusual conditions or delays have befallen the project.
- Sorting of benthic macroinvertebrates in the lab is complete.
- Identification of benthic organisms has begun.
- All samples have been collected by MGS and CBL and analyses have begun.
- A no-cost extension was submitted to and approved by MPA extending the contract period through December 2005.
- Draft reports are currently being drafted and are scheduled to be submitted to MPA by the end of December 2005.
- There has been no additional reported change since last month's report.

Signature/Date:

Anthony L. Poma 12/29/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:
South Locust Point Entrance Channel
Dredging

MPA Project Manager:
Nathaniel K. Brown

Assignee (s) Consultants/Contractors):
Maryland Environmental Service

**Contract Period Relevant to this
EPATS Task:**
02/21/05-12/31/05

| Budget Line # | PIN # | Contract # |
|----------------------|--------------|-------------------|
| 1085 | 54000010 | 500912 |

Task #, Name:
South Locust Point Entrance
Channel Dredging, Task # 54

Project Budget (Total):
\$303,780

Revisions: Revision #:

Task Balance:
\$98,271

% Complete-Work (Total):

85%

% Expended (Total):

67.65%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): | % Expended (Crnt. FY) | % Var./Balance |
|----------------------------------|---------------------------------------|----------------------------------|-----------------------|
| 85% | 15% | 3.81% | 96.19% |

Project Goal(s):

Provide geotechnical investigations, hydrographic surveys, channel design and engineering, preparation of bid documents, quality assurance quality control review of engineering deliverables and provide project management and oversight in support of South Locust Point access channel design and dredging.

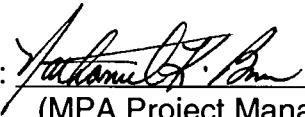
Project Objectives:

1. Design the South Locust Point Access channel so that it accommodates the cruise industry;
2. Perform multiple hydrographic surveys over the proposed areas;
3. Characterize the sediments in the South Locust Point Access through test borings, sampling and analysis;
4. Interpret the geotechnical data to determine physical properties;
5. Prepare a channel design;
6. Prepare a bid document for the procurement of a dredging contractor, in the event that the MPA chooses to procure a dredging contractor through MES.

Project Status – Issues/Solutions (both required):

- During the month of September 2005, MES continued to provide project oversight on the SLP project. MES processed a GBA invoice in the amount of \$1,845 for work performed during the month of July. That work included attendance at the bid opening on July 7, 2005.
- During the month of September MES attended the pre construction meeting on September 12, 2005 to discuss the status of the South Locust Point dredging project.
- The anticipated future work includes progress meetings and the dredging is expected to begin in early October.

Signature/Date:

 10/25/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 22nd Year Monitoring Contract

Task #, Name: HMI 22nd Year Monitoring Contract

Project Name: _____ **MPA Project Manager:** _____

HMI 22nd Year Monitoring Contract **Nathaniel K. Brown**

Assignee (s) Consultants/Contractors): _____ **Contract Period:** _____

Maryland Dept. of the Environment **7/01/03-12/31/05**

| Budget Line # | PIN # | Contract # | Task #, Name: |
|----------------------|--------------|-------------------|---|
| 705 | 50030020 | 293644 | 22nd Year Monitoring Contract, (MDE) |

Project Budget (Total): _____ **Revisions:** _____ **Revision #:** _____

\$320,719

Task Balance:

\$150,310

% Complete-Work (Total):

80%

% Expended (Total):

53.13%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): |
|------------------------------|---------------------------------------|
| 80% | 20% |

80%

| % Expended (Crnt. FY) | % Var./Balance |
|----------------------------------|-----------------------|
| 0.00% | 100.00% |

0.00%

% Var./Balance

100.00%

Project Goal(s):

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

Project Objectives:

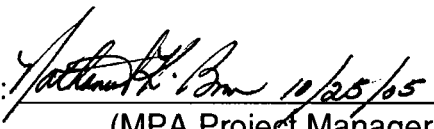
- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 22nd Year Monitoring Contract
Task #, Name: HMI 22nd Year Monitoring Contract

Project Status – Issues/Solutions (both required):

- The summer sampling for Year 22 was completed in September 2003.
- No unusual conditions or delays have befallen the project.
- Sorting of benthic macroinvertebrates in the lab is complete.
- Identification of benthic organisms has begun.
- All samples have been collected by MGS and CBL and analyses have begun.
- A no-cost extension was submitted to and approved by MPA extending the contract period through December 2005.
- Draft reports are currently being drafted and are scheduled to be submitted to MPA by the end of December 2005.
- The most recent invoice for this project year was received on 06/14/05.
- There have been no other substantial changes detailed since last month's report.

Signature/Date:  10/25/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 23rd Year Monitoring Contract

Task #, Name: HMI 23rd Year Monitoring Contract

Project Name: MPA Project Manager:

23rd Year Monitoring Contract

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Contract Period:

Maryland Dept. of the Environment

7/01/04-01/31/06

| Budget Line # | PIN # | Contract # | Task #, Name: |
|----------------------|--------------|-------------------|---|
| 710 | 50030020 | 293644 | 23rd Year Monitoring Contract, (MDE) |

Project Budget (Total):

Revisions: Revision #:

\$321,944

Task Balance:

\$319,546

% Complete-Work (Total):

% Expended (Total):

40%

0.74%

**% Complete (Crnt. FY) % Var./Balance
(Crnt. FY):**

**% Expended
(Crnt. FY)**

% Var./Balance

40%

60%

0.00%

100%

Project Goal(s):

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

Project Objectives:

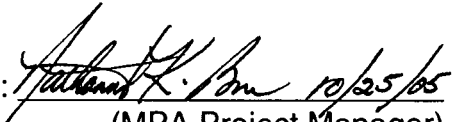
- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 23rd Year Monitoring Contract
Task #, Name: HMI 23rd Year Monitoring Contract

Project Status – Issues/Solutions (both required):

- The first field sampling has been conducted. MDE sampled on September 24, CBL and MGS sampled on Sept. 23rd and 24th. The second field sampling was conducted on 13th of April 2005.
- Sorting and Benthic IDs for the spring and fall samples is complete. Identifications for the fall sampling are complete and less than 20 IDs for the spring remain.
- Sediment and tissue analyses are proceeding as scheduled.
- The most recent invoice on this project year was received on 06/14/05.
- There have been no other significant reported changes or activities since the last reporting period.

Signature/Date:  10/25/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 24th Year Monitoring Contract

Task #, Name: HMI 24th Year Monitoring Contract

Project Name: MPA Project Manager:

24th Year Monitoring Contract

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Contract Period:

Maryland Dept. of the Environment

7/01/05-01/01/07

| Budget Line # | PIN # | Contract # |
|----------------------|--------------|-------------------|
| 715 | 50030020 | 293644 |

Task #, Name:
24th Year Monitoring Contract,
(MDE)

Project Budget (Total):

Revisions: Revision #:

\$286,559

Task Balance:

\$286,559

% Complete-Work (Total):

% Expended (Total):

5%

0.00%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): |
|------------------------------|---------------------------------------|
| 0% | 100% |

| % Expended (Crnt. FY) |
|----------------------------------|
| 0.00% |

| % Var./Balance |
|-----------------------|
| 100% |

Project Goal(s):

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

Project Objectives:

- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 24th Year Monitoring Contract
Task #, Name: HMI 24th Year Monitoring Contract

Project Status – Issues/Solutions (both required):

- The first field cruises were completed on September 8th (MGS/CBL) and September 9th (MDE/CBL).

Signature/Date: *Anthony R. Brown* 10/25/05
(MPA Project Manager)

Project Status Report: to 11/30/05

Project Manager: John Vasina



Fiscal Year 2006

| <u>No.</u> | <u>Line No.</u> | <u>PIN#</u> | <u>Contract #</u> | <u>Description</u> |
|------------|-----------------|-------------|-------------------|---|
| 1 | 785 | 55000010 | 597849 | C&D Pre-Construction Eng. Design ✓ |
| 2 | 950 | 52080040 | 597827 | Oyster Reseeding Program ✓ |
| 3 | 1005 | 52210040 | 502814 | Chesapeake Bay Ports System ✓ |
| 4 | 1010 | 52160020 | 500829 | UM Current Meter Study ✓ |
| 5 | 1015 | 52240020 | 502821 | UM Economic Studies ✓ |
| 6 | 1055 | 52170020 | 501918 | UM Ballast Water Study ✓ |
| 7 | 1085 | 54000010 | 500912 | Task #35 Site Maint. Work at Masonville ✓ |
| 8 | 1085 | 54000010 | 500912 | Task #37 Masonville Expansion ✓ |
| 9 | 1085 | 54000010 | 500912 | Task #41 Bolivar Levees at Masonville ✓ |
| 10 | 1095 | 54010510 | 598819 | Dredged Material Recycling (Agricultural Use) ✓ |
| 11 | 1125 | 54010740 | 500910 | MDE Ballast Water Program ✓ |
| 12 | 1155 | 54100010 | 502820A1 | Blackwater Nat'l Wildlife Refuge Pl. ✓ |
| 13 | 1170 | 54130010 | 502820D1 | Analysis of Benefits of Dredging of 50' Channel ✓ |

Project Status Report Form
Prepared by John Vasina
Harbor Development

Project Name:

C&D Pre-Construction Engineering Design

Project Manager:

John Vasina

Assignee(s) (Consultants/Contractors):

U.S. Army Corps of Engineers

Contract or Task Period:

04/23/97 – 09/30/02 (original)

Budget Line #

785

PIN #:

600104-B

Contract #:

597849

Task #, Name:

Project Budget (Total):

\$1,250,400 (as of point of study suspension in FY '01)

Revisions:

Revision #:

% of Work Complete (Total):

100.00% (as of point of study suspension in FY '01)

% Expended \$ (Total):

99.97% (as of point of study suspension in FY '01)

% of Work Complete (Crnt. FY):

0%

% Var./Balance:

0%

% Expended \$ (Crnt. FY):

0%

% Var./Balance:

0%

Project Goal(s):

To determine optimal design of the C&D Canal deepening project and to undertake an economic evaluation of the project to justify the project's implementation.

Project Objectives:

To complete the Pre-construction, Engineering and Design phase of the Chesapeake & Delaware (C&D) Canal deepening project.

Project Status - Issues/Solutions (both required):

Issues:

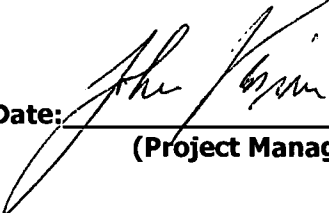
- ◆ **The economic evaluation, if based on the currently available information, would reflect number of negative trends that are short term in nature. Therefore, it would not constitute a suitable basis for making a long term decision pertaining to the project.**

Project Status Report Form
Prepared by John Vasina
Harbor Development

Solutions:

- ◆ Secretary John Porcari recommended to Lt. Colonel Brown of the Philadelphia District Corps of Engineers in his letter of January 16, 2001 to defer consideration of the economic justification of the project until a number of additional factors can be appropriately considered. (including: Vessel operating costs; temporary decline in the number of container vessel arrivals at the Port of Baltimore; shipping industry trends, etc.). The Corps agreed to follow Secretary's recommendation and the project was postponed by three years to allow more representative, long term trends, to be considered.
- ◆ MPA procured consultant (Dr. John Martin) to investigate the economic feasibility and justification for C&D Canal deepening. Dr. Martin is scheduled to complete his investigations approximately in July 2004.
- ◆ John Martin's study was completed in September and is currently under pier review.
- ◆ The Corps of Engineers is in process of issue their C&D report.

Signature/Date:

 12-20-05

(Project Manager)

Project Status Report Form
Prepared by John Vasina
Harbor Development

Project Name:

Oyster Reseeding Program

Project Manager:

John Vasina

Assignee(s) (Consultants/Contractors):

Department of Natural Resources

Contract or Task Period:

06/01/02 – 06/30/05

Budget Line #

950

PIN #:

52080040

Contract #:

597827

Task #, Name:

Project Budget (Total):

\$19,625,000

Revisions:

\$4,875,000

Revision #:

2

% of Work Complete (Total):

79.00%

% Expended \$ (Total):

75.16%

**% of Work Complete
(Crnt. FY):**

40.00%

% Var./Balance:

60.00%

**% Expended \$ (Crnt.
FY):**

0.00%

% Var./Balance:

100.00%

Project Goal(s):

To provide large quantities of shells for habitat restoration of oyster population in the Chesapeake Bay.

Project Objectives:

To increase oyster population in the Chesapeake Bay.

Project Status - Issues/Solutions (both required):

Issues:

- ◆ Program was originally structured so that each dollar was awarded for each cubic yard of dredged material that was placed in an open water site in the Bay. Under the current Agreement, the MDOT contributions to the Oyster Recovery program were scheduled to end in FY '02.
- ◆ DNR's George Hearlth provided invoices for the FY 2003 activities in the amount of \$1,625,000.

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Solutions:

- ◆ **New Agreement was executed between MDOT and DNR that will secure funding of the program through FY 2005. Beginning in FY 2002, MDOT shall pay to DNR annual payment of \$1.625M from the Transportation Trust Fund.**
- ◆ **DNR's repayment of any funds previously advanced to by MDOT is forgiven.**
- ◆ **Continuation of the program funding was re-authorized in July, 2003 by MDOT.**
- ◆ **Description of the program is being placed on the MPA web-site.**
- ◆ **Billing by DNR is expected in March 2004 for the FY 2004.**
- ◆ **DNR is being contacted (Chris Judy) to bill for FY '04 funds.**
- ◆ **DNR submitted invoice in the amount of \$1.625M for FY 2004 activities.**
- ◆ **DNR also submitted report pertaining to the fund expenditures in FY 2004 as required by the MDOT/DNR Agreement.**
- ◆ **The contract will expire June 30, 2005; needs to be extended (if applicable).**
- ◆ **Draft memo to the Secretary is being drafted to obtain instruction if the contract should be terminated or extended to future years.**
- ◆ **Chris Judy of DNR will submit FY 05 invoice in April.**
- ◆ **Meeting with DNR and MDOT was held in June 2005 pertaining to the three-year amendment to the existing contract. The three-year extension was signed by Secretaries of MDOT and DNR in July, 2005.**

Signature/Date: _____

John Vasina 12-20-05

(Project Manager)

Project Status Report Form
Prepared by John Vasina
Harbor Development

Project Name:

Chesapeake Bay Ports System

Project Manager:

John Vasina

Assignee(s) (Consultants/Contractors):
The National Oceanic and Atmospheric Administration

Contract or Task Period:

10/25/01 – 10/25/06

Budget Line #

1005

PIN #:

52210040

Contract #:

502814

Task #, Name:

Project Budget (Total):

\$1,575,650

Revisions:

Revision #:

% of Work Complete (Total):

76.00%

% Expended \$ (Total):

97.04%

% of Work Complete (Crnt. FY):

40.00%

% Var./Balance:

60.00%

% Expended \$ (Crnt. FY):

100.00%

% Var./Balance:

0.00%

Project Goal(s):

To support safe and efficient navigation by providing ship masters and pilots with accurate real-time information required to avoid groundings and collisions.

Project Objectives:

To design, install, manage on ongoing basis, operate, maintain, and repair NOAA's Upper Chesapeake Bay Physical Oceanographic Real-Time System (PORTS).

Project Status - Issues/Solutions (both required):

Issues:

- ◆ **New centralized voice system was implemented during the month of March, 2002. The system was installed in Silver Spring, MD, complete with full back up, and providing local (Silver Spring) and toll-free numbers to cover each PORTS.**
- ◆ **MPA needs current update of the status.**

Solutions:

- ◆ **MPA executed an Addendum to the contract to finance operation and maintenance in FY '04 (cost: \$215K);**

Project Status Report Form
Prepared by John Vasina
Harbor Development

- ◆ MPA approved the new centralized voice system on February 20, 2002.
- ◆ The toll free number assigned to the PORTS Chesapeake Bay site is (866) 247-6787
- ◆ Richard Permenter of NOAA gave the update at Harbor Coordination & Safety Committee meeting on October 2, 2002.
- ◆ Meeting took place in May with NOAA and Md. Pilots to discuss issues pertaining to PORTS system in the Chesapeake Bay.
- ◆ Richard Permenter is permanently retiring in August, 2003. David MacFarland became new NOAA PORTS Program Manager.
- ◆ Kate Bosley is working full-time in another program and she is no longer involved in PORTS activities.
- ◆ Meeting with Md. Pilots and NOAA took place on November 7, 2003. Dave McFarland of NOAA discussed issues with MPA and Pilots that were raised by Pilots before retirement of Rich Permenter of NOAA.
- ◆ PORTS system begin fully implemented in the Chesapeake Bay area in February, 2004
- ◆ There is a plan for celebration of the implementation of the system at the Secretary's level with NOAA.
- ◆ MPA Office of Communication will continue planning of the celebration; per Darlene Frank, this task will be assigned to other communications personnel after departure of Richard Berkow.
- ◆ MPA contacted NOAA in May pertaining to the FY 2004 O&M invoice. NOAA will provide MPA with approximately \$215K invoice in June 2004.
- ◆ Meeting is planned for July, 2004 with NOAA, Maryland Pilots and MPA to discuss issue pertaining to safety navigation in the Chesapeake Bay.
- ◆ MPA accrued the \$215K expenditures for FY 2004.
- ◆ The new Addendum to the Agreement for 2004 was executed in September, 2004.
- ◆ Marty Welch of NOAA was contacted at (301) 713-2897, ext. 129 in January, 2005 to obtain an accrued bill from NOAA to cover FY 2005 cost of maintenance of the system.
- ◆ The FY 2005 bill from NOAA was paid in June 2005.
- ◆ Installation of additional air gap sensors under Chesapeake Bay bridge is in process and the cost will be added to FY 2006 maintenance billings (approx. \$90K increase).
- ◆ The Addendum 003 for operation and maintenance period from May 1, 2005 through April 30, 2006 was signed on 10/18/05. Maintenance invoice was paid 11/08/05.
- ◆ NOAA provided MPA with a presentation report in December 2005.

Signature/Date:


(Project Manager)

Project Status Report Form
Prepared by John Vasina
Harbor Development

Project Name:

UM Current Meter Study

Project Manager:

John Vasina

Assignee(s) (Consultants/Contractors):

University of Maryland

Contract or Task Period:

05/31/00 – 06/30/06

Budget Line #

1010

PIN #:

52160020

Contract #:

502829

Task #, Name:

Project Budget (Total):

\$553,701

Revisions:

Revision #:

% of Work Complete (Total):

81.00%

% Expended \$ (Total):

81.07%

**% of Work Complete
(Crnt. FY):**

30.00%

% Var./Balance:

70.00%

**% Expended \$ (Crnt.
FY):**

39.04%

% Var./Balance:

60.96% (favorable)

Project Goal(s):

To enhance the present shipboard-based Monitoring Program with continuous data to aid the detection of long term change in the Bay ecosystem and to forecast water levels currents and weather over the Chesapeake Bay area that will assist in vessel navigation and environmental work for the State's dredged material management program.

Project Objectives:

The purpose of this contract is to allow the University of Maryland Center for Environmental Studies to consult, deploy and maintain a Chesapeake Bay Observing System (CBOS) for the MPA.

Project Status - Issues/Solutions (both required):

Issues:

- ◆ The final report will be delivered on or before September 30, 2005 to the MPA. MPA will request interim progress report at the end of the FY 2002.
- ◆ The project was necessary to support open water placement of dredged material. The project's contract will expire 06/30/06. Do we need to extend this contract I a

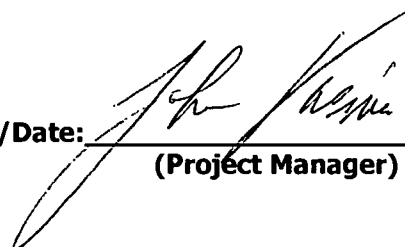
Project Status Report Form
Prepared by John Vasina
Harbor Development

view of circumstances.

Solutions:

- ◆ MPA will contact Dr. William Boicourt in Spring, 2003 to request the interim progress report.
- ◆ Dr. Boicourt requested no cost extension to 06/30/06 to implement Bay-wide effort for surface wave measurements. MPA has granted the no cost extension on March 21, 2005.
- ◆ MPA contacted Dr. Staver in December 2005. UMCES will provide written report to MPA explaining the justification of the extension of study beyond 06/30/06.

Signature/Date:

 12.20-05

(Project Manager)

Project Status Report Form
Prepared by John Vasina
Harbor Development

| | | | |
|---|------------------------|----------------------------------|------------------------|
| Project Name: | | Project Manager: | |
| UM – Economic Studies | | John Vasina | |
| Assignee(s) (Consultants/Contractors): | | Contract or Task Period: | |
| University of Maryland (Dr. Dennis King) | | 02/01/02 – 01/31/06 | |
| Budget Line # | PIN #: | Contract #: | Task #, Name: |
| 1015 | 52240020 | 502821 | |
| Project Budget (Total): | | Revisions: | Revision #: |
| \$457,690 | | \$249,750; \$320,879 | 2 |
| % of Work Complete (Total): | | % Expended \$ (Total): | |
| 69.00% | | 68.07% | |
| % of Work Complete (Crnt. FY): | % Var./Balance: | % Expended \$ (Crnt. FY): | % Var./Balance: |
| 40.00% | 60.00% | 28.26% | 71.74% (favorable) |

Project Goal(s):
 To support selection of the dredged material placement sites to be included in the Governor's Strategic Plan for dredged material management .

Project Objectives:
 To create an economic model that would address comparison of the costs, risks, and benefits of dredged material management options.

Project Status - Issues/Solutions (both required):

Issues:

- ◆ MPA requested report for the work done to date.
- ◆ Dr. King asked for the Amendment to the contract to continue work to January 31, 2004.
- ◆ Dr. King requested meeting with MPA to discuss issues pertaining to the cost/benefit ratios allocations for the DMMP suggested placement options, the Inner Harbor sites economic issues, and the issues pertaining to the economic study of the ballast water issue.
- ◆ Deputy Director for Harbor Development, Mr. Frank Hamons, introduced the issue

Project Status Report Form
Prepared by John Vasina
Harbor Development

and need to prepare a comparison of projects with high first costs for construction, etc. with the projects that allow the spread of costs associated with the project evenly for the duration.

Solutions:

- ◆ Dennis King delivered the requested report in April, 2003.
- ◆ MPA approved Amendment #1 in December 2002.
- ◆ Several meetings took place in October to address economic issues pertaining to the Strategic Plan.
- ◆ Dr. King submitted to MPA proposal of the scope of work, under the Amendment #2 to the existing contract, to continue work in Year 3 on the project.
- ◆ Amendment #2 to the contract was executed in December 2003 for \$320,879 with time extension to 01/31/05.
- ◆ Meetings with Dennis King and MPA take place each month to discuss the issues pertaining to the Corps' economic analysis and other economics issues related to DMMP program.
- ◆ Dr. King's staff is involved in economic analysis of the Poplar Island expansion; the meeting with the Corps are scheduled to take place in May.
- ◆ Various frequent meetings are scheduled to discuss Corps DMMP and prepare presentations and analysis.
- ◆ Dr. King's staff is working with MES on economics analysis for Mid-Chesapeake Bay and Poplar Expansion projects.
- ◆ Dr. King is also working on the expansion of Dr. Martin's report pertaining to C&D cost/benefit justification study.
- ◆ Dr. King will meet with us in November to discuss work in 2005.
- ◆ Amendment #4 was processed and executed..
- ◆ Meeting with UMCES was held in March 2005; the work was planned to cover Inner arbor Sites and Bay projected sites GIS and other economic areas, and also one of the task will cover Blackwater Project preliminary economic evaluations.
- ◆ Meeting with UMCES was held in July 2005 to discuss scope of work and report generation to support DMMP process.
- ◆ Meeting to discuss issues pertaining to work in process is scheduled for October, 2005. The discussion will also include potential scope of work for FY 2007.
- ◆ Contract extension for Year 5 is in process.

Signature/Date:


(Project Manager)

Project Status Report Form
Prepared by John Vasina
Harbor Development

Project Name:

UM Ballast Water Study

Continuation of contract # 501918

Assignee(s) (Consultants/Contractors):

University of Maryland

Project Manager:

John Vasina

Contract or Task Period:

12/08/04 – 12/31/05

Budget Line #

1055

PIN #:

52170010

Contract #:

505916

Task #, Name:

Project Budget (Total):

\$99,984

Revisions:

Revision #:

% of Work Complete (Total):

90.00%

% Expended \$ (Total):

75.25.0%

**% of Work Complete
(Crnt. FY):**

95.00%

% Var./Balance:

5.00% (favorable)

**% Expended \$ (Crnt.
FY):**

47.28.00%

% Var./Balance:

52.72 (favorable)

Project Goal(s):

To identify improved methods for ballast water treatment and management and prevention of boat transport of invasive species.

Project Objectives:

To conduct realistic shipboard trials of methods for the treatment of ballast water, with specific emphasis on the Chesapeake Bay. The primary (voraxial separator) and secondary (ultraviolet irradiation and chemical biocide) treatments to be rigorously tested in the ballast tanks of an ocean going commercial vessel in Baltimore Harbor under normal ballasting conditions.

Project Status - Issues/Solutions (both required):

Issues:

- ◆ **Additional work is necessary to probe various issues pertaining to the measurement of the particulate separatory efficiency of the primary treatment (voraxial separator) and of the viability of bacteria, zooplankton and phytoplankton subjected to both primary and secondary treatments and other issues that arised during the course of study which need to be addressed in order to successfully complete the ballast water study.**

Project Status Report Form

Prepared by John Vasina

Harbor Development

- ◆ **The new system is being currently installed on Cape Washington by Dr. Wright and his technical support (Hyde Marine, Inc. and General Shipyard Co.) There are issue with possible deployment of the ship in Persian Gulf.**
- ◆ **UMCES requested a no cost extension for the calendar year 2006, and to be allowed to remain at Clinton Street to continue the experiments at no cost to the MPA.**

Solutions:

- ◆ **First Amendatory Agreement to the contract was approved in December 2002 for additional funding of \$308,697 with the term extended to December, 2004.**
- ◆ **Meeting between MPA and UMCES was held in September, 2002 to address issues pertaining to the Amendment.**
- ◆ **University of Maryland was requested to provide MPA with a statement of absence of conflict of interest due to principal investigators (Drs. Wright & Dawson) having patent with C-Clean.**
- ◆ **The Phase II of the study will be conducted using the same technology (Maritime Solutions, Inc. microfugal separator) provided it is functional.**
- ◆ **The Phase II will take place on the MARAD ship (other than Cape May) docked in the Port of Baltimore. The MARAD ship was not allocated to the project as of February 28, 2003.**
- ◆ **Trip was made to Flemington, NJ to observe Maritime Solutions' separator in February 2003.**
- ◆ **Several meetings are scheduled for June and July to coordinate work of UM**
- ◆ **Maritime Solutions, Inc. withdrew from the joint project with UM to pursue testing of their own system.**
- ◆ **Drs. David Wright and Roger Dawson, along with project partner Thomas Mackey of Hyde Marine, Inc. presented the results of their earlier work at the 2nd International Ballast Water Treatment R&D Symposium held at the headquarters of the International Maritime Organization (IMO) in London on July 21-23, 2003.**
- ◆ **The University of Maryland started to publish a periodical pertaining to the ballast water issues.**
- ◆ **UM together with Hyde Marine, Inc. will install experimental treatment system on the board of Cape Washington by the end of November, 2003.**
- ◆ **Dr. Wright submitted preliminary proposal for the extension of the contract to MPA in December 2003. (The proposal is currently being reviewed by MPA).**
- ◆ **Debbie Aheron of MARAD is discussing details of work with Dr. Wright and both parties try to set up contingencies for possible deployment of the Cape Washington to the Persian Gulf.**
- ◆ **Cape Washington was deployed in Gulf war; MPA and UM are looking for temporary placement of the equipment off shore to continue with the study.**
- ◆ **Negotiations are in process to place the equipment and continue with the study at MPA's Clinton Street location.**
- ◆ **Meeting is scheduled for July 2004 with MPA management to discuss the project in**

Project Status Report Form

Prepared by John Vasina
Harbor Development

general, ROE, and the amendment to the contract.

- ◆ ROE was approved in July 2004
- ◆ Contract Amendment to proceed with Phase I of the new study cycle was signed in December, 2004. This work is going to proceed under contract no. 505916 on budget line # 1181.
- ◆ Meeting with UMCES (Sharon Moesel) was held in July 2005. MPA requested report from UMCES at the end of contract extension (Spring 2006), and closure of the project.
- ◆ Equipment at Clinton Street is fully installed, and testing is taking place as scheduled.
- ◆ Meeting was held at Clinton Street in August to observe workability of the system.
- ◆ UMCES provided schedule of work for the rest of the contract that will culminate in report to MPA.
- ◆ MPA approved the no cost extension for the calendar year 2006, and MPA's Real Estate Department is in process to sign new ROE for calendar year 2006.

Signature/Date: _____

John Vasina 12-20-05

(Project Manager)

Project Status Report Form
Prepared by John Vasina
Harbor Development

| | | | |
|---|------------------------|----------------------------------|------------------------|
| Project Name: | | Project Manager: | |
| Site Maintenance Work at Masonville | | John Vasina | |
| Assignee(s) (Consultants/Contractors): | | Contract or Task Period: | |
| Maryland Environmental Service | | 09/09/02 – 06/30/06 | |
| Budget Line # | PIN #: | Contract #: | Task #, Name: |
| 1085 | 54000010 | 500912 | 35 |
| Project Budget (Total): | | Revisions: | Revision #: |
| \$657,378 | | \$33,599 | |
| % of Work Complete (Total): | | % Expended \$ (Total): | |
| 100.00% | | 99.13% | |
| % of Work Complete (Crnt. FY): | % Var./Balance: | % Expended \$ (Crnt. FY): | % Var./Balance: |
| 100.00% | 0.00% (favorable) | 0.00% | 100.00% (favorable) |

Project Goal(s):

To condition the site for further development in support of terminal operations .

Project Objectives:

To suppress phragmites and provide rough grading of the inner harbor Masonville site.

Project Status - Issues/Solutions (both required):

Issues:

- ◆ The scope of work incorporates use of aerial applicator and extensive rental of heavy equipment.

Solutions:

Active grading and clearing is occurring, with five pieces of equipment in use today. Where grading has occurred, the phragmites growth appears to be mostly controlled. Approximately 50% of the site is graded, and an additional 20% has been cleared and is in the process of being graded. Spraying of approximately 16 acres occurred on July 15, 2003. It is anticipated that this spraying will kill the phragmites

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Prepared by John Vasina
Harbor Development

above ground growth, but only provide minimal killing of the roots. Jim Sammis of WeedPro informed us that we may not see signs of the Phragmites dying off for 7-10 days, but the plants will begin to translocate the herbicide within 24 hours and this will start the dying process. MES observed signs of yellowing on some of the sprayed phragmites. MES will continue to clear and grade the site including the newly sprayed phragmites. All phragmites as well as the root mat are to be hauled off site to the Quarantine Road landfill. All reasonable effort will be made to remove any phragmites roots and above ground material from the site and not buried on site. Once the site is graded, no spraying will occur until September when the phragmites is fully tasseled. At this time, WeedPro will perform an aerial spray of the entire site at the most appropriate time to kill the phragmites roots and plants.

MES is still looking at completion of grading by the end of July, with the exception of the north side where stabilization still needs to occur. Luis has forwarded a sketch of the areas in need of stabilization. MNE has forwarded specifications for stone and geogrid to David Ferguson who is pursuing costs to provide MPA and MNE with a cost to stabilize these two areas.

Craig Huntley of MES first met Ken at the cell 5 site to discuss boring locations. EBA expects to be on site the end of next week and will be using an ATV for accessing the boring sites. Larry Walsh met us to see the site as well. JMT has previously staked out the existing pipe to make locating the alignment easier.

On phase II, the entire site is graded and rolled, except for the northern end that still needs to be stabilized. David Ferguson is to get Craig cost estimates as well as a record of available funds in the contract. Once we have this information, we can determine how much can be stabilized within the existing funding. A final survey needs to be done on the site, but this should wait until the site is fully stabilized. This is the same area where URS is planning SWM and we will coordinate with their plans.

The phragmites are coming back in some areas, but not heavily or to the point of tufting. If spraying is put off as late as possible, this would be around the third week of October. According to Jim Sammis and everyone else Craig have spoken to, unless the Phrag is tufting, there will not be full translocation to the roots. Because of this, and the fact that the phrag is very thin throughout the site. It appears that the most practical approach is to schedule spraying from a truck or with backpack sprayers and to not use aerial spraying. Once this is agreed upon, we need to let Jim Sammis of Weedpro know, so he can schedule accordingly.

Possible new phase of the project could be implemented to accommodate terminal for Mercedes Benz.

Additionally there is a need to make additional adjustment to discharge system. The contracted project under this task was completed. No field activity

Signature/Date:


(Project Manager)

Site Maintenance Work at Masonville

EPATS TASK 35 MONTHLY PROGRESS REPORT

Project: Site Maintenance Work at Masonville

MPA Project Manager: John Vasina

Reporting Period: November 2005

MPA Contract No.: 500912

MPA PIN: 54000010

MDOT Budget Line #: 1085

Contract Amount for Task 35: \$690,977

Contract Term: 01/01/99 – 6/30/07

Task Term: 09/09/02 – 06/30/06

Task 35 Rough Grading and Phragmites Suppression at Masonville

This report documents status of activities related to the site maintenance work at Masonville incorporating MES and MES subcontracted services of procured aerial application of phragmites suppression chemicals and clearing, grubbing and grading field work.

At the time of this progress report, there is no current activity at the site. All requirements of the task scope of work have been completed. The task remains open for any follow-up site maintenance work requested by the Maryland Port Administration.

Task Status

During the month of November, MES provided project and task management services including:

- Preparation and submittal of monthly status report to MPA.
- No field activity.

Total Amount of November Invoice to MPA:

Task 35 - \$0

Total Amount Invoiced to MPA to date as of this Invoice:

Task 35 - \$684,995.52

Contract Amount Remaining as of November 30, 2005:

Task 31 - \$5,981.48

John Vasina 12-20-05

Project Status Report Form
Prepared by John Vasina
Harbor Development

Project Name:

Masonville Expansion

Project Manager:

John Vasina

Assignee(s) (Consultants/Contractors):

Maryland Environmental Service

Contract or Task Period:

07/15/03 – 12/31/04

Budget Line #

1085

PIN #:

54000010

Contract #:

500912

Task #, Name:

37

Project Budget (Total):

\$178,675

Revisions:

\$20,000; \$273,059

Revision #:

2

% of Work Complete (Total):

80.00%

% Expended \$ (Total):

72.19%

**% of Work Complete
(Crnt. FY):**

80.00%

% Var./Balance:

20.00% (favorable)

**% Expended \$ (Crnt.
FY):**

81.39%

% Var./Balance:

19.61% (favorable)

Project Goal(s):

Preliminary engineering assessment and design for the Masonville Dredged Material Containment Facility.

Project Objectives:

Preliminary design analysis for an expansion of the existing DMCF incorporating features that will facilitate cell closure and conversion and integration into the MPA's Masonville Marine Terminal operation.

Project Status - Issues/Solutions (both required):

Issues:

- ◆ **Unanticipated need to design a replacement of approximately 500 linear feet of 42-inch corrugated metal storm drain pipe which has collapsed at the Masonville site.**

Solutions:

- **Additional funding of \$20K was approved on August 12, 2003.**
- **Meeting was held on October 27 with MPA's Engineering Department and**

Project Status Report Form

Prepared by John Vasina

Harbor Development

Moffatt & Nichol Engineers to discuss additional study needs; specifically, additional borings needed to locate sand borrow areas.

- **Storm drain system needs to be possibly adjusted, proposal is being prepared by Moffatt & Nichol (anticipated in September 2005).**
- **Additional info on MES enclosure.**

Subtask 37.13 Task Planning, Technical, Environmental and Administrative Services (MES)

This report documents the status of activities related to the engineering and technical services for the expansion of the Masonville Dredged Material Containment Facility (DMCF). These services include: development of a Cost/Benefit analysis for filling a 5 acre wet basin; evaluation of alternative DMCF retention structures near pier 3; evaluation of the 48" water main line relocation; project management for the development of the Masonville and Fairfield Terminals; and technical support on field engineering investigations and surveys.

Task Status

During the month of November, MES provided project and task management services including:

- **Preparation and submittal of monthly status report to MPA.**
- **Review and process of subcontractor invoices and progress submittals.**

The November invoice to MPA in the amount of \$28,186.11 includes MES labor, credits for charges that were incorrectly billed to Task 37 and invoices from M&N dated October and November 2005 in the amounts of \$10,974.49 and \$18,282.46 for services provided in September and October. The two invoices include the M&N services as provided in subtask status below:

- Subtask 08: Wet Basin Cost/Benefit Analysis
October: Revised Wet Basin Cost/Benefits Analysis in response to review comments.
November: Submitted Final Wet Basin Cost/Benefits Analysis Report to MPA and MES. Decision on implementation of project is still pending.
- Subtask 09: Alternate DMCF Retention Structure
October: No work this period
November: Reviewing cost estimate for selected alternate.
- Subtask 10: 48" Water Line Relocation

Project Status Report Form
Prepared by John Vasina
Harbor Development

October: Reviewed RK&K's engineering proposal and forwarded comments to MPA.

November: Working with MPA to finalize scope of 48" waterline relocation design and permitting responsibilities.

- Subtask 11: Masonville DMCF Program Management

October and November: Provided coordination and oversight of several design consultants. Conducted monthly Masonville status meetings with MPA.

- Subtask 12: Masonville Phase 2 Storm Drain Relocation

October: Submitted 30% design package to MES for review.

Proceeded with preparation of 85% design submittal.

November: Continuation of preparation of 85% design submittal.

Total Amount of November Invoice to MPA:

Task 37 - \$28,186.11

Total Amount Invoiced to MPA to date as of this Invoice:

Task 37 - \$ 326,094.56

Contract Amount Remaining as of November 30, 2005 Invoice:

Task 37 - \$125,639.44

Signature/Date: _____

(Project Manager)

John Vasina 12-20-05

Project Status Report Form
Prepared by MES for
Harbor Development

Project Name:

Geotechnical Study in Relation to Planning at
Masonville DMCF (Bolivar Levees)

(This project is included under MES Open Ended
Consulting EPATs)

MPA Project Manager:

John Vasina

MES Project Manager:

Stephanie Lindley

Assignee(s) (Consultants/Contractors):

Gahagan & Bryant Associates, Inc.

Contract Period:

EPATS Agreement for Task 41 10/31/05 – 1/31/06

Budget Line #

PIN #:

1085

600105P

Contract #:

500912

Task #, Name:

#41, Bolivar Levees

Project Budget (Total):

\$44,967.00 (Total Budget)
\$ (FY 2006)

Revisions:

None

Revision #:

N/A

% Complete (Total):

3%

% Expended (Total):

3.1%

**% Complete (Crnt. FY): % Var./Balance
(Crnt. FY):**

3%

% Expended (Crnt. FY):

3.1%

Project Goal(s):

- Provide geotechnical investigations related to decision making at the planned Masonville Dredged Material Containment Facility by gathering geotechnical and hydraulic conductivity information from the Bolivar Levees project site.

Project Objectives:

- Installation of 3 monitoring wells and slug testing within the three wells.
- Site stratigraphy and geotechnical characteristic determination by drilling three 25-foot borings and by conducting laboratory analysis on the borings.
- Preparation of a report on the hydraulic conductivity, site stratigraphy and sediment type, and geotechnical characteristics.

Project Status Report Form
Prepared by MES for
Harbor Development

Project Status – Issues/Solutions:

- **Issues**
 - None.
- **Solutions**
 - None required.
- **MES Activities:**
 - MES communicated with GBA as necessary to coordinate schedules and deliverables.
 - MES submitted a project status report for the month of October on November 15th.
- **Gahagan & Bryant Associates, Inc. Activities:**
 - GBA communicated with its contractor HVJ Associates as necessary to review field studies.
 - Field studies, which included monitoring well instillation, field borings and sample collection were completed on November 17th and slug testing was completed on November 22nd.
 - Laboratory analysis of the soil borings was completed.
- **Future Activities:**
 - Draft Report submitted in early December 2005.
 - Final Report submitted at the end of December 2005.

Total Contract Amount: \$44,967.00

Total November 2005 Invoice: \$556.75

Total Amount Invoiced as of November 30, 2005: \$1,427.88

John Vassina 12-20-05

Project Status Report Form
Prepared by John Vasina
Harbor Development

| | | | |
|--|------------------------|----------------------------------|------------------------|
| Project Name: | | Project Manager: | |
| Dredge Material Recycling (Agricultural Use) | | John Vasina | |
| Assignee(s) (Consultants/Contractors): | | Contract or Task Period: | |
| University of Maryland - Wye Agricultural Laboratory/MES | | 09/01/97 – 12/31/06 | |
| Budget Line # | PIN #: | Contract #: | Task #, Name: |
| 1095 | 600105-S | 598819 | |
| Project Budget (Total): | | Revisions: | Revision #: |
| \$384,835 | | | |
| % of Work Complete (Total): | | % Expended \$ (Total): | |
| 88.00% | | 87.94% | |
| % of Work Complete (Crnt. FY): | % Var./Balance: | % Expended \$ (Crnt. FY): | % Var./Balance: |
| 27.00% | 73.00% | 4.71% | 95.29% (favorable) |

Project Goal(s):

To make preliminary recommendation that the agricultural use of dredge material is either viable option to be considered for Governor's Strategic Plan for Dredged Material Placement or it should not be considered for the inclusion in the Plan. . Specifically, to investigate the feasibility of using dredged material on agricultural land as a soil supplement or soil amendment.

Project Objectives:

To address the benefit created through improving unproductive land (farmland). Additional objective is to quantify the value of unproductive farmland vs. the improved value of the land if dredged material increases agricultural yields.

The MPA initiated this project in 1998, with three major objectives – to perform a feasibility study for agricultural recycling of dredged material; to attempt to find recycling options for up to 500,000 cubic yards of dredged material annually; and to investigate agricultural, horticultural and industrial application of dredged material, defining soil and water quality and crop germination and production factors.

Project Status Report Form
Prepared by John Vasina
Harbor Development

Project Status - Issues/Solutions (both required):

Ken Staver sent his draft proposal for continuation of the study of agricultural use of dredged material on August 1, 2004. MES is in the process of reviewing and editing the Wye proposal and preparing an overall proposal for the next phase of this work for MPA.

MES will discuss the logistics of obtaining dredged material from Courthouse Point with USACE Philadelphia for next spring. Mr. Staver will revise his proposal to update some dates after hearing about the status on the dredged material from Courthouse Point and submit to MES. MES will work on a draft proposal for MPA review for future work. It will be combined with Ken Staver's proposal and folded into an overall proposal for the entire task for submission to MPA. MES is continuing to work on a draft proposal for MPA review for future work. It will be combined with Ken Staver's proposal and folded into an overall proposal for the entire task for submission to MPA. On November 14th, MES submitted a monthly status report to MPA. On December 14th, MES emailed Ken Staver and spoke directly with him on December 12th to discuss the proposal. Mr. Staver informed MES that he would submit something in the next few weeks.

Signature/Date: _____

John Vasina 12-20-05

(Project Manager)

Back-up J.F. 12-20-05

Report for Period Ending: 11/30/05
SFY 06

Project Status Report Form
Prepared by Maryland Environmental Service (MES) for Harbor Development

Project Name:
Dredged Material Recycling

MPA Project Manager:
John Vasina

Assignee(s) (Consultants/Contractors):
Maryland Environmental Service
USDA- Beltsville
University of Maryland - Wye Agricultural
Research Center

MES Task Manager: Karen Cushman
Contract Period: 9/1/1997 – 12/31/2006

| | | | |
|----------------|---------------|--------------------|----------------------|
| MDOT #: | PIN #: | Contract #: | Task #, Name: |
| 1095 | 54010510 | 598819 | |

| | | |
|--------------------------------|-------------------|--------------------|
| Project Budget (Total): | Revisions: | Revision #: |
| \$384,835.39 (Original) | | |

| | |
|----------------------------|----------------------------|
| % Complete (Total): | % Expended (Total): |
| 88% | 12% |

| | | | |
|----------------------------------|------------------------------|--------------------------------|-----------------|
| % Complete (Crnt. FY 05): | % Rem. (Crnt. FY 06): | Expended (Crnt. FY 06): | Balance: |
| 27% | 73% | \$4,111.16 | \$46,270.74 |

Project Goal(s): To investigate the feasibility of using dredged material on agricultural land as a soil supplement or soil amendment.

Project Objectives: The MPA initiated this project in 1998, with three major objectives – to perform a feasibility study for agricultural recycling of dredged material; to attempt to find recycling options for up to 500,000 cubic yards of dredged material annually; and to investigate agricultural, horticultural and industrial application of dredged material, defining soil and water quality and crop germination and production factors.

Progress Towards Objectives: Ken Staver sent his draft proposal for continuation of the study of agricultural use of dredged material on August 1, 2004. MES is in the process of preparing an overall proposal for the next phase of this work for MPA.

Project Status - Issues/Solutions (both required):
MES finished reviewing the Wye proposal and contacted Mr. Staver to discuss. MES has contacted Chip DePrefontaine with USACE, Philadelphia District to discuss the logistics of obtaining dredged material from Courthouse Point for next spring. Mr. DePrefontaine informed MES that dry material from Courthouse Point would be available next spring. Mr. Staver has been informed of the status of the material and will revise his proposal to update some dates and costs and resubmit to MES. MES is currently awaiting Mr. Staver's revised proposal. MES is continuing to work on a draft proposal for MPA review for future work. It will be combined with Ken Staver's proposal and folded into an overall proposal for the entire task for submission to MPA. On November 14th, MES submitted a monthly status report to MPA. On December 14th, MES emailed Ken Staver and spoke directly with him on December 12th to discuss the proposal. Mr. Staver informed MES that he would submit something in the next few weeks.

Report for Period Ending: 11/30/05
SFY 06

Project Status Report Form
Prepared by Maryland Environmental Service (MES) for
Harbor Development

Signature/Date: Karen Cushman 12/12/05
Project Manager

Project Status Report Form
Prepared by John Vasina
Harbor Development

| | | | |
|---|------------------------|----------------------------------|------------------------|
| Project Name: | | Project Manager: | |
| MDE Ballast Water Program | | John Vasina | |
| Assignee(s) (Consultants/Contractors): | | Contract or Task Period: | |
| Maryland Department of the Environment | | 01/31/03 – 01/01/05 | |
| Budget Line # | PIN #: | Contract #: | Task #, Name: |
| 1125 | 54010740 | 500910 | |
| Project Budget (Total): | | Revisions: | Revision #: |
| \$161,000 | | \$0 | |
| % of Work Complete (Total): | | % Expended \$ (Total): | |
| 100.00% | | 92.38% | |
| % of Work Complete (Crnt. FY): | % Var./Balance: | % Expended \$ (Crnt. FY): | % Var./Balance: |
| 0.00% | N/A | 0.00% | N/A |

Project Goal(s):
 Implementation of reporting of information by maritime industry to MDE about ballast water. (Maryland legislation enacted in 2000 created an enforceable requirement for the maritime industry).

Project Objectives:
 MPA's funding support helps MDE to start the program, draft and promulgate regulations, and set up the ongoing reporting framework.

Project Status - Issues/Solutions (both required):

Issues:

- ◆ Program was originally funded from MPA's operating budget.

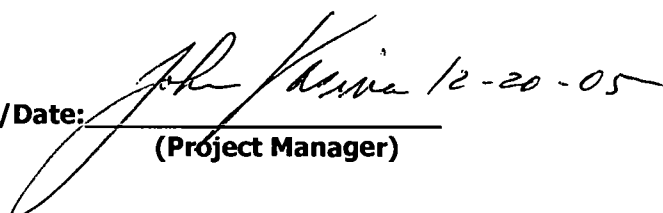
Solutions:

- Approval has been received from Secretary Porcari to amend the existing MOU between MPA and MDE (Contract No. 500910) and allow MDE to conduct work in support of MDE's ballast water program under this contract.
- MDE is submitting quarterly reports.

Project Status Report Form
Prepared by John Vasina
Harbor Development

- **MDE's ballast water program regularly update and maintain a ballast water database that is used to collect information about ballast water report forms, ships that enter and depart the State of Maryland, contact information and compliance tracking. MDE is sending compliance verification letters to shipping agents of vessels that did not send in report forms at the end of each month. For example, in 2003, the average compliance rate (prior to receipt of compliance verification letters) was 71%. However, the average compliance rate (after receipt of compliance verification letter) climbed to 94%.**
- **MDE is inquiring about possible extension of this contract beyond 06/30/05. MDE submitted list of potential tasks that would be done under the contract. Specifically, MDE is emphasizing work pertaining to the potential Inner Harbor Dredged Material Placement sites. Overall contract No. 500910 was extended to June 30, 2011, and amended by \$500K. The Ballast Water segment of the contract is completed.**
-

Signature/Date:

 12-20-05

(Project Manager)

Date: November 30, 2005

Project Status Report Form
prepared by
Harbor Development

Project

Dredged Material Management Consulting - Dredging

Project Manager:

John Vasina

Assignee(s) (Consultants/Contractors):

Gahagan & Bryant Associates, Inc.

Contract Period:

02/15/05 – 12/31/06

Budget Line #

1155

PIN #:

54100010

Contract #:

502820A

Task #, Name:

Task 11 Blackwater
National Wildlife Refuge
Planning & Cost Estimates

Project Budget (Total):

\$63,113

Revisions:

Revision #:

% Complete (Total):

40%

% Expended (Total):

28.48%

% Complete (Crnt FY):

40%

Var/Balance:

Favorable 60.00%

**% Expended
(Crnt FY):**

0.00%

Var/Balance:

Favorable 100.00%

Project Goal(s)

Much interest has been expressed in Blackwater NWR restoration as noted in discussions recently at the February DMMP Management Committee meeting. There are diverse approaches involving application of dredged material to restore marsh areas. This work will involved concept level studies of the application of Maintenance Dredging Material to restore the Blackwater NWR.

Project Objectives:

GBA will provide qualified staff to assist the MPA with the following subtasks

11.1) Review Data & Mapping – Cost Estimates

11.2) Concept Study Report

Project Status - Issues/Solutions (both required):

Prepared conceptual cost estimates for direct hydraulic pipeline and scow pumpout alternatives for placing dredged material at Blackwater NWR.



(Project Manager)

December 20, 2005

(Date)

Date: November 30, 2005

Project Status Report Form
prepared by
Harbor Development

Project

Open Ended Planning

Project Manager:

John Vasina

Assignee(s) (Consultants/Contractors):

John Martin & Associates, Inc.

Contract Period:

04/15/05 – 03/31/06

Budget Line #

1170

PIN #:

54130010

Contract #:

502820D1

Task #, Name:

Task 1 Analysis of Benefits
of the Dredging the 50'
Channel

Project Budget (Total):

\$166,729

Revisions:

Revision #:

% Complete (Total):

77%

% Expended (Total):

77.24%

% Complete (Crnt FY):

77%

Var/Balance:

Favorable 23.00%

**% Expended
(Crnt FY):**

77.11%

Var/Balance:

Favorable 22.89%

Project Goal(s)

To justify the O & M dredging expenditures to maintain authorized channel project specifications.

Project Objectives:

To measure the economic benefits of maintaining the 50 ft. main shipping channel serving the Port of Baltimore.

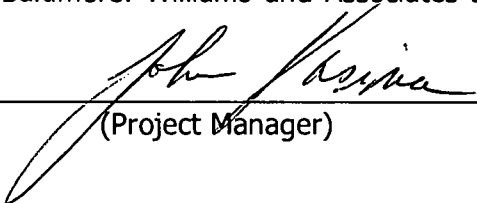
Project Status - Issues/Solutions (both required):

John Martin requested from the US Army Corps of Engineers the data pertaining to the Corps' previous studies of the 50 ft. shipping channel.

Danny Closterman (410 962-3215) is Corps' contact for John Martin's contract.

Meeting was held in September (Martin Associates, MPA & GBA) to discuss incremental costs of deepening.

Martin & Associates developed the benefit cost analysis of the 50 Ft. shipping channel; however, there is a need for qualitative data collection to support hard numbers in the report. Martin & Associates requested Williams Associates (MBE firm) to conduct a series of interviews in the private marine terminals in Baltimore to determine how these terminals use the 50 Ft. channel from Cape Henry to the Port of Baltimore. Williams and Associates should provide summary report of findings by January 25, 2006.



(Project Manager)

December 20, 2005
(Date)

Date: October 31, 2005

Project Status Report Form
prepared by
Maryland Port Administration - Harbor Development

Project
Dredged Material Management Consulting -

Project Manager:
David Bibo

Assignee(s) (Consultants/Contractors):
Gahagan & Bryant Associates, Inc.

Contract Period:
October 1, - October 31, 2005

Budget Line #
1155

PIN #:
54100010

Contract #:
502820A

Task #, Name:
Task 10 Cox Creek Ops Filling

Project Budget (Total):
\$118,183

Revisions: **Revision #:**

% Complete (Total):
30%

% Expended (Total):
29.06%

% Complete (Crnt)
60%

Var/Balance:
Favorable / 40.0%

% Expended (Crnt FY)
61.74%

Var/Balance:
Favorable / 38.26%

Project Goal(s)

Cox Creek Dredged Material Containment Facility will begin operations as early as the fall of 2005. GBA will participate in the planning and design for operations and placement for the Cox Creek site.

Project Objectives:

GBA will provide qualified staff to assist the MPA with the following subtasks

- | | |
|----------------------------------|---|
| 10.1) Operations/Placement Plans | 10.2) Meetings and Site Visits |
| Filling Capacity & Estimates | 10.3) Constuction Planning & Equip Optimization |

Project Status - Issues/Solutions (both required):

GBA personnel attended the following meeting(s), (dates): 10/17/05 (x-dike alternatives) Engineer site visit on 10/4 for familiarization and study of weir structures. Office discussions/data analysis on re-cycling and fill plans, review of construction to-date.



David Bibo - Project Manager

November 30, 2005

(Date)

Date: October 31, 2005

Project Status Report Form

prepared by

Maryland Port Administration - Harbor Development

Project

Dredged Material Management Consulting - Dredging

Project Manager:

David Bibo

Assignee(s) (Consultants/Contractors):

Gahagan & Bryant Associates, Inc.

Contract Period:

October 1, - October 31, 2005

Budget Line #

1155

PIN #:

54100010

Contract #:

502820A

Task #, Name:

Task 9 HMI Closure/Filling P&D

Project Budget (Total):

\$400,611

Revisions:

Revision #:

% Complete (Total):

50%

% Expended (Total):

53.35%

% Complete (Crnt FY): Var/Balance:

70%

Favorable / 30.0%

% Expended (Crnt FY)

80.55%

Var/Balance:

Favorable / 19.45%

Project Goal(s)

Hart Miller Island (HMI) will be closed for all placement of dredged material at the end of 2009 and final cap or cover material placement will begin at the end of 2007. GBA will participate in the planning and design for operations, placement and final filling, and closure for the HMI site.

Project Objectives:

GBA will provide qualified staff to assist the MPA with the following subtasks

- 9.1) Ops/Placement Plans – Filling and Capacity Ests.
- 9.2) Field Borings & Consolidation Estimates
- 9.3) Cap Closure Team
- 9.4) Meetings and Site Visits
- 9.5) Construction Planning and Equipment Optimization

Project Status - Issues/Solutions (both required):

GBA personnel attended the following meetings in October : 10/5 & 10/19 - meeting at HMI re: Opns Procedures, 10/20 - meeting at HMI with MES personnel & Harbor Development to discuss fill planning and permit issues. 10/31 meeting at HMI with Harbor Development. Report preparation on HMI Fill Plan. Development w/ MES on summary database for recording various operational parameters at HMI. Data analysis and preparatory work for calendar year 2006 inflow planning.

David Bibo - Project Manager

November 30, 2005

(Date)

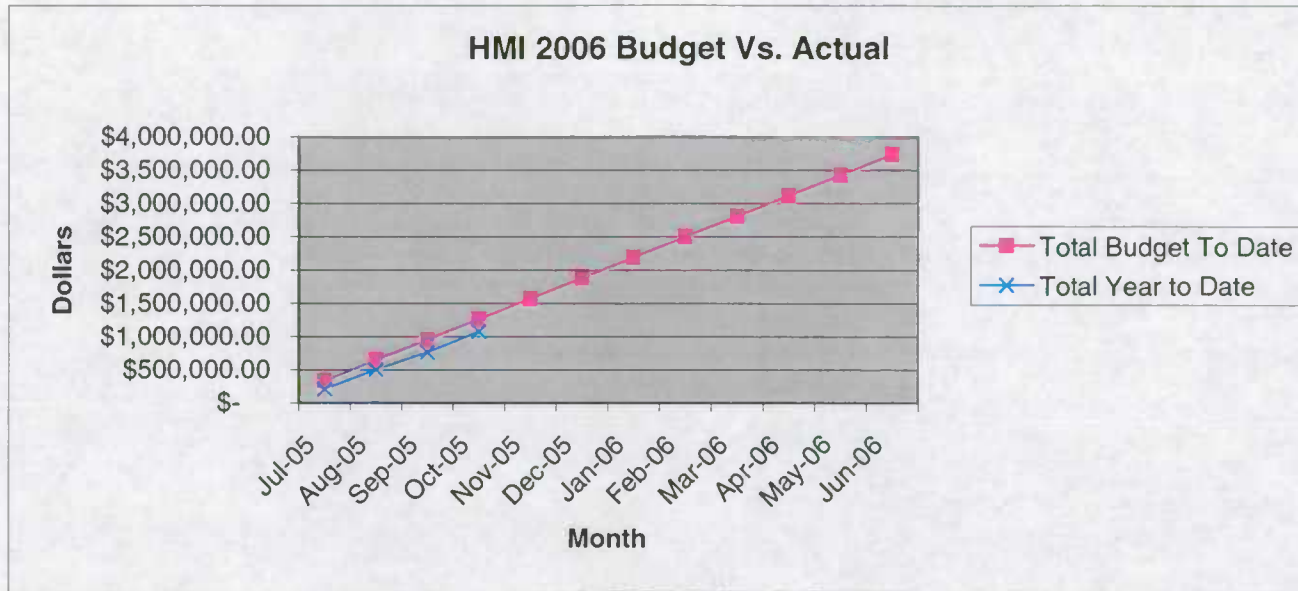
HMI O&M

MARYLAND PORT ADMINISTRATION AND MES
 MES CLIENT CONTRACT #500828, PIN No. 54020020, MES Contract No. 84-03-19

Total Contract Amount \$ 3,716,000.00 Remaining \$ 2,656,503.87

| Prior Fiscal Years | |
|--------------------|-----------------|
| FY 05 | \$ 2,652,911.00 |
| FY 04 | \$ 2,197,738.00 |
| FY 03 | \$ 2,762,569.00 |
| FY 02 | \$ 4,669,333.00 |

| | Budget | Total Budget To | | Invoice Amount | Total Year to Date | Actual % Time | |
|--------------|---------------|-----------------|--------------|----------------|--------------------|---------------|----------|
| | | Date | | | | Expended | Expended |
| Jul-05 | \$ 309,666.67 | \$ | 309,666.67 | \$ 197,506.31 | \$ 197,506.31 | 5.31% | 8% |
| August-05 | \$ 309,666.67 | \$ | 619,333.34 | \$ 291,250.43 | \$ 488,756.74 | 13.15% | 17% |
| September-05 | \$ 309,666.67 | \$ | 929,000.01 | \$ 260,863.80 | \$ 749,620.54 | 20.17% | 25% |
| October-05 | \$ 309,666.67 | \$ | 1,238,666.68 | \$ 309,875.59 | \$ 1,059,496.13 | 28.51% | 33% |
| November-05 | \$ 309,666.67 | \$ | 1,548,333.35 | | | | |
| December-05 | \$ 309,666.67 | \$ | 1,858,000.02 | | | | |
| January-06 | \$ 309,666.67 | \$ | 2,167,666.69 | | | | |
| February-06 | \$ 309,666.67 | \$ | 2,477,333.36 | | | | |
| March-06 | \$ 309,666.67 | \$ | 2,787,000.03 | | | | |
| April-06 | \$ 309,666.67 | \$ | 3,096,666.70 | | | | |
| May-06 | \$ 309,666.67 | \$ | 3,406,333.37 | | | | |
| June-06 | \$ 309,666.63 | \$ | 3,716,000.00 | | | | |



| ID | | Task Name | Duration | Start | Finish | Predecessor | Resource Names |
|----|---|---|------------------|--------------------|---------------------|-------------|----------------|
| 1 | | | | | | | |
| 2 | ✓ | Federal Inflow – Great Lakes | 13 days | Thu 3/10/05 | Mon 3/28/05 | | |
| 6 | | | | | | | |
| 7 | | Crust Management 2005 | 426 days | Mon 5/17/04 | Fri 12/30/05 | | |
| 8 | ✓ | Dewatering | 134 days | Tue 3/29/05 | Fri 9/30/05 | | |
| 9 | ✓ | Perimeter trenching | 69 days | Mon 5/17/04 | Thu 8/19/04 | | |
| 10 | ✓ | Recover and stockpile | 332 days | Fri 9/24/04 | Fri 12/30/05 | | |
| 11 | ✓ | Cut & maintain trenches | 66 days | Mon 5/16/05 | Mon 8/15/05 | | |
| 12 | ✓ | Fill Trenches | 6 days | Mon 10/3/05 | Mon 10/10/05 | | |
| 13 | | | | | | | |
| 14 | ✓ | Temp Berm/Bench raising | 341 days? | Mon 11/8/04 | Fri 2/24/06 | | |
| 15 | ✓ | Stockpile & recovery of materias | 291 days | Mon 11/8/04 | Mon 12/19/05 | | |
| 16 | ✓ | Hauling and placing material | 254 days | Mon 11/8/04 | Mon 12/19/05 | | |
| 17 | | | | | | | |
| 18 | ✓ | Langenfelder Marine | 60 days | Thu 5/12/05 | Wed 8/3/05 | | |
| 19 | ✓ | Mobilization | 4 days | Thu 5/12/05 | Tue 5/17/05 | | |
| 20 | ✓ | Pumping | 50 days | Wed 5/18/05 | Tue 7/26/05 | 19 | |
| 21 | ✓ | Demobilization | 4 days | Wed 7/27/05 | Mon 8/1/05 | 20 | |
| 22 | | | | | | | |
| 23 | ✓ | McClean (Baltimore County) | 151 days? | Mon 8/1/05 | Fri 2/24/06 | | |
| 24 | ✓ | Mobilization | 5 days? | Mon 8/1/05 | Fri 8/5/05 | | |
| 25 | ✓ | Pumping | 140 days? | Mon 8/8/05 | Thu 2/16/06 | 24 | |
| 26 | ✓ | Demobilation | 6 days? | Fri 2/17/06 | Fri 2/24/06 | 25 | |
| 27 | | | | | | | |
| 28 | ✓ | Great Lakes (South Locust Point) | 41 days | Tue 10/4/05 | Tue 11/29/05 | | |
| 29 | ✓ | Mobilization | 6 days? | Mon 10/3/05 | Tue 10/11/05 | | |
| 30 | ✓ | Pumping | 19 days? | Fri 11/4/05 | Wed 11/30/05 | | |
| 31 | | | | | | | |
| 32 | ✓ | GLDD/ Weeks Marine Dredging-MPA-ACOE | 46 days? | Thu 12/1/05 | Wed 2/1/06 | | |
| 33 | ✓ | Pumping | 41 days? | Thu 12/1/05 | Wed 1/25/06 | | |
| 34 | ✓ | Demobilization | 5 days? | Thu 1/26/06 | Wed 2/1/06 | 33 | |

Poplar Site Development 2006 Budget

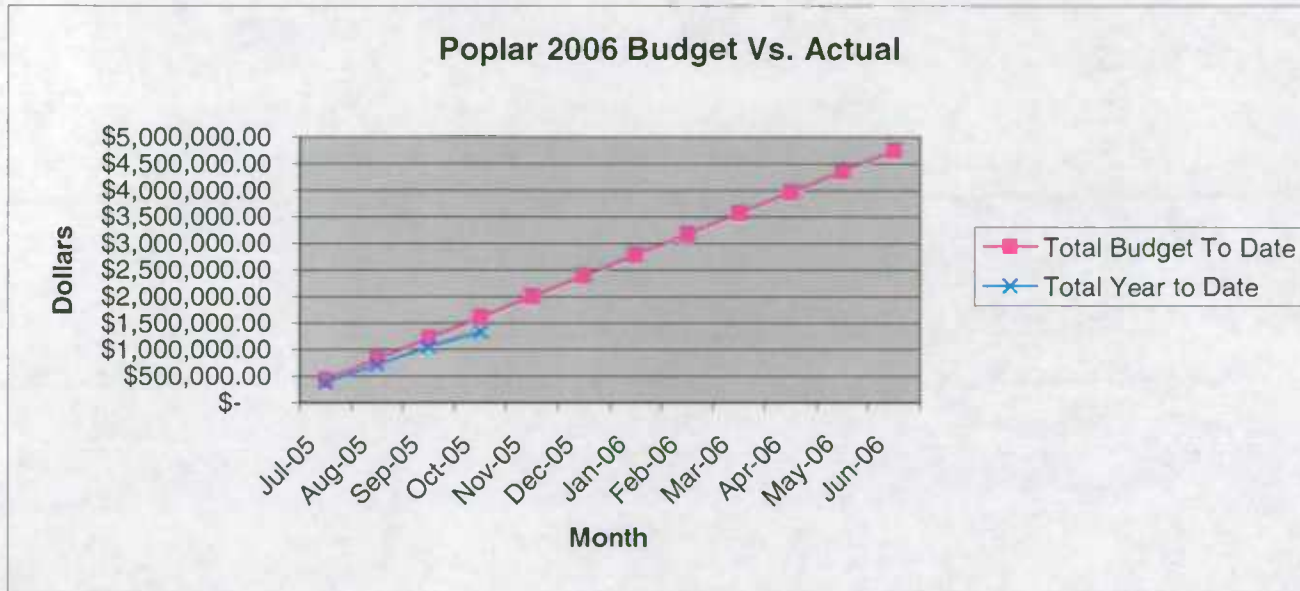
Poplar Site Development

**MARYLAND PORT ADMINISTRATION AND MES
MES CLIENT CONTRACT #502813, PIN No. 51030040, MES Contract No. 02-07-20**

Total Contract Amount \$ 4,720,000.00 Remaining \$ 3,407,368.16

| | | |
|--------------------|-------|-----------------|
| Prior Fiscal Years | FY 02 | \$ 4,471,535.00 |
| Expenditures | FY 03 | \$ 6,528,383.00 |
| | FY 04 | \$ 3,980,057.00 |
| | FY 05 | \$ 4,755,291.00 |

| | Budget | Total Budget To Date | Invoice Amount | Total Year to Date | Actual % Expended | Time Expended |
|--------------|---------------|-------------------------|----------------|--------------------|----------------------|------------------|
| Jul-05 | \$ 393,333.33 | \$ 393,333.33 | \$ 360,115.63 | \$ 360,115.63 | 7.6% | 8% |
| August-05 | \$ 393,333.33 | \$ 786,666.66 | \$ 341,680.73 | \$ 701,796.36 | 14.9% | 17% |
| September-05 | \$ 393,333.33 | \$ 1,180,000.00 | \$ 327,843.40 | \$ 1,029,639.76 | 21.8% | 25% |
| October-05 | \$ 393,333.33 | \$ 1,573,333.33 | \$ 282,992.08 | \$ 1,312,631.84 | 27.8% | 33% |
| November-05 | \$ 393,333.33 | \$ 1,966,666.66 | | | | |
| December-05 | \$ 393,333.33 | \$ 2,360,000.00 | | | | |
| January-06 | \$ 393,333.33 | \$ 2,753,333.33 | | | | |
| February-06 | \$ 393,333.33 | \$ 3,146,666.66 | | | | |
| March-06 | \$ 393,333.33 | \$ 3,540,000.00 | | | | |
| April-06 | \$ 393,333.33 | \$ 3,933,333.33 | | | | |
| May-06 | \$ 393,333.33 | \$ 4,326,666.66 | | | | |
| June-06 | \$ 393,333.33 | \$ 4,720,000.00 | | | | |



Cox Creek Site Development

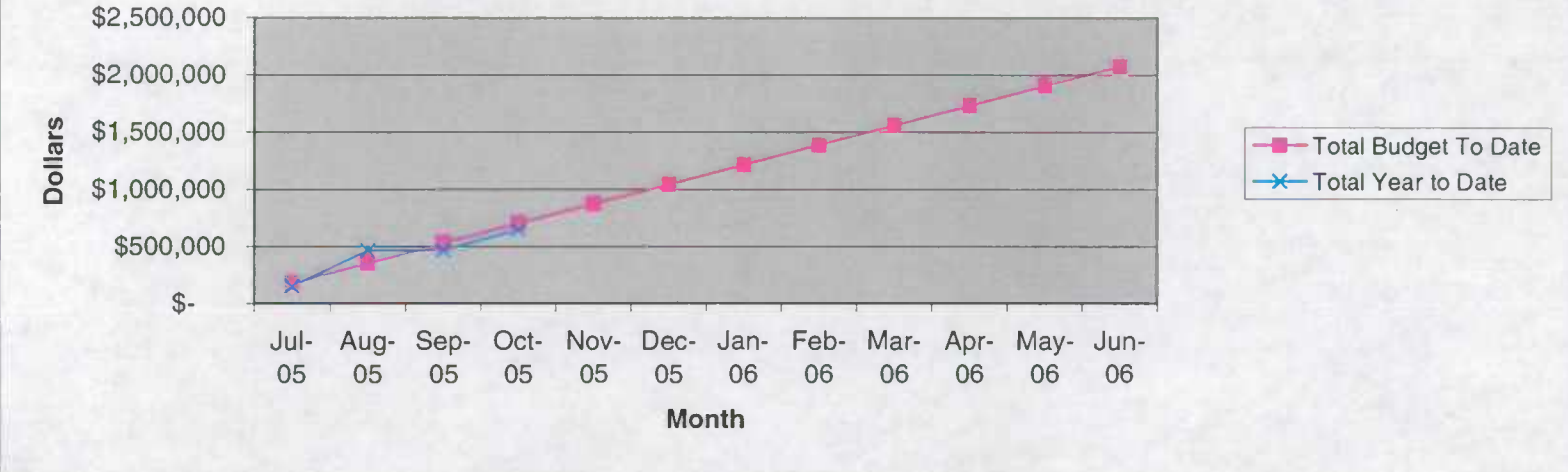
**MARYLAND PORT ADMINISTRATION AND MES
MES CLIENT CONTRACT #504907, PIN No. 53050040, MES Contract No. 03-07-32**

| | | | | |
|-----------------------|------------|-----------------|--------------|-----------------|
| Total Contract Amount | FY 06 | \$ 2,066,000.00 | Remaining | \$ 1,420,687.09 |
| Prior Fiscal Years | FY 05 | \$ 3,718,564 | \$ 3,356,446 | |
| Budget/Expended | FY 04 & 03 | \$ 1,500,000 | \$ 1,037,151 | |

| | Budget | Total Budget To Date | Monthly Expenditures | Total Year to Date | Actual Expended | Time Expended |
|--------------|------------|-------------------------|-------------------------|--------------------|--------------------|------------------|
| Jul-05 | \$ 172,167 | \$ 172,167 | \$ 153,607.53 | \$ 153,607.53 | 7% | 8% |
| August-05 | \$ 172,167 | \$ 344,333 | \$ 310,363.25 | \$ 463,970.78 | 22% | 17% |
| September-05 | \$ 172,167 | \$ 516,500 | \$ 1,129.76 | \$ 465,100.54 | 23% | 25% |
| October-05 | \$ 172,167 | \$ 688,667 | \$ 180,212.37 | \$ 645,312.91 | 31% | 33% |
| November-05 | \$ 172,167 | \$ 860,833 | | | | |
| December-05 | \$ 172,167 | \$ 1,033,000 | | | | |
| January-06 | \$ 172,167 | \$ 1,205,167 | | | | |
| February-06 | \$ 172,167 | \$ 1,377,333 | | | | |
| March-06 | \$ 172,167 | \$ 1,549,500 | | | | |
| April-06 | \$ 172,167 | \$ 1,721,667 | | | | |
| May-06 | \$ 172,167 | \$ 1,893,833 | | | | |
| June-06 | \$ 172,167 | \$ 2,066,000 | | | | |

Note - September's invoice amount of \$1,129.76 is offset by a SWO credit adjustment for charges made to 1202 - Dike Raising in the amount of \$133,138.34. The credit is a result of moving these charges related to dike raising efforts up to 24' to the correct cost center, Cox Creek Construction 792-7884.

Cox Creek Site Development 2006 Budget Vs. Actual



Cox Creek DMCF Site Development
With Dike Raising to 36' and Pier Construction

| ID | | Task Name | Duration | Start | Finish | Predecessors | Resource Names |
|-----|---|---|------------------|---------------------|---------------------|--------------|----------------|
| 1 | | Swan Creek | 509 days | Fri 8/15/03 | Tue 7/26/05 | | |
| 2 | ✓ | Vegetation Control | 316 days | Fri 8/15/03 | Thu 10/28/04 | | |
| 3 | ✓ | Phragmites Control- seed source | 4 days | Fri 8/15/03 | Wed 8/20/03 | | |
| 4 | ✓ | Phragmites Control- wetland | 1 day | Thu 8/28/03 | Thu 8/28/03 | | |
| 5 | ✓ | Phragmites Control- seed source | 2 days | Wed 10/6/04 | Thu 10/7/04 | | |
| 6 | ✓ | Phragmites Control- wetland | 2 days | Wed 10/27/04 | Thu 10/28/04 | | |
| 7 | | Beach clean up | 472 days | Tue 10/7/03 | Tue 7/26/05 | | |
| 8 | ↻ | Trash Clean up | 472 days | Tue 10/7/03 | Tue 7/26/05 | | |
| 102 | | | | | | | |
| 103 | | Storm Water Pond | 557 days | Tue 10/7/03 | Tue 11/22/05 | | |
| 104 | ✓ | Vegetation Control | 1 day | Mon 10/25/04 | Mon 10/25/04 | | |
| 105 | ✓ | Phragmites Control- spraying | 1 day | Mon 10/25/04 | Mon 10/25/04 | | |
| 106 | | Pond Clean up | 557 days | Tue 10/7/03 | Tue 11/22/05 | | |
| 107 | ↻ | Trash Clean up | 557 days | Tue 10/7/03 | Tue 11/22/05 | | |
| 218 | | | | | | | |
| 219 | | Dewatering | 930 days | Fri 4/11/03 | Wed 11/1/06 | | |
| 220 | ☒ | pumping | 844 days | Mon 8/11/03 | Wed 11/1/06 | | |
| 221 | ☒ | liming | 930 days | Fri 4/11/03 | Wed 11/1/06 | | |
| 222 | | | | | | | |
| 223 | | Contracted Construction Activities | 665 days? | Tue 8/5/03 | Fri 2/17/06 | | |
| 224 | ✓ | Spillways | 490 days | Wed 8/6/03 | Mon 6/20/05 | | |
| 225 | ✓ | pads and pilings | 86 days | Mon 10/6/03 | Fri 1/30/04 | | |
| 226 | ✓ | design/award | 167 days | Wed 8/6/03 | Wed 3/24/04 | | |
| 227 | ✓ | construction | 267 days | Fri 6/11/04 | Mon 6/20/05 | 226 | |
| 228 | | | | | | | |
| 229 | | Unloading Pier | 665 days? | Tue 8/5/03 | Fri 2/17/06 | | |
| 230 | ✓ | design/award | 371 days | Tue 8/5/03 | Mon 1/3/05 | | |
| 231 | ✓ | erosion and sediment control permit | 60 days | Thu 6/24/04 | Wed 9/15/04 | | |
| 232 | ☒ | construction | 200 days | Mon 5/16/05 | Fri 2/17/06 | | |
| 233 | ☒ | manage QA/QC contracts | 200 days? | Mon 5/16/05 | Fri 2/17/06 | | |
| 234 | | | | | | | |
| 235 | ✓ | Dike Raising-MES to 24' | 360 days | Mon 5/3/04 | Fri 9/16/05 | | |
| 236 | ✓ | Load and haul material | 360 days | Mon 5/3/04 | Fri 9/16/05 | | |
| 237 | ✓ | Place material | 360 days | Mon 5/3/04 | Fri 9/16/05 | | |
| 238 | ✓ | Grade material | 360 days | Mon 5/3/04 | Fri 9/16/05 | | |
| 239 | ✓ | Compact material | 337 days | Thu 6/3/04 | Fri 9/16/05 | | |
| 240 | | | | | | | |
| 241 | ✓ | Infrastructure | 423 days? | Wed 3/3/04 | Fri 10/14/05 | | |

Cox Creek DMCF Site Development
With Dike Raising to 36' and Pier Construction

| ID | | Task Name | Duration | Start | Finish | Predecessors | Resource Names |
|-----|---|---|-----------|--------------|--------------|--------------|----------------|
| 242 | ✓ | Electrical Service | 133 days | Fri 6/11/04 | Tue 12/14/04 | | |
| 243 | ✓ | Execute Contract with BGE | 5 days | Fri 6/11/04 | Thu 6/17/04 | | |
| 244 | ✓ | BGE Install Lines and Transformers | 25 days | Wed 11/10/04 | Tue 12/14/04 | | |
| 245 | ✓ | Maintenance Bldg | 373 days | Wed 3/3/04 | Fri 8/5/05 | | |
| 246 | ✓ | Clean up | 173 days | Wed 3/3/04 | Fri 10/29/04 | | |
| 247 | ✓ | Repairs | 11 days | Wed 12/1/04 | Wed 12/15/04 | | |
| 248 | ✓ | Interior electrical | 85 days | Mon 3/21/05 | Fri 7/15/05 | | |
| 249 | ✓ | Electrical connection | 40 days | Mon 5/23/05 | Fri 7/15/05 | | |
| 250 | ✓ | Roof Replacement | 55 days | Mon 5/23/05 | Fri 8/5/05 | | |
| 251 | ✓ | Storm drain repairs | 98 days? | Wed 6/1/05 | Fri 10/14/05 | | |
| 252 | ✓ | Bid/award | 22 days? | Wed 6/1/05 | Thu 6/30/05 | | |
| 253 | ✓ | execute contract | 19 days? | Tue 7/5/05 | Fri 7/29/05 | | |
| 254 | ✓ | costruction | 41 days? | Fri 8/19/05 | Fri 10/14/05 | | |
| 255 | | | | | | | |
| 256 | | City of Annapolis inflow 2005/2006 | 66 days? | Tue 11/1/05 | Tue 1/31/06 | | |
| 257 | | Mobilize | 4 days? | Tue 11/1/05 | Fri 11/4/05 | | |
| 258 | | Pumping | 34 days? | Tue 11/15/05 | Fri 12/30/05 | | |
| 259 | | Demobilize | 4 days? | Tue 1/3/06 | Fri 1/6/06 | | |
| 260 | | Dewatering | 21 days? | Tue 1/3/06 | Tue 1/31/06 | | |
| 261 | | | | | | | |
| 262 | | USACE awards 2006/2007 Dredging | 66 days | Tue 9/5/06 | Tue 12/5/06 | | |
| 263 | | Federal Inflow 2006/2007 | 66 days | Tue 9/5/06 | Tue 12/5/06 | | |
| 264 | | Mobilize | 7 days | Tue 9/5/06 | Wed 9/13/06 | | |
| 265 | | Pumping | 66 days | Tue 9/5/06 | Tue 12/5/06 | | |
| 266 | | Demoblize | 4 days | Tue 9/5/06 | Fri 9/8/06 | | |
| 267 | | | | | | | |
| 268 | | Crust Management 06/07 Inflow Season | 393 days? | Mon 4/3/06 | Wed 10/3/07 | | |
| 269 | | Dewatering | 100 days | Tue 2/6/07 | Mon 6/25/07 | | |
| 270 | | Perimeter Trenching | 90 days | Thu 5/3/07 | Wed 9/5/07 | | |
| 271 | | Recover & Stockpile material | 80 days | Thu 5/3/07 | Wed 8/22/07 | | |
| 272 | | Cut Trenches | 68 days | Thu 5/17/07 | Mon 8/20/07 | | |
| 273 | | Fill Trenches/Prep Inflow | 20 days | Thu 9/6/07 | Wed 10/3/07 | 270 | |
| 274 | | | | | | | |
| 275 | | Dike Construction to 36' | 195 days | Mon 4/3/06 | Fri 12/29/06 | | |
| 276 | | | | | | | |
| 277 | | USCG DREDGING | 67 days? | Mon 5/1/06 | Tue 8/1/06 | | |

| ID | | Task Name | Duration | Start | Finish |
|----|----|--|------------------|---------------------|--------------------|
| 1 | PI | PIERP-MES SCHEDULE FY '05 | 254 days | Fri 10/8/04 | Fri 10/7/05 |
| 2 | | | | | |
| 3 | | Cell 3D Development | 466 days | Mon 1/12/04 | Tue 11/8/05 |
| 4 | | Tidal Channels | 290 days | Thu 3/4/04 | Fri 4/22/05 |
| 5 | PI | Cell Excavation Test | 5 days | Thu 3/4/04 | Fri 4/22/05 |
| 6 | PI | Perimeter Trench Excavation and Surface Drainage | 39 days | Fri 6/11/04 | Fri 8/20/04 |
| 7 | ✓ | Sampling (Moisture) | 0 days | Wed 3/17/04 | Wed 3/17/04 |
| 8 | ✓ | Phase I Channel Excavation (3rd & 2nd Order - est. 3000 cy) | 10 days | Mon 3/22/04 | Fri 4/2/04 |
| 9 | ✓ | Phase I Channel Material Grading | 18 days | Mon 4/5/04 | Wed 4/28/04 |
| 10 | ✓ | Survey of Cell 3D | 0 days | Thu 4/29/04 | Thu 4/29/04 |
| 11 | PI | Sampling (Moisture) - at completion | 0 days | Wed 12/29/04 | Wed 12/29/04 |
| 12 | PI | As-Built Survey of Cell 3D | 0 days | Wed 12/29/04 | Wed 12/29/04 |
| 13 | ✓ | Corps Review | 10 days | Tue 5/4/04 | Mon 5/17/04 |
| 14 | PI | Major Channel Excavation (est. 18000 cy); Minor Grading | 71 days | Wed 5/19/04 | Fri 8/27/04 |
| 15 | PI | Sampling (Moisture) and Cell 3D Topo Survey | 0 days | Mon 7/5/04 | Mon 7/5/04 |
| 16 | | Survey of Cell 3D | 0 days | Mon 8/30/04 | Mon 8/30/04 |
| 17 | | Corps Review | 5 days | Thu 9/2/04 | Thu 9/9/04 |
| 18 | PI | Finalize high/ low marsh elevations (2.2'/1.5') and finalize all channel grades - Fill low areas | 80 days | Mon 9/13/04 | Wed 1/5/05 |
| 19 | | | | | |
| 20 | | Outlet Structure | 298 days | Mon 1/12/04 | Mon 3/14/05 |
| 21 | ✓ | Plan | 55 days | Mon 1/12/04 | Mon 3/29/04 |
| 22 | | Final Design | 110 days | Tue 3/30/04 | Wed 9/1/04 |
| 23 | | Design | 50 days | Tue 3/30/04 | Tue 6/8/04 |
| 24 | PI | Bid Review | 10 days | Thu 8/19/04 | Wed 9/1/04 |
| 25 | | Procurement (MES) | 20 days | Thu 9/2/04 | Thu 9/30/04 |
| 26 | PI | Construction | 46 days | Mon 11/15/04 | Fri 1/21/05 |
| 27 | PI | Open cell 3D to tidal flow | 1 day | Mon 3/14/05 | Mon 3/14/05 |
| 28 | | | | | |
| 29 | | Planting | 413 days | Fri 3/26/04 | Tue 11/8/05 |
| 30 | | Design | 66 days | Fri 3/26/04 | Mon 6/28/04 |
| 31 | PI | Design | 56 days | Fri 3/26/04 | Mon 6/14/04 |
| 32 | | GBA 80% Design Submission | 0 days | Mon 6/14/04 | Mon 6/14/04 |
| 33 | | Design Review | 10 days | Tue 6/15/04 | Mon 6/28/04 |
| 34 | | Corps 90% Design Submittal | 0 days | Mon 6/28/04 | Mon 6/28/04 |
| 35 | PI | Bidding | 68 days | Tue 6/29/04 | Mon 10/4/04 |
| 36 | PI | Minimum Cell Flushing (2 months) | 45 days | Tue 3/1/05 | Mon 5/2/05 |
| 37 | PI | Planting | 111 days | Mon 4/11/05 | Thu 9/15/05 |
| 38 | PI | Additional Mulching | 2 days | Mon 11/7/05 | Tue 11/8/05 |
| 39 | | Cell 5 | 281 days? | Thu 6/24/04 | Tue 8/2/05 |
| 40 | PI | Maintenance Dewatering | 268 days | Thu 6/24/04 | Thu 7/14/05 |
| 41 | PI | Mining of sand for Cross Dike construction | 66 days | Tue 4/12/05 | Thu 7/14/05 |
| 42 | PI | Cross Dike Construction | 61 days | Tue 4/19/05 | Thu 7/14/05 |
| 43 | PI | dressing slopes | 12 days? | Fri 7/15/05 | Mon 8/1/05 |
| 44 | PI | As-Built survey | 1 day | Tue 8/2/05 | Tue 8/2/05 |
| 45 | | | | | |
| 46 | | Cell 6 | 345 days | Mon 10/18/04 | Wed 2/22/06 |
| 47 | PI | Planning for cell 6 closure (USACE) | 345 days | Mon 10/18/04 | Wed 2/22/06 |
| 48 | | | | | |
| 49 | | Federal Inflow 04/05 | 91 days | Mon 11/15/04 | Fri 3/25/05 |
| 50 | PI | Mobilization | 14 days | Mon 11/15/04 | Fri 12/3/04 |
| 51 | PI | Pumping | 72 days | Mon 12/6/04 | Fri 3/18/05 |
| 52 | PI | Demobilization | 5 days | Mon 3/21/05 | Fri 3/25/05 |

Updated August 31, 2005

| ID | Task Name | Duration | Start | Finish |
|----|---|-----------------|--------------------|---------------------|
| 53 | | | | |
| 54 | Crust Management 2005 | 208 days | Tue 3/1/05 | Tue 12/20/05 |
| 55 | Dewatering | 194 days | Tue 3/1/05 | Wed 11/30/05 |
| 56 | Perimeter Trenches and sump excavation | 143 days | Fri 3/25/05 | Fri 10/14/05 |
| 57 | Interior trenches | 121 days | Mon 6/13/05 | Wed 11/30/05 |
| 58 | Fill Perimeter Trenches and sumps - Prepair for 06 Federal inflow | 14 days | Thu 12/1/05 | Tue 12/20/05 |
| 59 | | | | |
| 60 | Cell 4DX - (Re-Grading) | 74 days | Wed 4/6/05 | Wed 7/20/05 |
| 61 | Remove Outfall Pipes Under Center Roadway | 6 days | Wed 4/6/05 | Wed 4/13/05 |
| 62 | Survey and Layout Cell | 3 days | Thu 4/14/05 | Mon 4/18/05 |
| 63 | Excavate Cell 4DX and Bring to Designed Grade | 57 days | Tue 4/19/05 | Fri 7/8/05 |
| 64 | Plant Cell 4DX | 3 days | Mon 7/18/05 | Wed 7/20/05 |
| 65 | | | | |
| 66 | Coaches Island Sand Replenishment | 155 days | Mon 4/11/05 | Wed 11/16/05 |
| 67 | Remove Debris and Fallen Trees | 10 days | Mon 4/11/05 | Fri 4/22/05 |
| 68 | Stockpile Sand | 5 days | Tue 5/10/05 | Mon 5/16/05 |
| 69 | Set Up Pump and Fuse Pipe | 5 days | Wed 7/27/05 | Tue 8/2/05 |
| 70 | Set Electrical Control Panel for Sand Pump | 2 days | Wed 8/10/05 | Thu 8/11/05 |
| 71 | Pump Sand | 6 days | Fri 8/12/05 | Sat 8/20/05 |
| 72 | Demobilize and as-built survey | 1 day | Tue 8/30/05 | Tue 8/30/05 |
| 73 | Additional Slope Construction | 3 days | Mon 11/14/05 | Wed 11/16/05 |
| 74 | Mechanics Building | 129 days | Fri 6/10/05 | Fri 12/9/05 |
| 75 | Form and Pour Slab | 17 days | Fri 6/10/05 | Tue 7/5/05 |
| 76 | Erect Building | 15 days | Wed 7/6/05 | Tue 7/26/05 |
| 77 | Change Motor in Door and Complete Punch List | 1 day | Thu 8/11/05 | Thu 8/11/05 |
| 78 | Install Electrical | 10 days | Mon 11/28/05 | Fri 12/9/05 |
| 79 | Roadway Repairs | 13 days | Mon 12/5/05 | Wed 12/21/05 |
| 80 | Off Load CR-6 | 5 days | Mon 12/5/05 | Fri 12/9/05 |
| 81 | Prep Roadways | 2 days | Mon 12/12/05 | Tue 12/13/05 |
| 82 | Place Stone | 6 days | Wed 12/14/05 | Wed 12/21/05 |
| 83 | | | | |
| 84 | Operatons Trailers on Poplar Island | 40 days | Mon 12/5/05 | Fri 1/27/06 |
| 85 | Electrical Upgrade | 10 days | Mon 12/5/05 | Fri 12/16/05 |
| 86 | Install New Septic System | 4 days | Mon 12/12/05 | Thu 12/15/05 |
| 87 | Set New Trailers | 2 days | Thu 1/26/06 | Fri 1/27/06 |
| 88 | Relocate Doublewides | 8 days | Mon 1/16/06 | Wed 1/25/06 |
| 89 | | | | |
| 90 | Federal Inflow 05/06 | 90 days | Wed 2/1/06 | Tue 6/6/06 |
| 91 | Mobilization | 10 days | Wed 2/1/06 | Tue 2/14/06 |
| 92 | Pumping | 72 days | Wed 2/15/06 | Thu 5/25/06 |
| 93 | Demobilization | 8 days | Fri 5/26/06 | Tue 6/6/06 |

Date: November 21, 2005

Project Status Report Form
prepared by
Harbor Development

Project Name: Site 92 Comprehensive Monitoring

MPA Project Manager: Dave Bibo

MES Project Manager: Elizabeth Habic

Assignee(s) (Consultants/Contractors):

MES
MDE
MGS

Contract Period:

05/1/98 – 06/30/06

Budget Line #

PIN #:

Contract #:

Task #, Name:

975

521100040

599910

Project Budget (Total):

\$1,126,259.11 (years 1-7)

Revisions:

Revision #:

% Complete (Total):

Year 1 & Year 2: 100%
Year 3 & Year 4: 100%
Year 5 & Year 6: 100%
Year 7: 70%
Year 8: 20%

% Expended (Total):

63.3% (\$713,034.22 through October 2005)

% Complete (FY 05):

FY 05 Budget: \$118,680.93
(FY05 budget is based on FFY05 budget of \$237,361.86
split 50/50 with CENAP
for the period of 10/1/04 – 9/30/05)

% Expended (FFY 05 Funds):

83%/\$98,497.67

Var/Balance:

17%/\$20,183.26

Expended during (FY 06):

Total: \$21,961.23

Var/Balance:

Project Goal(s): Management of site monitoring activities at Site 92

Project Objectives: Conduct management activities of site monitoring activities at Site 92

Project Status - Issues/Solutions (both required):

October:

See attached status report

November:

MES will prepare for and facilitate Contractor/Team meeting at Chesapeake City on November 8th.
MES will distribute final meeting summaries for the October 5th Contractor/Team and PI Team meetings.
MES will distribute draft and final meeting summaries for the October 26th Contractor/Team meeting.
MES will track scow placements as they are received from CENAP and distribute scow placement figures biweekly.
MES will coordinate PI Team activities during Year 8 Material Placement.

Date: 11/15/05

Project Status Report Form
prepared by
Harbor Development

Project Name: Site 92 Comprehensive Monitoring

Task #, Name: _____

Project Status - Issues/Solutions (both required):

MES will update MPA regarding the potential dissolution of MGS and how this might affect the Site 92 work.

PROJECT INFORMATION FOR YEAR 8 OF PLACEMENT

Amount of Contract: \$2,960,394.00

Amount of Dredged Material:

BD Survey – unknown until final survey

Total Removed-

Pay Yards-

IBD Survey – 700,000 CY

Amount of Material Dredged: 317,991 cy (contractor estimate as of 10/27/05)

Amount of Material Remaining To Be Dredged: unknown until final survey

Advertisement Date: July 11, 2005

Estimated Time To Complete: 107 days

NTP Issued: September 30, 2005

Weather Days: None as of 10/10/05

Completion Date: December

Signature/Date: David Belis 11/21/05
(Project Manager)

PROGRESS REPORT

Project: OPEN-WATER PLACEMENT SITE 92 Period: October 2005

MPA Contract No.: 599910

MPA PIN: 521100-40

CENAP Contract No.: DACW61-03-C-00031, Option Year 1

MPA Contract Amounts:

Year 3: \$157,430.09

Year 4: \$162,130.72

Year 5: \$164,790.13

Year 6: \$122,424.27

Year 7: \$118,680.93

A. Site Management

1. MES recorded scow placement locations and quantity of material placed at Site 92.
2. MES generated CAD figures of scow placement locations at Site 92.
3. MES sent biweekly updates on material placement at Site 92 to the PI Team.
4. MES prepared an agenda and handouts and attended the Contractor/Team meeting on October 5, 2005 in Chesapeake City.
5. MES drafted and distributed the draft action items for the October 5th Contractor/Team meeting on October 10, 2005.
6. MES drafted and distributed the draft meeting summary for the October 5th Contractor/Team meeting on October 19, 2005.
7. MES produced and distributed the Year 8 CENAP 25% Survey figure for the PI Team, which was performed October 17-18, 2005.
8. MES prepared an agenda and handouts, and attended the Contractor/Team meeting on October 26, 2005.
9. MES drafted the meeting summary for the October 26th Contractor/Team meeting.
10. MES received and reviewed the Contractor's Revised Work Plan (10/24/2005) for Year 8 material placement. MES received, reviewed, and distributed the Contractor's revision to the Revised Work Plan (10/24/2005) for Year 8 to the PI Team on 10/27/2005.
11. MES generated CAD figure of Contractor's Revised Work Plan (10/27/2005) for Year 8.

B. Consolidation and Resuspension (MGS)

1. MGS continued to analyze Year 7 survey and sediment data collected to date.
2. MGS began drafting the Year 7 Placement, Consolidation, and Erosion (PCE) Study.
3. MGS continued processing the Year 7 final / Year 8 pre-placement bathymetric survey with preliminary tidal data.
4. MGS conducted the pre-placement coring cruise on October 3, 2005.
5. MGS conducted the Year 7 final/ Year 8 pre-placement core collection on October 3, 2005 and began analyzing the sediment cores.
6. MGS attended the Contractor/Team meeting and PI Team meeting on October 5, 2005 in Chesapeake City.
7. MGS attended the Contractor/Team meeting on October 26, 2005 in Chesapeake City.
8. MGS submitted a monthly status report to MES for the month of October on October 31, 2005.

C. Benthic Community Evaluation

1. The benthic community evaluation will not be performed until approximately 18 months after the end of all placement activities at Site 92.

D. Technical Support (MDE) Report Period July-September

1. MDE activities will be reflected in the quarterly progress report submitted in January.

E. Technical Integration

1. MES coordinated studies and principal investigators to maximize efficiencies and exchange information during the Year 8 study period.
2. MES communicated with principal investigators as necessary to review findings of the studies and to coordinate activities.
3. MES verified and tracked deliverables, cruises, and findings as necessary.
4. MES provided overall program QA/QC to ensure that report and project elements met stated technical objectives.
5. MES provided technical information and guidance as necessary for current Site 92 placement actions and certifications.

F. Project Management

1. MES coordinated with MGS and MDE for submittal of project status reports.
2. MES facilitated a Principal Investigator (PI) Team meeting on October 5, 2005 in Chesapeake City.
3. MES began drafting meeting summary for the October 5th PI Team meeting.
4. MES continued to draft the MPA contract Amendment for Year 8 through Year 13, including Post-Placement Benthic Monitoring.
5. MES processed the CENAP contract Amendment 8, which deobligates unnecessary funding for Year 7 Turbidity Plume Studies by MGS and Courthouse Point Split Water Sampling by MDE.
6. MES monitored progress on all work tasks and informed the clients on its status.
7. MES submitted a monthly status report for the month of September on October 14, 2005 to MPA and CENAP.
8. MES submitted a monthly financial report to MPA for the month of September on October 14, 2005.

G. Turbidity Plume Monitoring

1. Turbidity plume monitoring is conducted only when placed materials exceed the authorized elevation of -14 MLLW and dragging is determined necessary. The elevation at Site 92 will be evaluated after all placement has ended for Year 8 and the Study Team will determine whether dragging is necessary and thus whether Turbidity Plume Monitoring is necessary.

Cox Creek DMCF
Task Update
October 2005

****All tasks included in this update (except where noted) are funded from the approved FY 06 and FY07 Cox Creek Operations and Monitoring Budget. Costs associated with specific Cox Creek monitoring tasks are not tracked separately, unless requested.****

Environmental Monitoring Tasks for Reporting Period:

Update: Monitoring activities at Cox Creek during the reporting period were based on the Cox Creek Discharge Permit. Since March 11, 2005, the spillways have been used for discharge and the Stormwater Monitoring Plan (2003) has been replaced with the State Discharge Permit.

With high copper and zinc concentrations occurring throughout the month, MES has been collecting additional daily grab samples and coordinating a 24-hour laboratory turn around time for results to assist in making operational decisions.

- Collection of 8-hour composite sample during stormwater discharge.
- Maintained and calibrated lab and field equipment daily.
- Monitored the pH of the pond in the North Cell daily.
- Transported daily and weekly samples to laboratory and compared the results with the discharge permit to maintain discharge.
- Hach kit tests were performed to test ammonia concentrations in the North Cell sump ponds during discharge.
- Performed turbidity tests in the North Cell pond hourly during discharge.
- Determined when and added lime to the North Cell pond based on pH levels and metal concentrations.
- Compiled data into monthly and quarterly reports for stormwater management and wetland monitoring.
- Continued implementing the monitoring plan for the Swan Creek mitigation area.
- Maintained analytical databases.
- Phragmites control measures were implemented.
- Ordered supplies for environmental monitoring.

Future: MES will continue the water quality monitoring and prepare the required reports. The Swan Creek Mitigation Area plan will continue to be implemented and monthly reports on the mitigation site will be submitted under separate cover.

Meetings, Tours & Events:

- 10/11/05 @ 8:30 a. m. – Cox Creek Operations Meeting – Location: On-site.
- 10/11/05 @ 9:30 a. m. – Unloading pier construction progress meeting w/ Corman-Imbach Marine Inc. – Location: On-site.

- 10/12/05 @ 11:30 p.m. – Biohabitats downloaded data from the tidal gauges in the Swan Creek mitigation area.
- 10/19/05 @ 17:00 p.m. – Cox Creek Citizens Oversight Committee Meeting. – Location: On-site.
- 10/21/05 @ 07:30 a.m. – Matt Gray with (MOS) conducted a bird survey in the Swann Creek Wetland.

Cox Creek Discharge Permit:

Update: The Cox Creek Discharge Permit became effective on December 1, 2004. A groundwater monitoring sampling plan was sent to MPA for review after which MPA intended to forward the plan to MDE.

Future Tasks:

A nutrient reduction plan is required 12 months after the first inflow. MES is coordinating with MPA in the development of the plan in coordination with the development of the HMI plan. Biomonitoring sampling will be conducted after first inflow.

Operations Tasks for Reporting Period:

Update: The MES operations group is currently conducting tasks which can be split into the following categories: general operations, equipment maintenance and repair tasks, and site management and other in an effort to prepare the Cox Creek site for future inflow operations.

Construction Activities (Weather Permitting):

- MES continued to dig trenches as needed for the flow of water towards the spillways in both cells. Trenches may need to be re-worked and/or moved in order to access suitable material.
- MES personnel graded and maintained the dike roadways. Additionally an access road was constructed to the front of Spillway 2 for equipment maintenance purposes.
- MES constructed a temporary berm area to contain the impending Annapolis Harbor Dredge Project.
- Suitable material continued to be pushed up, and MES continued to load dump trucks, move material to dike raising locations, and handle material when dumped in dike raising location. Both VSA and Colossal workers were on site aiding in operational activities. Work has begun on raising the dike to +36 feet, and as of October 6, 2005 a total of 905 truckloads (11,765 cy) of material has been placed, bringing the project to 5.8825% complete.
- Corman-Imbach Marine Inc. continued work on the unloading pier.

Equipment Maintenance and Repair Tasks:

- Daily operational maintenance performed on all heavy equipment.
- Daily servicing of 6" pumps.

Site Management and Other:

- Continue tracking assets and assigning appropriate I.D. tags (on-going process).
- Removing debris off the wetland area beach continues. Once the debris accumulation is enough to fill a container, MES will have a container delivered, load the accumulated debris, and remove it from the site.
- Biohabitats continue to monitor tidal gauges in the Swan Creek wetlands and download data.
- MES has been asked by MPA to look into the re-activation of the power sub station located on site. MES has contacted BG&E to begin the process of gathering information regarding resources, time line, cost, etc. for the re-activation of the sub station on site. MPA has contacted BG&E and provided the information necessary for BG&E to provide a cost proposal.
- MES began outfitting the scale house with shelving for storage purposes.
- Storm drain work is complete.
- Removal of asphalt for the unloading pier mitigation areas 1,2 & 3 is complete. The area was graded with 75 loads (1,125cy) of the Domino Sugar tailing material.

Construction Activities for the Reporting Period:

Update: MES is conducting construction inspection, subcontractor management, and working on future construction procurements. In an effort to make this update as comprehensive as possible, also included are the tasks completed by various subcontractors during the reporting period.

The following construction activities were completed in October, 2005

- East Coast Contracting work on the storm drain and bollard installation is complete.

The following construction activities were on-going or upcoming in October, 2005

- Corman-Imbach Marine continues work on the unloading pier. Work was underway placing concrete for the trestle deck slab and adjusting re-bar for the installation of the chamfer for the pier pile cap construction.
- The dike raising to +36 feet was started. A total of 905 truckloads (11,765 cy) of material were placed and completion is at 5.8825%.

Project Status Report Form
Prepared by
Harbor Development

Project Name:
Hart-Miller Island South Cell Environmental
Restoration Project (HMI SCERP)

Project Manager:
David Bibo

Assignee(s) (Consultants/Contractors):
MES

Contract Period:
2002-2007

Budget Line #:
735

PIN #:
50130040

Contract #:
500607

Task #, Name:
HMI SCERP

Project Budget:
\$1,800,000 (Total)
\$131,082(FY06)

Revisions:
None

Revision #:
None

% Complete – Work (Total):

% Expended - \$ (Total):

95%

94%/\$1,684,162

% Complete (Crnt FY): Var/Balance:

% Expended (Crnt FY): Var/Balance:

20%

3%/\$4,507

97%/\$126,575

Project Goal(s):

Restore the Hart-Miller Island South Cell creating a habitat for migratory birds, consisting of mud flats, nesting island, and uplands.

Project Objectives:

- Provide habitat for migratory birds.
- Allow citizens to observe the birds from viewing areas

Project Status Report Form
Prepared by
Harbor Development

Project Status - Issues/Solutions (both required):

Issues

- Gwen Meyer of the USACE conducted a vegetation survey of the South Cell uplands. She provided the MPA with a Memorandum for Record (MFR) that recommended annual mowing in the South Cell uplands, mowing/mulching around woody shrubs and trees, and continuing control of the invasive species, *Phragmites*, and controlling pokeweed and mile-a-minute vine with a broadleaf herbicide.
- The berm in front of Spillway 3 was removed and water was allowed to flow to the spillway. Unfortunately, the spillway was leaking and the berm in front of the Spillway had to be re-established.

Solutions

- MES will be developing a plan of action to deal with invasive species within the South Cell in the spring of 2006. An aerial spray for *Phragmites* was completed October 20, 2005. The future mowing, mulching and invasive species (other than *Phragmites*) tasks will be covered under the South Cell monitoring proposals that will be submitted annually.
- MES Operations and Engineering Staff are developing a punch list of items that need to be completed to make Spillway 3 fully functional. Improvements have been added to the weir board and gate structure. Caulking was applied to the seams between the weir boards and a Weather Watch^R membrane was adhered to the face of the structure.

Construction:

- Geo Con has completed almost all their tasks and they have demobilized.
- The USACE is preparing a punch list for items that need to be corrected prior to closing the contract. Punch list items include: ground cover replacement in some areas, repair of the walkway around the pond, and replacement of the light poles outside of the control building (see below).
- MES is managing all repairs related to the spillway (003): the contract was awarded to Strum Contracting Company. Strum was back on site and added improvements to the weir board and gate structure. Caulking was applied to the seams between the weir boards and a Weather Watch^R membrane was adhered to the face of the structure.
- Light poles outside of the control building and some of the walkway areas were fixed for the dedication ceremony by MES upon approval from MPA.

Environmental Monitoring:

- The SCERP is currently in Year 1 monitoring (November 2004-October 2005). The baseline monitoring year ended in November 2004. Interior water quality (MES) and interior sediment quality (UMCES) monitoring was conducted in the baseline year.
- MES is completing Year 1 interior water quality monitoring. One set of samples was collected on October 27, 2005 from the pond in front of Spillway 3, the pond where the pump is located and at N. 265 in the Bay.
- MES is preparing to conduct pre-discharge sampling at Spillway 003 after the gate is tested for leaks and the berm removed.
- MES submitted the Year 2 Monitoring plan and Proposal and received MPA approval.
- MES will track Year 1 and Year 2 separately, per MPA request and processed the

Project Status Report Form
Prepared by
Harbor Development

appropriate paperwork for financial tracking.

Total Project Amount: \$1,800,000
Total Funding Allocated for Year 1 Monitoring: \$88,232.08
Total Funding Allocated for Year 2 Monitoring: \$42,849.32
10/31/05 Invoice Amount: \$1,432.49
Total Remaining for Year 1 as of 10/31/05: \$83,727
Total Remaining for Year 2 as of 10/31/05: \$42,849.32
Total Remaining for Project as of 10/31/05: \$115,837

Signature/Date: David Bilw 11/21/05
(Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island DMCF

Task #, Name: _____

Project Name: Hart-Miller Island DMCF

Project Manager: David Bibo

Assignee(s) (Consultants/Contractors): MES

Contract Period: 07/01/05 – 06/30/06

Budget Line #670

PIN #:500200 40

Contract #: 384002A

Task #, Name:

Project Budget (Total): \$3,716,000

Revisions:

Revision #:

October Invoice: \$309,875.59

Year To Date: \$1,059,496.13

% Complete (Total): 28.5%

% Expended (Total): 28.5%

% Complete (Crnt FY): Var/Balance:

% Expended (Crnt FY): Var/Balance:

33.3%

66.7%

28.5%

71.5%

Project Goal(s): Operation of the containment facility efficiently, safely, and in compliance with discharge permit and regulatory requirements. To place the maximum amount of dredged material in the facility prior to the closure date.

Project Objectives:

- Operations of DMCF
- Complete Construction of and dedicate the South Cell Restoration Project
- HMI Well Monitoring Study, ensuring no migration of material is taking place
- Environmental Monitoring, meeting the discharge criteria
- Manage the area with 100-acre maximum pond size during inflow
- Development of a Filling Plan to maximize utilization of the North Cell
- Development of a closure plan for the North Cell

Project Status - Issues/Solutions (both required):

- **Temporary Berm Construction:** Current focus is dewatering and preparing for inflow. Material recovery continued for stockpile and construction of the temporary berm which is now complete. Placement of material in October has progressed as planned but the temporary loss of an end dump truck has occasionally slowed progress somewhat. A rental truck is still in use pending insurance settlement and receipt of a replacement for the articulated dump truck involved in the accident. The damaged Volvo articulated dumptruck has been removed from the island to Langenfelder Marine's yard.
- **North Cell Spillways and Discharge:** The inspection staff is preparing to go on 24-hour operation in early November for potential discharge from the North cell due to inflow from McLean Contracting and GLDD. At this time, there has been no discharge from the North cell due to the relatively small amount

Project Status Report Form

Prepared by

Harbor Development

Project Name: Hart-Miller Island DMCF

Task #, Name: _____

of inflow from McLean Contracting, low ph readings and highcopper, zinc and ammonia readings. GLDD mobilized to HMI on 10/4/05. The lighting at the South unloader pier has been partially repaired and two new light fixtures are on order and expected to be installed as soon as they come in.

• **South Cell:**

- Geo Con has completed almost all tasks and they have demobilized. The USACE is preparing a punch list for items that need to be corrected, prior to closing out the contract. Punch list items include:
- Ground cover did not initially prevent erosion and some washouts have occurred in the area of the footpath. Some repairs will be needed. MES will be making erosion repairs along the foot path as this is not part of the Corps of Engineers contract warranty.
- MES awarded the Spillway 3 reconstruction contract to Strum Engineering on May 2. Strum is now complete.
- HMI staff continues to monitor the water level in the cell. Water was added to the cell this month to maintain the required elevation.

- **South Cell Spillway** – Work is complete on contract repairs for the South Cell Spillway including punch list items. Operational testing of the spillway is planned during November.

- **Capital Equipment & Other Items:** There are two pieces of rental equipment on site - a dozer and a dump truck along with a short reach excavator on loan from Poplar Island. Equipment utilization and cost data continue to be developed in anticipation of a final decision on planned FY 2006 capital equipment purchases.

- **2005 Inflow Planning:** MPA, MES and GBA are working closely on detailed plans to manage, control, gather data and analyze 2005 inflow operations to insure that maximum utilization is made of the remaining capacity in the Hart-Miller Island DMCF. The same group is also looking to capture lessons learned for application at other DMCF's. Scheduled inflow operations include the current GLDD dredging of South Locust Point for MPA and Weeks dredging of the Baltimore Harbor Channels for the Corps of Engineers.

- **Oil Operation Permit:** The application for an Oil Operations permit for the HMI facility continues its smooth processing through MDE. An on-site inspection is scheduled for mid-November and we anticipate the permit to be issued with only minor modifications to existing procedures/facilities.

Date: November 21, 2005

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island DMCF

Task #, Name: _____

- **Marine Safety Review:** MES expects to receive a first draft of the marine safety review of Poplar, HMI and Cox Creek in November. The final report will be shared with MPA when it is complete.

Signature/Date: David Lelio 11/21/05
(Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Poplar Island Site Development

Task #, Name: _____

Project Name: Poplar Island Site Development

Project Manager: David Bibo

Assignee(s) (Consultants/Contractors): MES

Contract Period: 07/01/05-06/30/06

Budget Line # 770

PIN #: 51030040

Contract #: 502813

Task #, Name:

Project Budget (Total): \$4,720,000

October Invoice : \$282,992.08

Year To Date: \$1,312,631.84

Revisions:

Revision #:

% Complete (Total): 27.8%

% Expended – 27.8%

% Complete (Crnt FY):

Var/Balance:

% Expended (Crnt FY):

Var/Balance:

33.3%

66.7%

27.8%

72.2%

Project Goal(s): Operation of the project efficiently, safely, and in compliance with the regulatory requirements. To manage the material placement for maximum capacity while meeting the objectives of the project. Development of viable environmental habitat.

Project Objectives:

- **Environmental Monitoring, meeting the discharge criteria.**
- **Prepare and maintain the infrastructure for long term sustained operations.**
- **Conduct operations in compliance with environmental concerns.**
- **Recover sand for future operations.**
- **Develop the wetlands into a viable habitat.**
- **Conduct tours and site visits to tell the Poplar Island success story.**

Project Status - Issues/Solutions (both required): The current focus of the facility is to dewater the cells that received inflow during the 04/05-inflow season and proceed with crust management activities in those cells. Also to monitor erosion throughout the island and repair dikes and roads as needed.

Cost Management and Cell Drainage:

- **There were a total of 6,900 linear feet of perimeter trenches excavated during October.**

Date: November 21, 2005

Project Status Report Form
Prepared by
Harbor Development

Project Name: Poplar Island Site Development

Task #, Name: _____

- There were a total of 1,200 linear feet of interior trenches excavated during October.
- The total linear feet of trenches excavated to date are 136,878.
- MES excavated a wide center trench in Cell 3B. This trench will help with surface drainage and it is also the beginning of the Cell's main 3rd order channel.
- Crust management is 100% complete based on an 8-month estimated duration.
As long as efforts are productive, crust management activities will continue pending the start of the 05/06 inflow.

Cell 3D:

- MES continues to monitor the tidal exchange in cell 3D.
- No significant slope erosion noted this month.
- Environmental Concern (E.C.) conducted mulching on the habitat island and they continue to monitor plant growth throughout the cell.
- MES has taken over the responsibilities of watering the habitat island from E.C. as of 9/21/05.
Watering occurs every other day as necessary.

Cell 5:

- MES noticed no further settlement in the section that failed in late July. Final grades held through October 2005.
- Dredge material was excavated from Cell 2 and placed along the western and northern slopes of Cell 5 as erosion protection.
- The USACE directed MES to remove the habitat islands in cell 5A. MES removed and stockpiled 28,350 cy from the nesting Islands., This work began September 12th and was completed on October 26th.

Land base:

- MES personnel constructed the boarding ramp and filled the low area on the east end of the parking area with CR-6.

Cell 4DX:

- MES has taken over the responsibilities of watering the Grasses and shrubs planted by E.C. during the 3rd week of July. MES began watering these plants on 9/21/05. Watering occurs every other day as necessary.
- Dredge Material was placed along the 4C slope of the 4C/4DX dike. This work began on Oct. 4th and was completed on Oct. 7th.

Coaches Island:

- Additional seeding of the upper bank area was completed in early October. Rain and high tides during October have caused some erosion along the upper bank area of the island. MES will deploy a small crew to repair the eroded areas so the contractor can re-seed and mulch the slopes.

Maintenance Building:

- MES has selected a contractor to install permanent electrical service throughout the new maintenance building.

Date: November 21, 2005

Project Status Report Form
Prepared by
Harbor Development

Project Name: Poplar Island Site Development

Task #, Name: _____

Roadway Repairs:

- Roadway repairs are scheduled to commence after the initiation of inflow when manpower and equipment will be available for this work.
- The cost of CR-6 under the current contract with Langenfelder is \$19.22/ton. It is estimated that 6000 tons of CR-6 will be needed bringing material costs to \$115,320.
- The estimated total cost of the project is \$212,098.
- Delivery of the CR-6 scheduled for the week of September 26, 2005 has been delayed because of equipment problems with Langenfelder. The current delivery date is scheduled for November 2nd.

Operations Trailers on Poplar Island:

- Plans are being finalized to move the trailer compound to a new location east of the proposed septic system. This move is in anticipation of the Cell 6 closure and dike raising.
- A new layout plan has been prepared. Utilities relocations are necessary before this move can take place. Necessary repairs to improve the reliability, safety efficiency of the electrical system are being investigated as part of this relocation.
- MES is coordinating the installation/construction of the new septic field.

Oil Operation Permit:

- The application for an Oil Operations permit for the Poplar Island facility continues its smooth processing through MDE. We anticipate the permit to be issued with only minor modifications to existing procedures/facilities.

Marine Safety Review:

- MES expects to receive a first draft of the marine safety review of Poplar, HMI and Cox Creek in November. The final report will be shared with MPA when it is complete.

Signature/Date: David Belo 11/21/05
(Project Manager)

***** For Internal Use Only *****

POPLAR ISLAND ENVIRONMENTAL RESTORATION PROJECT
Environmental Monitoring Task Update
October 2005

All tasks included in this update (except where noted) are funded from the approved FY06 Poplar Island Environmental Restoration Project Operations and Monitoring Budget. Costs associated with specific Poplar monitoring tasks are tracked separately upon requested.

This update does not include MES activities associated with regular operations and crust management environmental monitoring.

Algae Monitoring

Algae monitoring began again in April 2005 and two sets of Poplar algae samples were collected this month. Several samples had high levels of *Anabaenopsis milleri*, a blue-green filament that has been found to be toxic. June samples were sent out for further toxicity analysis, but the results have not yet been received.

MES Tasks for Reporting Period:

- Collected 2 sets of samples and delivered them to DNR lab for analysis.
- Continued updating the 2005 algae spreadsheet.

Future: Algae monitoring is completed until next Spring. If any species of concern are found in the samples, the project team will continue to be notified and proper precautions will be taken at the site.

Volatile Solids Study

Update: MES completed the report on the volatile solids study. The report includes MDE's recommendations on interpretation of the data to assist in developing more realistic discharge guidelines based only on the sedimentological component of the total suspended solid analysis. MES presented the preliminary findings of this report to the Working Group on May 24th. MES submitted this report to MDE on October 28th.

MES Tasks for Reporting Period:

- Distributed draft report to project team for review.
- Submitted final report to MDE.

Future: MES will coordinate with MDE to determine if they agree with the findings of the study.

**Habitat Development Framework/
Adaptive Management Plan (EPATS Task 46)**

Update - Habitat Development Framework (HDF): MES finalized the 2005 version of the HDF and distributed it to the Working Group at the May meeting. As the 2004 monitoring and habitat development studies are received, they will be reviewed and recommendations will be compiled for incorporation into the 2006 version.

Update - Adaptive Management Plan (AMP): MES continues to manage the AMP. Under the EPATS Agreement (Task 46) and the ERP Agreement (Task 36), progress on this task is reported separately.

Future: MES will continue to update the HDF and provide support to the Adaptive Management Team.

Working Group (WG) Coordination

Update: MES has been providing all of the planning, coordination, handouts and meeting summaries, for the bi-annual working group and sub-group meetings. MES has also been drafting the monthly WG updates, as requested by CENAB and MPA. A WG meeting is scheduled for November 29th.

MES Tasks for Reporting Period:

- Development of the September WG update.
- Distributed the updated Framework Monitoring Schedule.
- Continued updating the Framework Monitoring Document.
- Stated coordinating the November WG meeting.

Future: MES will continue to provide monthly WG updates (for distribution by the Corps). MES will finalize the updated Framework Monitoring Document. MES will continue coordinating the November WG meeting.

Poplar Exterior/Framework Monitoring

Update: MES has completed the contracting with EA Engineering to perform the 2005 monitoring for sediment, water and benthic monitoring. MES has also coordinated with the appropriate laboratories and the Maryland Geological Survey (MGS) for analysis of the sediment, water and tissue samples for the 2005 exterior monitoring event. Furthermore, MES continues to manage the contractor performing 2005 faunal monitoring per the monitoring framework plan, and assisting the Corps with the management of their exterior monitoring contractors (NOAA, USFWS, USGS-BRD).

MES began contacting the framework monitoring researchers to determine when the 2004 draft reports will be submitted for review. Based on the schedule, reports were due to MES by 8/30/05. NOAA and Ohio University draft reports were received in late September, comments were sent to the Corps for review before being sent to the PI. USFWS has stated that they would have the SAV and wetland vegetation reports in during the beginning of November.

MES Tasks for Reporting Period:

- Contract management for exterior monitoring (contracts managed by MES).
- Coordination with Corps for 2005 exterior monitoring studies.
- Coordination with Corps contractors regarding 2004 reports.
- Reviewed NOAA and Ohio University reports.
- Submitted comments on the above reports to the Corps for review.

Future: MES will continue to manage the appropriate contracts for the 2005 monitoring tasks. EA will perform the benthic community and tissue monitoring in the fall. MES will continue to coordinate with the framework monitoring researchers regarding their 2004 reports. MES will begin work on the 2004 Annual Report, which will be finalized by January 2006.

Cell 3D Monitoring

Update: Cell 3D was open to tidal flow on March 14th. A flow meter was installed at the end of August; all data received from this meter will be forwarded to the Corps with the tide gauge data.

Starting in August, the UMCES Cell 3D work will be submitted under a separate progress report for EPATS Task 59.

MES Tasks for Reporting Period:

- Continued working on software for flow meter.
- Downloaded data from the flow meter and sent to CENAB.
- Downloaded data from the tide gauges on a weekly basis and sent to CENAB.

Future: MES will continue to implement the Cell 3D Monitoring Plan. MES will continue to attend Cell 3D planting progress meetings. Data downloaded from the tidal gauges and flow meters will be forwarded to the Corps on a regular basis.

Vegetation Monitoring/Control

Update: MES finished spot spraying the *Phragmites* stands on the site. Additionally, MES requested permission, through MPA, to spray *Phragmites* on Coaches and Jefferson Island in the fall. Permission from the Coaches Island owner was received in September. MES received permission to spray Jefferson Island in late October.

MES has developed and finished implementing the Nesting Island Monitoring Plan to determine if the reconstruction of the 2 nesting island in Cell 1B was successful in controlling vegetation and attracting nesting birds. A report on this monitoring plan will be completed by mid-December

MES Tasks for Reporting Period:

- Continue spot spraying *Phragmites* stands on site.
- Started spraying *Phragmites* at Coaches Island.
- Continued implementation of Nesting Island Monitoring Plan.

Future: MES will finish spraying *Phragmites* on Coaches and Jefferson Islands as the weather permits. MES will draft a short report on the findings of the Nesting Island Monitoring Plan monitoring in December.

Other

- MES accompanied MDE on a site visit to review the Oil Operations Permit application. A permit was issued by MDE in late October.

Project Status Report Form
Prepared by
Harbor Development

Project Name:

EPATS Task 59: Poplar Cell 3D Sediment and Plant Monitoring
 (This project is included under MES Open Ended Consulting EPATS)

MES Project Manager:

Jennifer Harlan

Assignee(s) (Consultants/Contractors):

Maryland Environmental Service
 UM Center for Environmental Science

Contract Period:

7/11/05 – 07/31/07

Budget Line #

PIN #:

Contract #:

Task #, Name:

1085

54000010

500912

EPATS #59
 Poplar Cell 3D
 Sediment and Plant
 Monitoring

Project Budget (Total):

\$535,871(Total Budget)

Revisions:

None

Revision #:

N/A

% Complete (Total):

15%

% Expended (Total):

2%

% Complete (Crnt. FY):

15% (Based on work anticipated vs. completed in FY06)

% Var./Balance (Crnt. FY):

85%

% Expended (Crnt. FY):

2%

% Var./Balance:

98%

Project Goal(s):

- To monitor Cell 3D to gauge the suitability of dredged material as a planting substrate by: studying the sediment biogeochemistry and pore water biogeochemistry, and assessing the success of the marsh plantings.

Project Objectives:

- To monitor Cell 3D to quantify the degree of success in meeting the goals of the project for establishing healthy marshes. To monitor the dissolved phase of the water in the dredged material substrate. To conduct analysis on the solid phase dredged material substrate. To determine how the pore water and sediments are affecting the plant growth. To map sediment erosion and accretion. To measure the success of the plantings within the marsh and on the habitat island. To determine what design features and cell treatments are the most successful in promoting good plant growth and coverage.

Project Status Report Form
Prepared by
Harbor Development

Project Status – Issues/Solutions (both required):

- **Issues**
 - None

- **Solutions**
 - None required.

- **MES Activities:**
 - Performed contractor oversight and management.
 - Prepared September progress report.
 - Reviewed UMCES bi-monthly progress report and forwarded to MPA.

- **UMCES Activities:**
 - Continued site visits to conduct pore water and sediment sampling.
 - Began analyzing sediment and pore water samples in laboratory.
 - Began processing vegetation survey information.

- **Future Activities:**
 - MES will continue subcontractor oversight and management, including report review, subcontractor management and invoice payment and schedule oversight.
 - UMCES continue deploying pore water peepers and finish analysis of vegetation survey data
 - UMCES will present a portion of their data at the PIERP WG meeting in November.
 - UMCES will sample the marker horizons in November.

Total Contract Amount: \$535,871

Total Amount of 10/31/05 Invoice: \$ 12,238.94

Total Amount Invoiced as of 10/31/05: \$12,295.00

Signature/Date: David Belso 11/21/05
(Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:
Cell Surveying Services at Poplar Island

MPA Project Manager:
Dave Bibo

This task is included in the overall PIERP ERP Contract

MES Project Manager:
Darren Fisher

Assignee(s) (Consultants/Contractors):

Contract Period:

Maryland Environmental Service

09/20/05 – 09/19/06

Budget Line #

PIN #:

Contract #:

Task #, Name:

1090 (new)

54020020

500828

ERP #37, PIERP

Project Budget (Total):

Revisions:

Revision #:

\$185,862

\$0

NA

% Complete (Total):

% Expended (Total):

0%

0% (based on Task 37 only)

% Complete (Crnt. FY): **% Var./Balance (Crnt. FY):**

% Expended (Crnt. FY):

0%

0% (based on Task 37 only)

Project Goal(s):

Provide cell-surveying services to the MPA and USACE for the management of cell development. Provide support to USACE for sampling activities within the cells at Poplar Island.

Project Objectives:

- Provide topographic surveys.
- Provide USACE sampling support.

Project Status:

MES Activities:

- Submitted proposal for ERP Task 37 to MPA on September 7, 2005.
- Received approval for task on September 20, 2005.
- Surveys began in October 2005. Final surveys will be provided to MPA and USACE when complete (anticipated to be complete in November 2005).
- MES and USACE worked together during survey and sampling activities.

Future Activities:

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Harbor Development

- MES to finalize surveying activities during the month of November 2005.
- MES to continue to support USACE sampling activities during the month of November 2005.
- MES to provide complete surveys to the MPA and USACE prior to inflow activities.

Total Contract Amount (Task 37 only): \$185,862
Total for Task 35 in September 2005 Invoice: \$20.02
Total Amount Invoiced for Task 35 as of 09/30/05: \$20

Signature/Date: David Buls 11/21/05
(Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:

Cell 6 Planning Services for the Poplar Island
Environmental Restoration Project

This task is included in the overall PIERP ERP
Contract

MPA Project Manager:

Dave Bibb

MES Project Manager:

Darren Fisher

Assignee(s) (Consultants/Contractors):

Maryland Environmental Service
GBA

Contract Period:

04/26/05 – 04/25/06

Budget Line #

PIN #:

Contract #:

Task #, Name:

1090 (new)

54020020

500828

ERP #35, PIERP

Project Budget (Total):

\$293,872

Revisions:

\$0

Revision #:

NA

% Complete (Total):

4%

% Expended (Total):

4% (based on Task 35 only)

% Complete (Crnt. FY): **% Var./Balance
(Crnt. FY):**

4%

% Expended (Crnt. FY):

4% (based on Task 35
only)

Project Goal(s):

Assist the MPA and USACE in the development of a plan for the closure of Cell 6 at Poplar Island.

Project Objectives:

- Provide joint planning team support.
- Participate in the Cell 6 closure and dike raising planning.
- Provide wetland and upland cell development support.
- Provide planning and management services.

Project Status:

MES Activities:

- Submitted proposal for ERP Task 35 to MPA on March 24, 2005.

Project Status Report Form
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Harbor Development

- Received approval for task on April 7, 2005.
- Executed contract for GBA Engineering's support for task on April 26, 2005.
- Received from USACE the 65% complete drawings of the Cell 6 closure for review and comment.
- Reviewed USACE 65% complete drawings of the Cell 6 closure.
- Comments submitted to USACE.
- Attend meeting on September 29, 2005 at Poplar Island to discuss the 65% complete drawings of the Cell 6 closure.

Contractor (GBA) Activities:

- Attend Poplar Operations meetings.
- Attend Poplar inflow schedule meetings.
- Attend Poplar pre-bid and pre-con meetings for maintenance items and upcoming inflow season.
- Attend Poplar Cell 6 closure meeting.
- Review and comment on 65% complete drawings of the Cell 6 closure.

Future Activities:

- GBA will continue to attend Poplar Island operations, cell 6 closure, inflow, and construction meetings.
- USACE to incorporate comments submitted by GBA, MPA, and MES into cell 6 drawings.

Total Contract Amount (Task 35 only): \$293,872

Total for Task 35 in September 2005 Invoice: \$1,693.43

Total Amount Invoiced for Task 35 as of 09/30/05: \$11,584

Signature/Date: David Belio 11/21/05
(Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:
Coaches Island Shoreline Stabilization

MPA Project Manager:
Dave Bibo

This task is included in the overall PIERP ERP Contract

MES Project Manager:
Darren Fisher

Assignee(s) (Consultants/Contractors):
Maryland Environmental Service

Contract Period:
08/23/04 – 12/31/05

| Budget Line # | PIN #: |
|----------------------|---------------|
| 1090 (new) | 54020020 |

| Contract #: | Task #, Name: |
|--------------------|----------------------|
| 500828 | ERP #34, PIERP |

Project Budget (Total):
\$244,806

| Revisions: | Revision #: |
|-------------------|--------------------|
| \$0 | NA |

% Complete (Total):

% Expended (Total):

99%

94% (based on Task 34 only)

% Complete (Crnt. FY): **% Var./Balance (Crnt. FY):**

% Expended (Crnt. FY):

99%

94% (based on Task 34 only)

Project Goal(s):

Provide shoreline stabilization and beach restoration services for Coaches Island.

Project Objectives:

- Completion of the shoreline stabilization design.
- Securing the erosion and sediment control permit.
- Securing a contractor and providing construction management services.
- Completion of the beach restoration.

Project Status:

MES Activities:

- Submitted proposal for ERP Task 34 to MPA on June 30, 2004.
- Received approval for task on August 23, 2004.
- Completion of shoreline stabilization design.

Project Status Report Form
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Harbor Development

- Secured erosion and sediment control permit.
- Secured contractor for shoreline stabilization services.
- Completed beach restoration.

Future Activities:

- Construction activities are complete.
- Meeting with Coaches Island owner, MPA, and MES was held on October 12, 2005.
- Final remaining items involving invoices for beach restoration activities. Task should be complete with October 2005 invoice.
- Additional work to be done on the Shoreline due to minor erosion will be completed by MES.
- Property owner has requested additional work to be completed by MES via an agreement with the property owner. Property owner to pay for these services.

Total Contract Amount (Task 34 only): \$244,806

Total for Task 34 in October 2005 Invoice: \$15,554.05

Total Amount Invoiced for Task 34 as of 10/31/05: \$231,350

Signature/Date: David Belio 11/21/05
(Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:
 EPATS Task 55: Swan Creek Tidal Monitoring

MPA Project Manager:
 Dave Bibo

(This project is included under MES Open Ended Consulting EPATs)

MES Project Manager:
 Thomas Humbles

Assignee(s) (Consultants/Contractors):
 Maryland Environmental Service

Contract Period:
 03/07/05 – 10/31/05

| | |
|----------------------|---------------|
| Budget Line # | PIN #: |
| 1085 | 54000010 |

| | |
|--------------------|----------------------|
| Contract #: | Task #, Name: |
| 500912 | EPATS Task #55 |

Project Budget (Total):
 \$29,914.97

| | |
|-------------------|--------------------|
| Revisions: | Revision #: |
| None | None |

% Complete (Total):

% Expended (Total):

75%

45%

% Complete (Crnt. FY): **% Var./Balance (Crnt. FY):**

% Expended (Crnt. FY): **% Var./Balance:**

80% 20%

21.96% 79%

Project Goal:

- To understand whether the single channel opening on the northern end of the mitigation site provides enough access for water level variation in the mitigation site to support the existing tidal wetland vegetation communities.

Project Objectives:

- To design a tidal flux monitoring plan.
- To obtain, install, and download three months of tide information within the wetland.
- To identify the tidal dynamics in the wetland, including tidal range and time for flood tide to progress from the inlet to the southern-most reach of the wetland, and estimate of the tidal prism and flushing characteristics of the wetland.

Project Status Report Form
Prepared by
Harbor Development

Project Status – Issues/Solutions (both required):

- **Issues**
 - None
- **Solutions**
 - None required.
- **MES Activities:**
 - MES prepared a progress report for the month of September.
 - MES reviewed and processed subcontractor and client invoices.
 - MES coordinated with M&N to ensure progress was on-going and the project remained on schedule.
 - MES to submit paperwork to extend contract to Dec. 31, 2005.
- **Contractor (M&N / Biohabitats) Activities:**
 - Biohabitats completed monitoring of the tidal gauges, downloading data, and coordinated with M&N.
 - Data analysis of the downloaded data was completed and potential remedial efforts were discussed for inclusion in the report.
 - Biohabitats completed a draft report for submission to M&N to state findings and submit recommendations for remediation.
- **Future Activities:**
 - MES will process contractor invoices and develop the progress report for November.
 - A summary report with recommendations will be submitted.

Total Contract Amount: \$ 29,915
Total October 2005 Invoice: \$219.54
Total Amount Invoiced as of 10/31/05: \$13,499.22

Signature/Date: David Bilio 11/21/05
(Project Manager)

HART-MILLER ISLAND DMCF
Environmental Monitoring Task Update
October 2005

All tasks included in this update (except where noted) are funded from the approved FY 06 and 07 Hart-Miller Island Operations and Monitoring Budget. Costs associated with specific HMI monitoring tasks are tracked separately upon request.

This update does not include MES activities associated with regular operations and crust management environmental monitoring.

Groundwater Study

Update: MES has reviewed the final MGS groundwater study; this will be forwarded to MPA for their files. MES has developed a plan for the future of the groundwater monitoring well study at HMI. This plan was reviewed by MPA and forwarded to MDE for their approval. MPA directed MES to coordinate with MDE to scale back the groundwater monitoring program and abandon the "old" HMI groundwater wells that have been replaced by the wells installed for the 2002/2003 study.

MES Tasks for Reporting Period:

- Completed groundwater well monitoring plan and budget, and submitted to MPA for review.
- Researched decommissioning process for old HMI groundwater wells.
- Scheduled licensed well drillers' site visits to obtain cost estimates for well closure work.
- Coordinated with MGS for receipt of MGS final report.
- Sent final groundwater monitoring plan to MDE for approval.

Future: MES will continue to follow up with MDE regarding proper closure of "old" monitoring wells and will have coordinate with MPA on the costs associated with closing these wells. The groundwater-monitoring plan incorporating the new wells will be implemented once approval is received from MDE. The MGS final report is will be forwarded to MPA.

Vegetation (*Phragmites*) Monitoring

Update: Helicopter Applicators received a Transportation Security Administration (TSA) waiver, and conducted the HMI aerial spray on 10/20/05. The aerial spray for *Phragmites* included the North and South Cells, along with the DNR marsh. The spray truck was used to apply Glypro[®] to the *Phragmites* growing on the dike areas and was returned to Cox Creek.

MES Tasks for Reporting Period:

- Coordinated scheduling and mobilization of equipment for the aerial spray.
- Oversaw aerial spray
- Conducted application of Glypro using the site spray truck.

Future: MES will receive MPA and MDA permission before spraying a broadleaf herbicide, other than Glypro[®], in the South Cell uplands and MES will develop a plan for controlling invasive plants such as pokeweed and mile-a-minute. Maryland Department of Agriculture pesticide regulation inspection is scheduled for November 8th. Plans to conduct a burn of the dead *Phragmites* in the late fall are being investigated with DNR Forest Service.

North Cell Closure / Sediment Sampling

Update: MES HQ staff attended inflow-planning meetings with MPA and GBA on October 20th. MES continued to coordinate with GBA regarding inflow planning and meeting preparation. Based on these meetings, MES is conducting additional sampling of the effluent and is preparing reports detailing the various factors that affect effluent parameters, procedures used to determine when to shut down a spillway and will be developing an SOP for the monitoring tasks.

MES Tasks for Reporting Period:

- Attended inflow planning meetings with MPA and GBA.
- Conducted bi-weekly sampling of North Cell pond water for metal, nutrients and TSS results.
- Conducted lab sample study to test metals results with increased TSS concentrations.
- Began drafting “Spillway Closure Scenarios” memorandum.
- Conducted sampling to calculate leakage rate through Spillway 007 weir boards and gates.
- Began drafting “Standard Operating Procedures for Environmental Monitoring”.

Future: MES will continue to assist the MPA and their consultants in preparing for the final years of inflow. MES will draft the above mentioned reports and distribute them to MPA and GBA for review. The next set of North Cell sediment samples will be collected in 2006, after inflow is received.

Discharge Permit

Update: MES continues to plan for the upcoming studies required by the new discharge permit. MES has developed a scope of work for the required mixing zone study and EA Engineering submitted a proposal for this work. Contracting for this task was completed in September 2005. Per the permit requirements, MES prepared a nutrient reduction plan that was sent to MPA in June for review and then forwarded it to MDE. MES received a response from MDE on the plan. The MPA, MES and EA meet on September 15th to discuss the next steps. Under the EPATS agreement, these tasks are detailed in a separate progress report (Task 61).

MES Tasks for Reporting Period:

- Completed and submitted quarterly Discharge Monitoring Report to MDE.
- Followed up with EA Engineering concerning mixing zone study.
- Researched discharge permit definitions of average calculations and loading calculations.

Future: MES and EA will implement the mixing zone study in order to keep the interim limits for ammonia, copper and zinc that were assigned in the permit. A re-sample for a failed biomonitoring test will be scheduled after inflow resumes.

Algae Monitoring

Update: MES conducted the final two algae sampling sets for the 2005 season on October 6th and 20th.

MES Tasks for Reporting Period:

- Sampling was conducted at 4 sites during the first sampling event due to lack of water at the North Cell sampling site. All 5 sites were sampled during the second event.
- The algae spreadsheet was updated.

Future: MES will send out the final algae spreadsheet when the nutrient data is received. Bi-weekly sample collection will resume in April 2006.

South Cell Vegetation/Soil Monitoring

Update: MES completed the tasks associated with the South Cell Vegetation/Soil Monitoring Plan. Sediment sampling was conducted in March and the remainder of the sediment sampling (additional infiltration monitoring) was completed in June when the vegetation surveys were conducted. The Final Consolidated Report for South Cell Soil and Vegetation was completed and attached as an appendix to the Final White Paper for Potential Closure Options for NC HMI-DMCF.

MES Tasks for Reporting Period:

- Assisted the GBA samplers with soil sampling activities in South Cell conducted to observe moisture content vs. depth.

North Cell (NC) Demonstration Plots

Update: At the March 31, 2005 NCCT meeting, the team decided to wait to discuss the development of the NC demonstration plots until the results of the South Cell sediment and vegetation survey data was received and reviewed. The test plot area has been selected and bermed off from inflow material.

Future: MES will work with the NCCT to determine how and when the demonstration plots will be built.

Other:

- MES attended the HMI Citizens Oversight Committee meeting in October.
- The fall SAV survey was conducted around HMI on September 21st. MES will draft a report detailing the findings of the spring and fall SAV surveys and forward to the MPA upon completion.
- MES completed an Oil Operations Permit Application for HMI and submitted to MDE. A site inspection is scheduled for November to finalize the permit.

Project Status Report Form
Prepared by
Harbor Development

Project Name:

MPA-MES-Maryland Geological Survey (MGS) 3-Way
 Coastal Geology Services IGA

(This project includes no billings by MES. All MES labor associated with this contract is billed through EPATs Task 2 or the cost center the services are associated with, through prior arrangement and with approval by MPA.)

MPA Project Manager:

Dave Bibo

MES Task Manager

Melissa Slatnick

Assignee(s) (Consultants/Contractors):

Maryland Environmental Service
 Maryland Geological Survey

Contract Period:

April 3, 1996 Through Dec 31, 2006

Budget Line #

PIN #:

Contract #:

Task #, Name:

1100 (new)

54010510

596924

MES / MGS Coastal
 Geology

Project Budget (Total):

Revisions:

Revision #:

\$300,000 (Original)

\$600,000 (Revised Total)

\$0,000 (Revised Total)

\$300,000

\$300,000

1

2

% Complete (Total):

% Expended (Total):

70% (based on amount committed not invoiced)

55.78%

% Complete (Crnt. FY):

% Rem. (Crnt. FY):

Expended (Crnt. FY):

Balance:

NA

NA

19.9%

\$629,604 committed to tasks.

\$270,395 uncommitted to tasks.

Project Goal(s): To provide coastal geology services to Port-related projects by the Maryland Geological Survey, with technical oversight by MES.

Project Objectives: To provide coastal geology services to the Dredged Material Management Program and Port related projects. To support environmental monitoring and documentation of MPA projects associated with Port activities, dredging projects, and environmental restoration projects and alternatives.

Project Status - Issues/Solutions (both required):

• Issues

- None.

• Solutions

Project Status Report Form
Prepared by
Harbor Development

- None required.
- MES Activities
 - Prepared the September progress report.
- MGS Activities
 - Please see attached MGS October Activity Report.
- Future Activities
 - MES will continue to work with MPA and MGS during the transition of MGS personnel.

Signature/Date: David Belo 11/21/05
(Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Monthly Activity Report
October 2005

| <u>Task Number</u> | <u>Task Name</u> | <u>Activity</u> |
|--------------------|--|---|
| 21 | James Island Survey and Interpretation | No activity |
| 26 | James Island Acoustic Survey | No activity |
| 28 | Sparrows Point Acoustic Survey | No activity |
| 30 | HMI Anoxic Well Monitoring | No activity |
| 35 | DMMP Support | Jeff Halka attended a BEWG meeting, and attended a Poplar Island Value Engineering meeting. |
| 36 | NOB 8-10 Resurvey | No activity. |
| 39 | PI Sediment Chemistry 04 | No activity. |
| 40 | PI Tide Gauges | MGS worked with MES personnel to resolve data downloading issues. |
| 41 | PI Sediment Quality | No activity. |

Date: November 20, 2005
For Period: 10/01/05 –10/31/05

Project Status Report Form
prepared by
Harbor Development

| | | | |
|---|---------------|--|--------------------------|
| Project Name: EPATS TASK 2 – Technical Support | | Project Manager: MPA – Dave Bibo MES – Tammy Banta | |
| Assignee(s) (Consultants/Contractors): MES General Physics | | Contract Period: January 1999 – June 2007 Task Term: May 1999 – June 2007 Reporting Period: August 2005 | |
| Budget Line # | PIN #: | Contract #: | Task #, Name: |
| 1085 | 54000010 | 500912 | 0302 – Technical Support |

| | | |
|--------------------------------|------------------------|--------------------|
| Project Budget (Total): | Revisions: | Revision #: |
| \$912,132 | \$ 100,000 added 8/00 | 1 |
| | \$ 100,000 added 6/01 | 2 |
| | \$ 100,000 added 10/01 | 3 |
| | \$ 100,000 added 04/02 | 4 |
| | \$ 200,000 added 09/02 | 5 |
| | \$16,000 added 03/03 | 6 |
| | \$200,000 added 06/05 | 7 |

| | | | |
|---|----------------------------|--------------------------------|---------------------|
| % Complete (Total): | % Expended (Total): | | |
| Ongoing – tasks assigned as needed by MPA | 81.9% | | |
| % Complete (Crnt FY): | Var/Balance: | % Expended (Crnt FY06): | Var/Balance: |
| | | 65.87% | 34.13% |

Project Goal(s): To provide support to MPA for dredged material planning.

Project Objectives: To meet the general technical support needs of MPA for DMMP planning, innovative use projects, meeting facilitation, and project management.

Project Status - Issues/Solutions:

Report Period: October 1 through October 31, 2005

October 2005:

- MES continued support to the DMMP process by maintaining the BEWG list-serve and facilitating the October 4th BEWG meeting. MES prepared and distributed a draft meeting summary on October 20th. Preparations began for the November 8th BEWG meeting.
- MES managed the General Physics contract for State DMMP meeting summaries. Per MPA approval on October 13, 2005, MES processed a change order for General Physics to continue support services on this task until June 30, 2007. General Physics signed and returned the contract extension to MES on October 21st.
- MES continued to manage the MPA/MES/MGS Coastal Geology Services IGA for MPA.
- MES performed project management duties related to record keeping, review, processing and recording of invoices and production of the status report for the month of September.
- MES coordinated with MPA and began development of a new MOU with MPA to replace the existing EPATS agreement.
- MES provided MPA with revisions on October 28th to an MPA letter of application for a Port EMS grant to the Global Environment and Technology Foundation.
- MES executed a contract with EcoLogix Group for Tasks B-E of the RFP on October 11, 2005. The tasks included the following: Task B-Innovative Use Program Development Support, Task C-DMMP Policy, Federal Participation and Stakeholder Coordination, Task D-Port Organization & Operations, Customer Coordination, Public Relations and Community Enhancement Alternative Funding Support, Task E-Harbor Feasibility Study Community Outreach and Public Involvement.
- MES then prepared an amendment letter On October 15th, adding Task A to the contract with EcoLogix. Task A included State DMMP Community Outreach and Public Involvement Support. Ecologix signed the letter amendment on October 17, 2005.
- MES developed and submitted EPATS Task 62 entitled Outreach, Planning and Technical Services to MPA for authorization on October 10th. This task included Tasks B-D listed above. MPA authorization was received on October 25th.
- MES issued notice to proceed to EcoLogix Group on October 14th for Task E-Harbor Feasibility Study Community Outreach and Public Involvement. This task was previously authorized by MPA under EPATS Task 56 Harbor Technical Support.
- MES issued notice to proceed to EcoLogix Group on October 25, 2005 for Tasks B-D of the contract.
- MES staff attended a meeting on the Masonville MOU on October 27th.
- MES developed a project list chart that indicates the MES manager, task manager and support staff on MPA projects.
- MES processed a change order for General Physics support of DMMP meetings on

Future Work Anticipated in November 2005:

- MES will continue to support the State DMMP process. MES prepared and distributed a final meeting summary from the October 4th BEWG meeting on November 3rd. MES will coordinate with MPA on items to be discussed at the next BEWG meeting scheduled for

November 8th. MES will facilitate the meeting, develop an agenda, and prepare a sign in sheet and meeting summary for this meeting.

- MES is awaiting response from MPA (Bill Lear) on whether MES should continue to develop the Cox Creek Innovative Use scope of work, proposal, and budget that will be submitted under the new MOU with MPA for EPATS type services.
- MES will develop a Task Proposal for Task A - State DMMP Community Outreach and Public Involvement Support for submittal to MPA under the new EPATS MOU.
- MES will send the final project list chart that indicates the MES manager, task manager and support staff on MPA projects to MPA.

Invoiced for October: \$19,639.35
Invoiced to Date up to October 31, 2005: \$747,757.90
Remaining as of October 31, 2005: \$164,374.10

Signature/Date: David Bulo 11/21/05
(Project Manager)

Project Status Report: to 10/31/05

Project Manager: John Vasina

Fiscal Year 2006

| <u>No.</u> | <u>Line No.</u> | <u>PIN#</u> | <u>Contract #</u> | <u>Description</u> |
|-------------------|------------------------|--------------------|--------------------------|--|
| 1 | 785 | 55000010 | 597849 | C&D Pre-Construction Eng. Design |
| 2 | 950 | 52080040 | 597827 | Oyster Reseeding Program |
| 3 | 1005 | 52210040 | 502814 | Chesapeake Bay Ports System |
| 4 | 1010 | 52160020 | 500829 | UM Current Meter Study |
| 5 | 1015 | 52240020 | 502821 | UM Economic Studies |
| 6 | 1055 | 52170020 | 501918 | UM Ballast Water Study |
| 7 | 1085 | 54000010 | 500912 | Site Maint. Work at Masonville |
| 8 | 1085 | 54000010 | 500912 | Task #37 Masonville Expansion |
| 9 | 1095 | 54010510 | 598819 | Dredged Material Recycling (Agricultural Use) |
| 10 | 1125 | 54010740 | 500910 | MDE Ballast Water Program |
| 11 | 1155 | 54100010 | 502820A1 | Blackwater Nat'l Wildlife Refuge Pl. |
| 12 | 1170 | 54130010 | 502820D1 | Analysis of Benefits of Dredging of 50' Channel |

Project Status Report Form
Prepared by John Vasina
Harbor Development

| | | | |
|---|------------------------|--|------------------------|
| Project Name: | | Project Manager: | |
| C&D Pre-Construction Engineering Design | | John Vasina | |
| Assignee(s) (Consultants/Contractors): | | Contract or Task Period: | |
| U.S. Army Corps of Engineers | | 04/23/97 – 09/30/02 (original) | |
| Budget Line # | PIN #: | Contract #: | Task #, Name: |
| 785 | 600104-B | 597849 | |
| Project Budget (Total): | | Revisions: | Revision #: |
| \$1,250,400 (as of point of study suspension in FY '01) | | | |
| % of Work Complete (Total): | | % Expended \$ (Total): | |
| 100.00% (as of point of study suspension in FY '01) | | 99.97% (as of point of study suspension in FY '01) | |
| % of Work Complete (Crnt. FY): | % Var./Balance: | % Expended \$ (Crnt. FY): | % Var./Balance: |
| 0% | 0% | 0% | 0% |

Project Goal(s):
 To determine optimal design of the C&D Canal deepening project and to undertake an economic evaluation of the project to justify the project's implementation.

Project Objectives:
 To complete the Pre-construction, Engineering and Design phase of the Chesapeake & Delaware (C&D) Canal deepening project.

Project Status - Issues/Solutions (both required):

Issues:

- ◆ The economic evaluation, if based on the currently available information, would reflect number of negative trends that are short term in nature. Therefore, it would not constitute a suitable basis for making a long term decision pertaining to the project.

Project Status Report Form
Prepared by John Vasina
Harbor Development

Solutions:

- ◆ Secretary John Porcari recommended to Lt. Colonel Brown of the Philadelphia District Corps of Engineers in his letter of January 16, 2001 to defer consideration of the economic justification of the project until a number of additional factors can be appropriately considered. (including: Vessel operating costs; temporary decline in the number of container vessel arrivals at the Port of Baltimore; shipping industry trends, etc.). The Corps agreed to follow Secretary's recommendation and the project was postponed by three years to allow more representative, long term trends, to be considered.
- ◆ MPA procured consultant (Dr. John Martin) to investigate the economic feasibility and justification for C&D Canal deepening. Dr. Martin is scheduled to complete his investigations approximately in July 2004.
- ◆ John Martin's study was completed in September and is currently under pier review.
- ◆ The Corps of Engineers is in process of issue their C&D report.

Signature/Date: _____

 11-21-05

(Project Manager)

Project Status Report Form
Prepared by John Vasina
Harbor Development

Project Name:

Oyster Reseeding Program

Project Manager:

John Vasina

Assignee(s) (Consultants/Contractors):

Department of Natural Resources

Contract or Task Period:

06/01/02 – 06/30/05

Budget Line #

950

PIN #:

52080040

Contract #:

597827

Task #, Name:

Project Budget (Total):

\$19,625,000

Revisions:

\$4,875,000

Revision #:

2

% of Work Complete (Total):

78.00%

% Expended \$ (Total):

75.16%

**% of Work Complete
(Crnt. FY):**

30.00%

% Var./Balance:

70.00%

**% Expended \$ (Crnt.
FY):**

0.00%

% Var./Balance:

100.00%

Project Goal(s):

To provide large quantities of shells for habitat restoration of oyster population in the Chesapeake Bay.

Project Objectives:

To increase oyster population in the Chesapeake Bay.

Project Status - Issues/Solutions (both required):

Issues:

- ◆ **Program was originally structured so that each dollar was awarded for each cubic yard of dredged material that was placed in an open water site in the Bay. Under the current Agreement, the MDOT contributions to the Oyster Recovery program were scheduled to end in FY '02.**
- ◆ **DNR's George Hearlth provided invoices for the FY 2003 activities in the amount of \$1,625,000.**

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Prepared by John Vasina
Harbor Development

Solutions:

- ◆ **New Agreement was executed between MDOT and DNR that will secure funding of the program through FY 2005. Beginning in FY 2002, MDOT shall pay to DNR annual payment of \$1.625M from the Transportation Trust Fund.**
- ◆ **DNR's repayment of any funds previously advanced to by MDOT is forgiven.**
- ◆ **Continuation of the program funding was re-authorized in July, 2003 by MDOT.**
- ◆ **Description of the program is being placed on the MPA web-site.**
- ◆ **Billing by DNR is expected in March 2004 for the FY 2004.**
- ◆ **DNR is being contacted (Chris Judy) to bill for FY '04 funds.**
- ◆ **DNR submitted invoice in the amount of \$1.625M for FY 2004 activities.**
- ◆ **DNR also submitted report pertaining to the fund expenditures in FY 2004 as required by the MDOT/DNR Agreement.**
- ◆ **The contract will expire June 30, 2005; needs to be extended (if applicable).**
- ◆ **Draft memo to the Secretary is being drafted to obtain instruction if the contract should be terminated or extended to future years.**
- ◆ **Chris Judy of DNR will submit FY 05 invoice in April.**
- ◆ **Meeting with DNR and MDOT was held in June 2005 pertaining to the three-year amendment to the existing contract. The three-year extension was signed by Secretaries of MDOT and DNR in July, 2005.**

Signature/Date:


(Project Manager)

Project Status Report Form
Prepared by John Vasina
Harbor Development

Project Name:

Chesapeake Bay Ports System

Project Manager:

John Vasina

Assignee(s) (Consultants/Contractors):
The National Oceanic and Atmospheric Administration

Contract or Task Period:

10/25/01 – 10/25/06

Budget Line #

1005

PIN #:

52210040

Contract #:

502814

Task #, Name:

Project Budget (Total):

\$1,575,650

Revisions:

Revision #:

% of Work Complete (Total):

75.00%

% Expended \$ (Total):

97.04%

% of Work Complete (Crnt. FY):

30.00%

% Var./Balance:

70.00%

% Expended \$ (Crnt. FY):

100.00%

% Var./Balance:

0.00%

Project Goal(s):

To support safe and efficient navigation by providing ship masters and pilots with accurate real-time information required to avoid groundings and collisions.

Project Objectives:

To design, install, manage on ongoing basis, operate, maintain, and repair NOAA's Upper Chesapeake Bay Physical Oceanographic Real-Time System (PORTS).

Project Status - Issues/Solutions (both required):

Issues:

- ◆ **New centralized voice system was implemented during the month of March, 2002. The system was installed in Silver Spring, MD, complete with full back up, and providing local (Silver Spring) and toll-free numbers to cover each PORTS.**
- ◆ **MPA needs current update of the status.**

Solutions:

- ◆ **MPA executed an Addendum to the contract to finance operation and maintenance in FY '04 (cost: \$215K);**

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Prepared by John Vasina
Harbor Development

- ◆ MPA approved the new centralized voice system on February 20, 2002.
- ◆ The toll free number assigned to the PORTS Chesapeake Bay site is (866) 247-6787
- ◆ Richard Permenter of NOAA gave the update at Harbor Coordination & Safety Committee meeting on October 2, 2002.
- ◆ Meeting took place in May with NOAA and Md. Pilots to discuss issues pertaining to PORTS system in the Chesapeake Bay.
- ◆ Richard Permenter is permanently retiring in August, 2003. David MacFarland became new NOAA PORTS Program Manager.
- ◆ Kate Bosley is working full-time in another program and she is no longer involved in PORTS activities.
- ◆ Meeting with Md. Pilots and NOAA took place on November 7, 2003. Dave McFarland of NOAA discussed issues with MPA and Pilots that were raised by Pilots before retirement of Rich Permenter of NOAA.
- ◆ PORTS system begin fully implemented in the Chesapeake Bay area in February, 2004
- ◆ There is a plan for celebration of the implementation of the system at the Secretary's level with NOAA.
- ◆ MPA Office of Communication will continue planning of the celebration; per Darlene Frank, this task will be assigned to other communications personnel after departure of Richard Berkow.
- ◆ MPA contacted NOAA in May pertaining to the FY 2004 O&M invoice. NOAA will provide MPA with approximately \$215K invoice in June 2004.
- ◆ Meeting is planned for July, 2004 with NOAA, Maryland Pilots and MPA to discuss issue pertaining to safety navigation in the Chesapeake Bay.
- ◆ MPA accrued the \$215K expenditures for FY 2004.
- ◆ The new Addendum to the Agreement for 2004 was executed in September, 2004.
- ◆ Marty Welch of NOAA was contacted at (301) 713-2897, ext. 129 in January, 2005 to obtain an accrued bill from NOAA to cover FY 2005 cost of maintenance of the system.
- ◆ The FY 2005 bill from NOAA was paid in June 2005.
- ◆ Installation of additional air gap sensors under Chesapeake Bay bridge is in process and the cost will be added to FY 2006 maintenance billings (approx. \$90K increase).
- ◆ The Addendum 003 for operation and maintenance period from May 1, 2005 through April 30, 2006 was signed on 10/18/05. Maintenance invoice was paid 11/08/05.

Signature/Date: _____

(Project Manager)

John Vasina 11-21-05

Project Status Report Form
Prepared by John Vasina
Harbor Development

Project Name:

UM Current Meter Study

Project Manager:

John Vasina

Assignee(s) (Consultants/Contractors):

University of Maryland

Contract or Task Period:

05/31/00 – 06/30/06

Budget Line #

1010

PIN #:

52160020

Contract #:

502829

Task #, Name:

Project Budget (Total):

\$553,701

Revisions:

Revision #:

% of Work Complete (Total):

81.00%

% Expended \$ (Total):

81.07%

% of Work Complete

(Crnt. FY):

30.00%

% Var./Balance:

70.00%

% Expended \$ (Crnt.

FY):

39.04%

% Var./Balance:

60.96% (favorable)

Project Goal(s):

To enhance the present shipboard-based Monitoring Program with continuous data to aid the detection of long term change in the Bay ecosystem and to forecast water levels currents and weather over the Chesapeake Bay area that will assist in vessel navigation and environmental work for the State's dredged material management program.

Project Objectives:

The purpose of this contract is to allow the University of Maryland Center for Environmental Studies to consult, deploy and maintain a Chesapeake Bay Observing System (CBOS) for the MPA.

Project Status - Issues/Solutions (both required):

Issues:

- ◆ The final report will be delivered on or before September 30, 2005 to the MPA. MPA will request interim progress report at the end of the FY 2002.

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Harbor Development

Solutions:

- ◆ MPA will contact Dr. William Boicourt in Spring, 2003 to request the interim progress report.
- ◆ Dr. Boicourt requested no cost extension to 06/30/06 to implement Bay-wide effort for surface wave measurements. MPA has granted the no cost extension on March 21, 2005.

Signature/Date: _____

John Vasina 11-21-05

(Project Manager)

Project Status Report Form
Prepared by John Vasina
Harbor Development

Project Name:

UM – Economic Studies

Project Manager:

John Vasina

Assignee(s) (Consultants/Contractors):

University of Maryland (Dr. Dennis King)

Contract or Task Period:

02/01/02 – 01/31/06

Budget Line #

1015

PIN #:

52240020

Contract #:

502821

Task #, Name:

Project Budget (Total):

\$457,690

Revisions:

\$249,750; \$320,879

Revision #:

2

% of Work Complete (Total):

68.00%

% Expended \$ (Total):

68.07%

% of Work Complete

(Crnt. FY):

30.00%

% Var./Balance:

70.00%

% Expended \$ (Crnt.

FY):

28.26%

% Var./Balance:

71.74% (favorable)

Project Goal(s):

To support selection of the dredged material placement sites to be included in the Governor's Strategic Plan for dredged material management .

Project Objectives:

To create an economic model that would address comparison of the costs, risks, and benefits of dredged material management options.

Project Status - Issues/Solutions (both required):

Issues:

- ♦ **MPA requested report for the work done to date.**
- ♦ **Dr. King asked for the Amendment to the contract to continue work to January 31, 2004.**
- ♦ **Dr. King requested meeting with MPA to discuss issues pertaining to the cost/benefit ratios allocations for the DMMP suggested placement options, the Inner Harbor sites economic issues, and the issues pertaining to the economic study of the ballast water issue.**

Project Status Report Form
Prepared by John Vasina
Harbor Development

Solutions:

- ◆ Dennis King delivered the requested report in April, 2003.
- ◆ MPA approved Amendment #1 in December 2002.
- ◆ Several meetings took place in October to address economic issues pertaining to the Strategic Plan.
- ◆ Dr. King submitted to MPA proposal of the scope of work, under the Amendment #2 to the existing contract, to continue work in Year 3 on the project.
- ◆ Amendment #2 to the contract was executed in December 2003 for \$320,879 with time extension to 01/31/05.
- ◆ Meetings with Dennis King and MPA take place each month to discuss the issues pertaining to the Corps' economic analysis and other economics issues related to DMMP program.
- ◆ Dr. King's staff is involved in economic analysis of the Poplar Island expansion; the meeting with the Corps are scheduled to take place in May.
- ◆ Various frequent meetings are scheduled to discuss Corps DMMP and prepare presentations and analysis.
- ◆ Dr. King's staff is working with MES on economics analysis for Mid-Chesapeake Bay and Poplar Expansion projects.
- ◆ Dr. King is also working on the expansion of Dr. Martin's report pertaining to C&D cost/benefit justification study.
- ◆ Dr. King will meet with us in November to discuss work in 2005.
- ◆ Amendment #4 was processed and executed..
- ◆ Meeting with UMCES was held in March 2005; the work was planned to cover Inner arbor Sites and Bay projected sites GIS and other economic areas, and also one of the task will cover Blackwater Project preliminary economic evaluations.
- ◆ Meeting with UMCES was held in July 2005 to discuss scope of work and report generation to support DMMP process.
- ◆ Meeting to discuss issues pertaining to work in process is scheduled for October, 2005. The discussion will also include potential scope of work for FY 2007.

Signature/Date:


(Project Manager)

Project Status Report Form
Prepared by John Vasina
Harbor Development

Project Name:

UM Ballast Water Study

Continuation of contract # 501918

Assignee(s) (Consultants/Contractors):

University of Maryland

Project Manager:

John Vasina

Contract or Task Period:

12/08/04 – 12/31/05

Budget Line #

1055

PIN #:

52170010

Contract #:

505916

Task #, Name:

Project Budget (Total):

\$99,984

Revisions:

Revision #:

% of Work Complete (Total):

75.00%

% Expended \$ (Total):

75.25.0%

% of Work Complete

(Crnt. FY):

60.00%

% Var./Balance:

40.00% (favorable)

% Expended \$ (Crnt.

FY):

47.28.00%

% Var./Balance:

52.72 (favorable)

Project Goal(s):

To identify improved methods for ballast water treatment and management and prevention of boat transport of invasive species.

Project Objectives:

To conduct realistic shipboard trials of methods for the treatment of ballast water, with specific emphasis on the Chesapeake Bay. The primary (voraxial separator) and secondary (ultraviolet irradiation and chemical biocide) treatments to be rigorously tested in the ballast tanks of an ocean going commercial vessel in Baltimore Harbor under normal ballasting conditions.

Project Status - Issues/Solutions (both required):

Issues:

- ◆ **Additional work is necessary to probe various issues pertaining to the measurement of the particulate separatory efficiency of the primary treatment (voraxial separator) and of the viability of bacteria, zooplankton and phytoplankton subjected to both primary and secondary treatments and other issues that arised during the course of study which need to be addressed in order to successfully complete the ballast water study.**

Project Status Report Form

Prepared by John Vasina

Harbor Development

- ◆ **The new system is being currently installed on Cape Washington by Dr. Wright and his technical support (Hyde Marine, Inc. and General Shipyard Co.) There are issue with possible deployment of the ship in Persian Gulf.**

Solutions:

- ◆ **First Amendatory Agreement to the contract was approved in December 2002 for additional funding of \$308,697 with the term extended to December, 2004.**
- ◆ **Meeting between MPA and UMCES was held in September, 2002 to address issues pertaining to the Amendment.**
- ◆ **University of Maryland was requested to provide MPA with a statement of absence of conflict of interest due to principal investigators (Drs. Wright & Dawson) having patent with C-Clean.**
- ◆ **The Phase II of the study will be conducted using the same technology (Maritime Solutions, Inc. microfugal separator) provided it is functional.**
- ◆ **The Phase II will take place on the MARAD ship (other than Cape May) docked in the Port of Baltimore. The MARAD ship was not allocated to the project as of February 28, 2003.**
- ◆ **Trip was made to Flemington, NJ to observe Maritime Solutions' separator in February 2003.**
- ◆ **Several meetings are scheduled for June and July to coordinate work of UM**
- ◆ **Maritime Solutions, Inc. withdrew from the joint project with UM to pursue testing of their own system.**
- ◆ **Drs. David Wright and Roger Dawson, along with project partner Thomas Mackey of Hyde Marine, Inc. presented the results of their earlier work at the 2nd International Ballast Water Treatment R&D Symposium held at the headquarters of the International Maritime Organization (IMO) in London on July 21-23, 2003.**
- ◆ **The University of Maryland started to publish a periodical pertaining to the ballast water issues.**
- ◆ **UM together with Hyde Marine, Inc. will install experimental treatment system on the board of Cape Washington by the end of November, 2003.**
- ◆ **Dr. Wright submitted preliminary proposal for the extension of the contract to MPA in December 2003. (The proposal is currently being reviewed by MPA).**
- ◆ **Debbie Aheron of MARAD is discussing details of work with Dr. Wright and both parties try to set up contingencies for possible deployment of the Cape Washington to the Persian Gulf.**
- ◆ **Cape Washington was deployed in Gulf war; MPA and UM are looking for temporary placement of the equipment off shore to continue with the study.**
- ◆ **Negotiations are in process to place the equipment and continue with the study at MPA's Clinton Street location.**
- ◆ **Meeting is scheduled for July 2004 with MPA management to discuss the project in general, ROE, and the amendment to the contract.**
- ◆ **ROE was approved in July 2004**

Project Status Report Form

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Harbor Development

- ◆ **Contract Amendment to proceed with Phase I of the new study cycle was signed in December, 2004. This work is going to proceed under contract no. 505916 on budget line # 1181.**
- ◆ **Meeting with UMCES (Sharon Moesel) was held in July 2005. MPA requested report from UMCES at the end of contract extension (Spring 2006), and closure of the project.**
- ◆ **Equipment at Clinton Street is fully installed, and testing is taking place as scheduled.**
- ◆ **Meeting was held at Clinton Street in August to observe workability of the system.**
- ◆ **UMCES provided schedule of work for the rest of the contract that will culminate in report to MPA.**

Signature/Date: _____


(Project Manager)

Project Status Report Form
Prepared by John Vasina
Harbor Development

| | | | |
|---|------------------------|----------------------------------|------------------------|
| Project Name: | | Project Manager: | |
| Site Maintenance Work at Masonville | | John Vasina | |
| Assignee(s) (Consultants/Contractors): | | Contract or Task Period: | |
| Maryland Environmental Service | | 09/09/02 – 12/31/04 | |
| Budget Line # | PIN #: | Contract #: | Task #, Name: |
| 1085 | 54000010 | 500912 | 35 |
| Project Budget (Total): | | Revisions: | Revision #: |
| \$657,378 | | \$33,599 | |
| % of Work Complete (Total): | | % Expended \$ (Total): | |
| 99.50% | | 99.13% | |
| % of Work Complete (Crnt. FY): | % Var./Balance: | % Expended \$ (Crnt. FY): | % Var./Balance: |
| 90.00% | 10.00% (favorable) | 0.00% | 100.00% (favorable) |

Project Goal(s):

To condition the site for further development in support of terminal operations .

Project Objectives:

To suppress phragmites and provide rough grading of the inner harbor Masonville site.

Project Status - Issues/Solutions (both required):

Issues:

- ◆ The scope of work incorporates use of aerial applicator and extensive rental of heavy equipment.

Solutions:

Active grading and clearing is occurring, with five pieces of equipment in use today. Where grading has occurred, the phragmites growth appears to be mostly controlled. Approximately 50% of the site is graded, and an additional 20% has been cleared and is in the process of being graded. Spraying of approximately 16 acres occurred on July 15, 2003. It is anticipated that this spraying will kill the phragmites

Project Status Report Form

Prepared by John Vasina

Harbor Development

above ground growth, but only provide minimal killing of the roots. Jim Sammis of WeedPro informed us that we may not see signs of the Phragmites dying off for 7-10 days, but the plants will begin to translocate the herbicide within 24 hours and this will start the dying process. MES observed signs of yellowing on some of the sprayed phragmites. MES will continue to clear and grade the site including the newly sprayed phragmites. All phragmites as well as the root mat are to be hauled off site to the Quarantine Road landfill. All reasonable effort will be made to remove any phragmites roots and above ground material from the site and not buried on site. Once the site is graded, no spraying will occur until September when the phragmites is fully tasseled. At this time, WeedPro will perform an aerial spray of the entire site at the most appropriate time to kill the phragmites roots and plants.

MES is still looking at completion of grading by the end of July, with the exception of the north side where stabilization still needs to occur. Luis has forwarded a sketch of the areas in need of stabilization. MNE has forwarded specifications for stone and geogrid to David Ferguson who is pursuing costs to provide MPA and MNE with a cost to stabilize these two areas.

Craig Huntley of MES first met Ken at the cell 5 site to discuss boring locations. EBA expects to be on site the end of next week and will be using an ATV for accessing the boring sites. Larry Walsh met us to see the site as well. JMT has previously staked out the existing pipe to make locating the alignment easier.

On phase II, the entire site is graded and rolled, except for the northern end that still needs to be stabilized. David Ferguson is to get Craig cost estimates as well as a record of available funds in the contract. Once we have this information, we can determine how much can be stabilized within the existing funding. A final survey needs to be done on the site, but this should wait until the site is fully stabilized. This is the same area where URS is planning SWM and we will coordinate with their plans.

The phragmites are coming back in some areas, but not heavily or to the point of tufting. If spraying is put off as late as possible, this would be around the third week of October. According to Jim Sammis and everyone else Craig have spoken to, unless the Phrag is tufting, there will not be full translocation to the roots. Because of this, and the fact that the phrag is very thin throughout the site. It appears that the most practical approach is to schedule spraying from a truck or with backpack sprayers and to not use aerial spraying. Once this is agreed upon, we need to let Jim Sammis of Weedpro know, so he can schedule accordingly.

Possible new phase of the project could be implemented to accommodate terminal for Mercedes Benz.

Additionally there is a need to make additional adjustment to discharge system.

Signature/Date: _____

 11-21-05
(Project Manager)

Project Status Report Form
Prepared by John Vasina
Harbor Development

Project Name:

Masonville Expansion

Project Manager:

John Vasina

Assignee(s) (Consultants/Contractors):

Maryland Environmental Service

Contract or Task Period:

07/15/03 – 12/31/04

Budget Line #

1085

PIN #:

54000010

Contract #:

500912

Task #, Name:

37

Project Budget (Total):

\$178,675

Revisions:

\$20,000; \$273,059

Revision #:

2

% of Work Complete (Total):

85.00%

% Expended \$ (Total):

98.762%

% of Work Complete

(Crnt. FY):

85.00%

% Var./Balance:

15.00% (favorable)

% Expended \$ (Crnt.

FY):

31.41%

% Var./Balance:

68.59% (favorable)

Project Goal(s):

Preliminary engineering assessment and design for the Masonville Dredged Material Containment Facility.

Project Objectives:

Preliminary design analysis for an expansion of the existing DMCF incorporating features that will facilitate cell closure and conversion and integration into the MPA's Masonville Marine Terminal operation.

Project Status - Issues/Solutions (both required):

Issues:

- ◆ **Unanticipated need to design a replacement of approximately 500 linear feet of 42-inch corrugated metal storm drain pipe which has collapsed at the Masonville site.**

Solutions:

- **Additional funding of \$20K was approved on August 12, 2003.**
- **Meeting was held on October 27 with MPA's Engineering Department and**

Period to: 10/31/05

Project Status Report Form
Prepared by John Vasina
Harbor Development

Moffatt & Nichol Engineers to discuss additional study needs; specifically, additional borings needed to locate sand borrow areas.

- **Storm drain system needs to be possibly adjusted, proposal is being prepared by Moffatt & Nichol (anticipated in September 2005).**
- **Additional info on MES enclosure.**

Signature/Date:


(Project Manager)

Masonville Engineering and Technical Support

EPATS TASK 37 MONTHLY PROGRESS REPORT

Project: Masonville Engineering and Technical Support

MPA Project Manager: John Vasina

Reporting Period: October 2005

MPA Contract No.: 500912

MPA PIN: 54000010

MDOT Budget Line #: 1085

Contract Amount for Task 37: \$451,734

Contract Term: 01/01/99 – 06/30/07

Task Term: 07/15/03 – 06/30/06

Subtask 37.13 Task Planning, Technical, Environmental and Administrative Services (MES)

This report documents the status of activities related to the engineering and technical services for the expansion of the Masonville Dredged Material Containment Facility (DMCF). These services include: development of a Cost/Benefit analysis for filling a 5 acre wet basin; evaluation of alternative DMCF retention structures near pier 3; evaluation of the 48" water main line relocation; project management for the development of the Masonville and Fairfield Terminals; and technical support on field engineering investigations and surveys.

Task Status

During the month of October, MES provided project and task management services including:

- Preparation and submittal of monthly status report to MPA.
- Review and process of subcontractor invoices and progress submittals.
- Requested MPA approval to reallocate unused funds under M&N Subtasks 37.1 and 37.7 to fund additional work to be performed by M&N under Subtask 37.4 to provide additional grading alternatives for the ultimate development of the Masonville Dredged Material Containment Facility.

The October invoice to MPA in the amount of \$11,854.54 includes an invoice from M&N dated September 2005 in the amount of \$10,251.32 for services provided in August. MES received and processed M&N's October invoice for the services provided during the month of September. This invoice in the amount of \$10,974.49 will be included in the November invoice to MPA. The invoices include the following M&N services:

- Subtask 08: Wet Basin Cost/Benefit Analysis
Received review comments from MPA on Draft Report.

- Subtask 09: Alternate DMCF Retention Structure
Prepared and submitted to MPA review, Berth Alternate 4B, which is designed to accommodate larger Ro-Ro vessels. Prepared Alternate 4B cost estimate and submitted it to MPA for review.
- Subtask 10: 48" Water Line Relocation
Made presentation to MPA relative to status of concept design. Geotechnical investigation is underway. Coordinating design effort with RK&K.
- Subtask 11: Masonville DMCF Program Management
Provided coordination and oversight of several design consultants. Conducted monthly Masonville status meeting with MPA.
- Subtask 12: Masonville Phase 2 Storm Drain Relocation
Preparing 30% design submittal.

Below is a Subtask status update for October provided by M&N:

- Subtask 08: Wet Basin Cost/Benefit Analysis
Revising Wet Basin Cost/Benefits Analysis in response to review comments.
- Subtask 09: Alternate DMCF Retention Structure
No work this period
- Subtask 10: 48" Water Line Relocation
Reviewed engineering proposal from RK&K and forwarded comments to MPA.
- Subtask 11: Masonville DMCF Program Management
Provided coordination and oversight of several design consultants. Conducted monthly Masonville status meeting with MPA.
- Subtask 12: Masonville Phase 2 Storm Drain Relocation
Submitted 30% design package to MES for review. Proceeding with preparation of 85% design submittal.

Total Amount of October Invoice to MPA:

Task 37 – \$11,854.54

Total Amount Invoiced to MPA to date as of this Invoice:

Task 37 - \$ 297,908.45

Contract Amount Remaining as of October 31, 2005 Invoice:

Task 37 - \$153,825.55

Project Status Report Form
Prepared by John Vasina
Harbor Development

| | | | |
|--|------------------------|----------------------------------|------------------------|
| Project Name: | | Project Manager: | |
| Dredge Material Recycling (Agricultural Use) | | John Vasina | |
| Assignee(s) (Consultants/Contractors): | | Contract or Task Period: | |
| University of Maryland - Wye Agricultural Laboratory/MES | | 09/01/97 – 12/31/06 | |
| Budget Line # | PIN #: | Contract #: | Task #, Name: |
| 1095 | 600105-S | 598819 | |
| Project Budget (Total): | | Revisions: | Revision #: |
| \$384,835 | | | |
| % of Work Complete (Total): | | % Expended \$ (Total): | |
| 88.00% | | 87.94% | |
| % of Work Complete (Crnt. FY): | % Var./Balance: | % Expended \$ (Crnt. FY): | % Var./Balance: |
| 30.00% | 70.00% | 4.71% | 95.29% (favorable) |

Project Goal(s):

To make preliminary recommendation that the agricultural use of dredge material is either viable option to be considered for Governor's Strategic Plan for Dredged Material Placement or it should not be considered for the inclusion in the Plan. . Specifically, to investigate the feasibility of using dredged material on agricultural land as a soil supplement or soil amendment.

Project Objectives:

To address the benefit created through improving unproductive land (farmland). Additional objective is to quantify the value of unproductive farmland vs. the improved value of the land if dredged material increases agricultural yields.

The MPA initiated this project in 1998, with three major objectives – to perform a feasibility study for agricultural recycling of dredged material; to attempt to find recycling options for up to 500,000 cubic yards of dredged material annually; and to investigate agricultural, horticultural and industrial application of dredged material, defining soil and water quality and crop germination and production factors.


Project Status Report Form
Prepared by John Vasina
Harbor Development

Project Status - Issues/Solutions (both required):

Ken Staver sent his draft proposal for continuation of the study of agricultural use of dredged material on August 1, 2004. MES is in the process of reviewing and editing the Wye proposal and preparing an overall proposal for the next phase of this work for MPA.

MES will discuss the logistics of obtaining dredged material from Courthouse Point with USACE Philadelphia for next spring. Mr. Staver will revise his proposal to update some dates after hearing about the status on the dredged material from Courthouse Point and submit to MES. MES will work on a draft proposal for MPA review for future work. It will be combined with Ken Staver's proposal and folded into an overall proposal for the entire task for submission to MPA. MES is continuing to work on a draft proposal for MPA review for future work. It will be combined with Ken Staver's proposal and folded into an overall proposal for the entire task for submission to MPA.

Signature/Date:

 11-21-05

(Project Manager)

Project Status Report Form
*Prepared by Maryland Environmental Service (MES) for
Harbor Development*

Project Name:
Dredged Material Recycling

MPA Project Manager:
John Vasina

Assignee(s) (Consultants/Contractors):
Maryland Environmental Service
USDA- Beltsville
University of Maryland - Wye Agricultural
Research Center

MES Task Manager: Karen Cushman
Contract Period: 9/1/1997 – 12/31/2006

| | | | |
|----------------|---------------|--------------------|----------------------|
| MDOT #: | PIN #: | Contract #: | Task #, Name: |
| 1095 | 54010510 | 598819 | |

| | | |
|--------------------------------|-------------------|--------------------|
| Project Budget (Total): | Revisions: | Revision #: |
| \$384,835.39 (Original) | | |

| | |
|----------------------------|----------------------------|
| % Complete (Total): | % Expended (Total): |
| 88% | 12% |

| | | | |
|-------------------------------|------------------------------|--------------------------------|-----------------|
| % Complete (Crnt. FY): | % Rem. (Crnt. FY 06): | Expended (Crnt. FY 06): | Balance: |
| 26% | 89% | \$3,956.03 | \$46,425.87 |

Project Goal(s): To investigate the feasibility of using dredged material on agricultural land as a soil supplement or soil amendment.

Project Objectives: The MPA initiated this project in 1998, with three major objectives – to perform a feasibility study for agricultural recycling of dredged material; to attempt to find recycling options for up to 500,000 cubic yards of dredged material annually; and to investigate agricultural, horticultural and industrial application of dredged material, defining soil and water quality and crop germination and production factors.

Progress Towards Objectives: Ken Staver sent his draft proposal for continuation of the study of agricultural use of dredged material on August 1, 2004. MES is in the process of preparing an overall proposal for the next phase of this work for MPA.

Project Status - Issues/Solutions (both required):

MES finished reviewing the Wye proposal and contacted Mr. Staver to discuss. MES has contacted Chip DePrefontaine with USACE, Philadelphia District to discuss the logistics of obtaining dredged material from Courthouse Point for next spring. Mr. DePrefontaine informed MES that dry material from Courthouse Point would be available next spring. Mr. Staver has been informed of the status of the material and will revise his proposal to update some dates and costs and resubmit to MES. MES is currently awaiting Mr. Staver's revised proposal. MES is continuing to work on a draft proposal for MPA review for future work. It will be combined with Ken Staver's proposal and folded into an overall proposal for the entire task for submission to MPA. On October 17th, MES submitted a monthly status report to MPA.

Signature/Date: Karen Cushman 11/3/05
Project Manager

Project Status Report Form
Prepared by John Vasina
Harbor Development

| | | | |
|---|------------------------|----------------------------------|------------------------|
| Project Name: | | Project Manager: | |
| MDE Ballast Water Program | | John Vasina | |
| Assignee(s) (Consultants/Contractors): | | Contract or Task Period: | |
| Maryland Department of the Environment | | 01/31/03 – 01/01/05 | |
| Budget Line # | PIN #: | Contract #: | Task #, Name: |
| 1125 | 54010740 | 500910 | |
| Project Budget (Total): | | Revisions: | Revision #: |
| \$161,000 | | \$0 | |
| % of Work Complete (Total): | | % Expended \$ (Total): | |
| 100.00% | | 92.38% | |
| % of Work Complete (Crnt. FY): | % Var./Balance: | % Expended \$ (Crnt. FY): | % Var./Balance: |
| 0.00% | N/A | 0.00% | N/A |

Project Goal(s):
 Implementation of reporting of information by maritime industry to MDE about ballast water. (Maryland legislation enacted in 2000 created an enforceable requirement for the maritime industry).

Project Objectives:
 MPA's funding support helps MDE to start the program, draft and promulgate regulations, and set up the ongoing reporting framework.

Project Status - Issues/Solutions (both required):

Issues:

- ◆ Program was originally funded from MPA's operating budget.

Solutions:

- Approval has been received from Secretary Porcari to amend the existing MOU between MPA and MDE (Contract No. 500910) and allow MDE to conduct work in support of MDE's ballast water program under this contract.
- MDE is submitting quarterly reports.

Project Status Report Form
Prepared by John Vasina
Harbor Development

- **MDE's ballast water program regularly update and maintain a ballast water database that is used to collect information about ballast water report forms, ships that enter and depart the State of Maryland, contact information and compliance tracking. MDE is sending compliance verification letters to shipping agents of vessels that did not send in report forms at the end of each month. For example, in 2003, the average compliance rate (prior to receipt of compliance verification letters) was 71%. However, the average compliance rate (after receipt of compliance verification letter) climbed to 94%.**
- **MDE is inquiring about possible extension of this contract beyond 06/30/05. MDE submitted list of potential tasks that would be done under the contract. Specifically, MDE is emphasizing work pertaining to the potential Inner Harbor Dredged Material Placement sites. Overall contract No. 500910 was extended to June 30, 2011, and amended by \$500K. The Ballast Water segment of the contract is completed.**

Signature/Date: _____


(Project Manager)

11-21-05

Date: October 31, 2005

Project Status Report Form
prepared by
Harbor Development

Project

Dredged Material Management Consulting - Dredging

Project Manager:

John Vasina

Assignee(s) (Consultants/Contractors):

Gahagan & Bryant Associates, Inc.

Contract Period:

02/15/05 – 12/31/06

Budget Line #

1155

PIN #:

54100010

Contract #:

502820A

Task #, Name:

Task 11 Blackwater
National Wildlife Refuge
Planning & Cost Estimates

Project Budget (Total):

\$63,113

Revisions:

Revision #:

% Complete (Total):

40%

% Expended (Total):

28.48%

% Complete (Crnt FY):

40%

Var/Balance:

Favorable 60.00%

**% Expended
(Crnt FY):**

0.00%

Var/Balance:

Favorable 100.00%

Project Goal(s)

Much interest has been expressed in Blackwater NWR restoration as noted in discussions recently at the February DMMP Management Committee meeting. There are diverse approaches involving application of dredged material to restore marsh areas. This work will involved concept level studies of the application of Maintenance Dredging Material to restore the Blackwater NWR.

Project Objectives:

GBA will provide qualified staff to assist the MPA with the following subtasks

- 11.1)** Review Data & Mapping – Cost Estimates
- 11.2)** Concept Study Report

Project Status - Issues/Solutions (both required):

Prepared conceptual cost estimates for direct hydraulic pipeline and scow pumpout alternatives for placing dredged material at Blackwater NWR.



(Project Manager)

November 21, 2005
(Date)

Date: October 31, 2005

Project Status Report Form
prepared by
Harbor Development

Project

Open Ended Planning

Project Manager:

John Vasina

Assignee(s) (Consultants/Contractors):

John Martin & Associates, Inc.

Contract Period:

04/15/05 – 12/31/05

Budget Line #

1170

PIN #:

54130010

Contract #:

502820D1

Task #, Name:

Task 1 Analysis of Benefits
of the Dredging the 50'
Channel

Project Budget (Total):

\$166,729

Revisions:

Revision #:

% Complete (Total):

50%

% Expended (Total):

50.19%

% Complete (Crnt FY):

50%

Var/Balance:

Favorable 50.00%

**% Expended
(Crnt FY):**

50.11%

Var/Balance:

Favorable 49.89%

Project Goal(s)

To justify the O & M dredging expenditures to maintain authorized channel project specifications.

Project Objectives:


To measure the economic benefits of maintaining the 50 ft. main shipping channel serving the Port of Baltimore.

Project Status - Issues/Solutions (both required):

John Martin requested from the US Army Corps of Engineers the data pertaining to the Corps' previous studies of the 50 ft. shipping channel.

Danny Closterman (410 962-3215) is Corps' contact for John Martin's contract.

Meeting was held in September (Martin Associates, MPA & GBA) to discuss incremental costs of deepening.



(Project Manager)

November 21, 2005
(Date)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Poplar Island GRR Evaluation
MPA Project Manager: Nathaniel K. Brown

Assignee (s) Consultants/Contractors): EA Engineering & Science Assocs.
Contract Period: 02/15/05- 12/31/06

| Budget Line # | PIN # | Contract # | Task #, Name: |
|---------------|----------|------------|---------------------------------------|
| 1160 | 54100010 | 502820B | Task #7, Poplar Island GRR Evaluation |

Project Budget (Total): \$33,501
Revisions: **Revision #:**

Task Balance:
\$32,322

% Complete-Work (Total): 28%
% Expended (Total): 3.52%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): | % Expended (Crnt. FY) | % Var./Balance |
|-----------------------|----------------------------|-----------------------|----------------|
| 8% | 92% | 2.36% | 97.64% |

Project Goal(s):

- To consider alternatives to expand the existing dredged material capacity at the existing Poplar Island Environmental Restoration Project, as well as other environmental and recreational improvements.

Project Objectives:

- This study will take into account modifications to the existing Poplar Island Environmental Restoration Project. Potential modifications could include: raising the existing dikes around the upland cells, constructing an expansion of the project footprint, environmental enhancements on the island and within Poplar Harbor, increased recreational opportunities, redefining criteria for placement of dredged materials at Poplar Island.

Project Status Report Form

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Harbor Development

Project Name: Poplar Island GRR Evaluation

Task #, Name: #7, Poplar Island GRR Evaluation

Project Status – Issues/Solutions (both required):

- EA Staff completed review of GRR/EIS prior to finalization. Comments submitted to MPA and MES. Follow-up is required to address some comments.

Signature/Date:

Anthony J. Bon 10/27/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Poplar Island GRR Evaluation **MPA Project Manager:** Nathaniel K. Brown

Assignee (s) Consultants/Contractors): Gahagan and Bryant Associates **Contract Period:** 02/15/05- 12/31/06

Budget Line # **PIN #** **Contract #** **Task #, Name:**
1155 54100010 502820A1 Task #7, Poplar Island GRR Evaluation

Project Budget (Total): \$241,982 **Revisions:** **Revision #:**

Task Balance: \$180,070

% Complete-Work (Total): 30% **% Expended (Total):** 25.59%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): | % Expended (Crnt. FY) | % Var./Balance |
|------------------------------|-----------------------------------|------------------------------|-----------------------|
| 25% | 75% | 4.32% | 95.68% |

Project Goal(s):

- To consider alternatives to expand the existing dredged material capacity at the existing Poplar Island Environmental Restoration Project, as well as other environmental and recreational improvements.

Project Objectives:

- This study will take into account modifications to the existing Poplar Island Environmental Restoration Project. Potential modifications could include: raising the existing dikes around the upland cells, constructing an expansion of the project footprint, environmental enhancements on the island and within Poplar Harbor, increased recreational opportunities, redefining criteria for placement of dredged materials at Poplar Island.

Project Status Report Form

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Harbor Development

Project Name: Poplar Island GRR Evaluation

Task #, Name: #7, Poplar Island GRR Evaluation

Project Status – Issues/Solutions (both required):

- There was no reported project related activity during this reporting period.

Signature/Date:

Anthony G. Brown 12/23/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: SAV Study at Poplar (AA Comm. College)
Task #, Name: SAV Study at Poplar (AA Comm. College)

Project Name: MPA Project Manager:

SAV Study at Poplar Island (AA Comm. College) Nathaniel K. Brown

Assignee (s) Consultants/Contractors): Contract Period:

Anne Arundel Community College 04/01/02-07/31/06

| Budget Line # | PIN # | Contract # | Task #, Name: |
|---------------|----------|------------|--|
| 1025 | 52260020 | 502822 | SAV Study at Poplar (AA Comm. College) |

Project Budget (Total): Revisions: Revision #:

\$148,761

Task Balance:

\$16,820

% Complete-Work (Total):

95%

% Expended (Total):

100.00%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): | % Expended (Crnt. FY) | % Var./Balance |
|-----------------------|----------------------------|-----------------------|----------------|
| 99% | 1% | 84.10% | 15.90% |

Project Goal(s):

- To create, through plantings of submerged aquatic vegetation, underwater wetlands for the Poplar Island Environmental Restoration project.

Project Objectives:

- Activities for this study would take place over a four-year time line.
- SAVs would be planted in Poplar Harbor and monitored over the four-year period for growth and survivorship;
- A resource and planting methodology for the state will be established;
- A photographic record will be established.

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Project Name: SAV Study at Poplar (AA Comm. College)

Task #, Name: SAV Study at Poplar (AA Comm. College)

- A record of plants supplied for other environmental projects, with acknowledgements to MDOT/MPA will be maintained for five years.
- Yearly progress reports will be submitted to MDOT/MPA on this study.

Project Status – Issues/Solutions (both required):

- It has been and continues to be challenging to get Dr. Ailstock to submit monthly project status reports. Several reminders have been sent to him to remind him to send-in his reports.
- The most recent invoice received from Dr. Ailstock on this project was received August 1, 2005.

Signature/Date:

Nathaniel L. Pinn 10/26/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: MPA Project Manager:
Poplar Island General Reevaluation Report Nathaniel K. Brown

Assignee (s) Consultants/Contractors): Contract Period:
Moffatt & Nichols (M&N) 02/15/05-12/31/06

| Budget Line # | PIN # | Contract # | Task #, Name: |
|---------------|----------|------------|--|
| 1165 | 54120010 | 502820C | Task #7, Poplar Island General Reevaluation Report |

Project Budget (Total): Revisions: Revision #:
\$209,086

Task Balance:
\$177,572

% Complete-Work (Total): % Expended (Total):
12% 15.07%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): | % Expended (Crnt. FY) | % Var./Balance |
|-----------------------|----------------------------|-----------------------|----------------|
| 12% | 88% | 12.54% | 87.46% |

Project Goal(s):

- Preparation of a General Reevaluation Review (GRR) for the expansion of Poplar Island to obtain funding authorization through a Water Resources Development Act (WRDA).

Project Objectives:

- Review the GRR as regards concepts, alternatives, alignments, and analyses for the Poplar Island Expansion (PIE) currently being performed by CENAB, focusing on dike sections, coastal protection, and impacts on tidal hydrodynamics, sedimentation, morphological change, wave refraction/diffraction and wave energy distribution. Provide input that will be used to develop plans for placement of dredged material within the expansion area and creation of tidal wetlands. Perform hydrodynamic, salinity, residence time, and sedimentation modeling to evaluate impacts of project on surrounding environment. The results of all the modeling studies will be presented in a Hydrodynamic Numerical Modeling Report. Using

Project Status Report Form
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Harbor Development

the model, evaluate morphological changes in the vicinity of the project and assess the potential for long-term accumulation of sediments in the area. Model and evaluate wave refraction/diffraction and wave energy distribution differences for existing and with-project conditions. The results of all the modeling studies will be presented in a Hydrodynamic Numerical Modeling Report. Pertinent findings from the hydrodynamic, salinity, residence time, and sedimentation modeling will be incorporated in the GRR.

Project Name: Poplar Island General Reevaluation Report
Task #, Name: #7, Poplar Island General Reevaluation Report

Project Status – Issues/Solutions (both required):

- Continued review of GRR received from CENAB.
- Performed coastal and numerical modeling studies to evaluate expansion plan.
- Provided comments on draft report to CENAB.

Signature/Date:

Richard L. Brown 10/25/05
(MPA Project Manager)

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Harbor Development

Project Name: IGA – Mid Bay Island Study
Task #, Name: #3, (0313) Barren Island Environmental

Project Name: IGA – Mid Bay Island Study (Barren Island) **MPA Project Manager:** Nathaniel K. Brown
Assignee (s) Consultants/Contractors): Maryland Environmental Service **Contract Period Relevant to this EPATS Task:** 4/18/03-11/30/05

| Budget Line # | PIN # | Contract # | Task #, Name: |
|---------------|----------|------------|--|
| 1040 | 52280020 | 504804 | #3 (0313), Barren Island Environmental |

Project Budget (Total): \$409,969 **Revisions: Revision #:**

Task Balance:
\$0

| % Complete-Work (Total): | | % Expended (Total): | |
|--------------------------|----------------------------|-----------------------|----------------|
| 100% | | 100% | |
| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): | % Expended (Crnt. FY) | % Var./Balance |
| 100% | 0% | 0.00% | 100.00% |

Project Goal(s):

- To conduct the feasibility level study of restoration of Barren Island; to perform environmental field studies and provide a consolidated environmental report on Barren Island.

Project Objectives:

- To determine the feasibility of placing dredged material to restore Barren Island; to perform environmental field studies and provide a consolidated environmental report on Barren Island.

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Project Name: IGA – Mid Bay Island Study
Task #, Name: #3, (0313) Barren Island Environmental

Project Status – Issues/Solutions (both required):

Subtasks 3.9 – 3.16 (Barren Island):

Subtask 3.9 Task Planning, Technical, Environmental and Administrative Services (MES)

- Task is completed. No further activity to report.

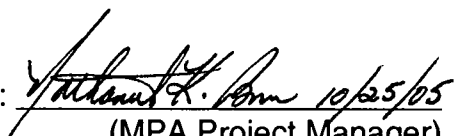
Subtask 3.10 – 3.15: Subcontracted Services for Feasibility-Level Environmental Conditions Studies for a Potential Island Restoration Project at Barren Island – Third and Fourth Seasons of Sampling (BBL)

- Task is completed. No further activity to report.

Subtask 3.16: Subcontracted Services for Pop Netting at Barren Island (AMA)

- Task is completed. No further activity to report.

Signature/Date:


(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: IGA – Mid Bay Island Study (James Island)
Task #, Name: #3 – Env. Field Studies & Cons. Env. Report (James Island)

Project Name:

MPA Project Manager:

IGA – Mid Bay Island Study (James Island)

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Contract Period Relevant to this EPATS Task:

Maryland Environmental Service

11/01/02-11/30/05

Budget Line #

PIN #

Contract #

Task #, Name:

1040

52280020

504804

#3, Env. Field Studies & Cons.
Env. Rep. (James Island)

Project Budget (Total):

Revisions: Revision #:

\$335,931

Task Balance:

\$46,722

% Complete-Work (Total):

% Expended (Total):

100%

86.09%

**% Complete (Crnt. FY) % Var./Balance
(Crnt. FY):**

**% Expended
(Crnt. FY)**

% Var./Balance

100%

0%

18.82%

81.18%

Project Goal(s):

- To develop environmental conditions and consolidated report documentation supportive of third and fourth quarter environmental work of a feasibility level study for proposed James Island Restoration project.

Project Objectives:

- Perform the third and fourth quarters of a feasibility level environmental conditions study for a proposed island restoration project at James Island, including production of a consolidated report on four seasonal quarters of data.

Project Status Report Form
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Harbor Development

Project Name: IGA – Mid Bay Island Study (James Island)
Task #, Name: #3 – Env. Field Studies & Cons. Env. Report (James Island)

Project Status – Issues/Solutions (both required):

Environmental Field Studies and Consolidated Environmental Report (MES, Harms, BBL, AMA)

Subtasks 3.1 – 3.8 (James Island):

Subtask 3.1 - Task Planning, Technical, Environmental and Administrative Services (MES)

- MES completed the site visit summaries and sent to MPA in mid-September.

Future Work Anticipated in October:

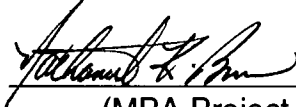
- No work is anticipated at this time.

Subtasks 3.2-3.7 Subcontracted Services for Feasibility-Level Environmental Conditions Studies for a Potential Island Restoration Project at James Island – Third and Fourth Seasons of Sampling (Harms)

- Task is completed. No further activity to report.

Subtask 3.8 Subcontracted Services for Pop Netting at James Island (AMA)

- Task is completed. No further activity to report.

Signature/Date:  10/25/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:
**Integrated Feasibility and EIS
Documentation**
This project is included under IGA –Mid Bay
Island Study (MES)

MPA Project Manager:
Nathaniel K. Brown

Assignee (s) Consultants/Contractors):
Maryland Environmental Service

**Contract Period Relevant to this
EPATS Task:**
07/01/04 – 11/30/05

| Budget Line # | PIN # | Contract # |
|----------------------|--------------|-------------------|
| 1040 | 52280020 | 504804 |

Task #, Name:
**#8, Integrated Feasibility and
EIS Documentation**

Project Budget (Total):
\$436,517

Revisions: Revision #:

Task Balance:
\$301,639

% Complete-Work (Total):
55%

% Expended (Total):

**% Complete (Crnt. % Var./Balance (Crnt.
FY) FY):**

30.90%
**% Expended % Var./Balance
(Crnt. FY)**

55% 45%

4.01% 95.99%

Project Goal(s):

This study will focus on restoring hundreds of acres of aquatic and terrestrial habitat for fish, shellfish, reptiles, amphibians, birds and mammals and will include concepts consisting of wetland and upland components.

Project Objectives:

- Project documentation will be in the form of an Integrated Feasibility and Environmental Impact Statement (EIS).
- MES will provide technical coordination and integration services for regulatory compliance relative to the provisions of the federal water pollution control act (FWPCA) and National Environmental Policy Act (NEPA).
- Contract management services and planning and coordination services will be provided.

- Presentation development services will be provided.
- Writing, assembly and production of draft and final environmental documentation for the Mid Bay Islands Integrated Feasibility and Environmental Impact Statement will be provided.

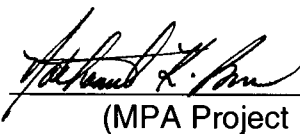
Project Status – Issues/Solutions (both required):

- MES continued to coordinate and support the Corps on getting the files in a workable format.

Future Work Anticipated in October:

- MES will assist as needed with revising any text of the EIS as requested by the Corps.
- MES will coordinate with the Corps as to when the draft EIS should be submitted to Corps Headquarters.
- When the draft report is ready to go to Headquarters, MES will coordinate with an outside printing company to receive the appropriate number of copies of the report.
- MES will coordinate with the Corps to get the reports to Headquarters.

Signature/Date:

 10/25/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Interagency Agreement MDE/MPA Monitoring
Task #, Name: #2, Baltimore Harbor TMDL Project

Project Name: **MPA Project Manager:**
Interagency Agreement MDE/MPA Monitoring – Baltimore Harbor TMDL Project **Nathaniel K. Brown**

Assignee (s) Consultants/Contractors): **Contract Period:**
Maryland Dept. of the Environment **01/31/03-06/30/05**

| Budget Line # | PIN # | Contract # | Task #, Name: |
|---------------|----------|------------|-----------------------------------|
| 1125 | 54010710 | 500910 | #2, Baltimore Harbor TMDL Project |

Project Budget (Total): **Revisions: Revision #:**
\$164,000

Task Balance:
\$64,923

% Complete-Work (Total): **% Expended (Total):**
100% **60.41%**

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): | % Expended (Crnt. FY) | % Var./Balance |
|-----------------------|----------------------------|-----------------------|----------------|
| 100% | 0% | 0.00% | 100.00% |

Project Goal(s):

- To conduct water quality related computer modeling of Baltimore Harbor.

Project Objectives:

- To estimate non-point source loads, simulate fate of toxics in Baltimore Harbor – harbor models and provide detailed assessment (Upper Bay Model) – VIMS.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Interagency Agreement MDE/MPA Monitoring
Task #, Name: #2, Baltimore Harbor TMDL Project

Project Status – Issues/Solutions (both required):

- The toxic TMDL is currently being drafted.
- Modeling scenarios are currently being run for both the toxics and nutrient TMDLs.
- MDE expects to submit final nutrient and toxic sediment TMDLs to EPA in September 2005.
- New staff have been hired to assist with model development.
- Scheduled and attended meetings with University of Maryland researchers to review preliminary data associated with current toxicity study
- Addressed stakeholder inquiries regarding Harbor effort
- Attended internal meetings to discuss implications of sediment chemistry and toxicity
- Coordinated internal meetings to finalize approach to developing TMDLs for nitrogen and phosphorus
- Initiated drafting of nutrients TMDL document
- Attended meeting with John Hopkins University research staff to discuss potential sediment chemistry study in the Harbor
- Most recent invoice received on this project was on 06/14/05.

Signature/Date:

Michael L. Brown 10/25/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Analysis of Emissions from Ship & Port Operations – Study Phase II

Task #, Name: #15, Analysis of Emissions from Ship & Port Operations – 2ndPhase

Project Name:

MPA Project Manager:

Analysis of Emissions from Ship & Port Operations – Third Phase

(This project is included under MES Open Ended Consulting EPATS)

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Contract Period:

Maryland Environmental Service/Edwards & Kelcey (E & K)

12/15/00-12/31/05

| Budget Line # | PIN # | Contract # |
|----------------------|--------------|-------------------|
| 1085 | 54000010 | 500912 |

Task #, Name:
#15, Anal. Of Emissions from Ship & Port Ops. –3rd Phase

Project Budget (Total):

Revisions: Revision #:

\$174,131

Task Balance:

(\$617)

% Complete-Work (Total):

% Expended (Total):

100%

100.35%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): |
|------------------------------|-----------------------------------|
| 102% | -2% |

| % Expended (Crnt. FY) | % Var./Balance |
|------------------------------|-----------------------|
| 72.03% | 27.97% |

Project Goal(s):

- To produce a report on air emissions from Port activities, to assist the Port in decision-making regarding air quality issues and regulation on the Baltimore non-attainment area.
- To produce a report on objective and criteria for selecting and prioritizing emission reduction measures related to emissions from shop and MPA operations in the Port of Baltimore.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Analysis of Emissions from Ship & Port Operations – Study Phase II

Task #, Name: #15, Analysis of Emissions from Ship & Port Operations – 2ndPhase

- To produce a report on possible demonstration scale implementation of catalytic after-treatment technologies on tugboats operating in the POB: and to investigate idle reduction technologies for intermodal trucking operations serving the POB.

Project Objectives:

- To gather information on air emissions from Port activities.
- To investigate and identify possible targets for reductions in air emissions from Port activities.
- To produce reports that can be management tools in identifying objectives and criteria to reduce emissions from Port activities.

Project Status – Issues/Solutions (both required):

MES Tasks – September 2005:

- MES performed project management and subcontractor oversight duties.
- MES coordinated with MPA and E&K on the final Phase III report remaining a “Draft Final” at this point in time.
- MES received comments on the draft minutes from the July 22nd meeting from MPA on August 29th.
- On August 30th, MES submitted the minutes from July 22nd to E&K.
- MES attended the September 1st Air Quality Presentation by TIAX LLC per MPA’s request.
- On September 7th, MES attended the team meeting and took notes to produce a meeting summary.
- This same day, MES received an electronic version of the Trucking Company and Tugboat Survey and Analysis from E&K.
- MES received a monthly status report from E&K on September 8th.
- On September 13th, MES submitted draft September 7th meeting minutes to E&K for review/comment.
- MES submitted a monthly status report to MPA on September 15th.
- On September 15th, MES received an electronic draft of the Phase III report from E&K for review/comment.
- On September 18th, MES received comments to the draft September 7th meeting minutes from E&K.
- On September 21st, MES submitted draft September 7th meeting minutes to MPA for review/comment.
- On September 26th, MES submitted comments to the Draft Phase III Air Emissions Study Report to E&K.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Analysis of Emissions from Ship & Port Operations – Study Phase II

Task #, Name: #15, Analysis of Emissions from Ship & Port Operations – 2ndPhase

- On September 28th, MES received comments from MPA on the Draft Report and submitted them to E&K the same day.
- MES received authorization from MPA on the EPATS Task 57 proposal on September 20th.
- MES requested Notice to Proceed and authorization from MPA to use the existing contractor funds to perform the contingent supplemental services subtask to cover contract expenses associated with the drafting, editing and finalization of the Phase III report. MES received MPA approval for this on September 26th.

E&K Tasks—September 2005:

- Prepared for MES/MPA status meeting scheduled for September 7, 2005.
- Attended Phase III Study status meeting on September 7, 2005 at MPA.
- Prepared Draft Final Phase III report and distributed to team for comments.
- Provided assistance to TA Engineering with the selection of an MBE firm to replace Williams Associate Engineers (WAE).
- Continued coordination with Jim Moore (TA Engineering, Inc.) re: Task 57 – Air Emissions Compliance budget revision.
- Provided TA Engineering, Inc. with subtask description and budget for reporting phase for Task 15.
- Completed technical tasks on Task 15.
- Miscellaneous – Maintained frequent liaison with MES and MPA re: progress, comments, and contractual issues.

Future Work for October:

- MES will receive comments from MPA on the September 7th draft meeting minutes.
- MES will attend the meeting on October 19th to discuss the draft Phase III report and identify future needs. MES will also take notes to prepare a meeting summary.
- MES will receive the Draft Final Phase III report from E&K on October 19th.
- MES will closeout Task 15 and bill all future air related work to Task 57.
-
- * MES billed to Task 15 for Task 57 work in the interim of establishing Task 57, therefore MES will be processing a SWO to move hours from Task 15 to Task 57 so the balance on Task 15 will not be negative.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Analysis of Emissions from Ship & Port Operations – Study Phase II

Task #, Name: #15, Analysis of Emissions from Ship & Port Operations – 2ndPhase

Signature/Date: *Anthony H. Brown* 10/25/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island Ph Study
Task #, Name: #38, Hart-Miller Island Ph Study

Project Name: Hart-Miller Island Ph Study
MPA Project Manager: Nathaniel K. Brown

Assignee (s) Consultants/Contractors): Maryland Environmental Service
Contract Period: 2/01/03-06/30/05

| Budget Line # | PIN # | Contract # | Task #, Name: |
|---------------|----------|------------|----------------------------------|
| 1085 | 54000010 | 500912 | #38, Hart-Miller Island Ph Study |

Project Budget (Total): \$243,220
Revisions: Revision #:

Task Balance:
\$3,015

% Complete-Work (Total): 100%
% Expended (Total): 98.76%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): | % Expended (Crnt. FY) | % Var./Balance |
|-----------------------|----------------------------|-----------------------|----------------|
| 100% | 0% | 31.41% | 68.59% |

Project Goal(s):

- To review existing and potential conditions in dredged material containment that may cause acid forming conditions and to assess potential laboratory and pilot tests to aid in the design of site management and operational procedures to manage and control the acid forming conditions.

Project Objectives:

- To identify and assess existing and potential conditions that may cause acid forming conditions at HMI.
- To identify and assess dredging and dredged material containment operations that may cause acid forming conditions at HMI.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island Ph Study

Task #, Name: #38, Hart-Miller Island Ph Study

- Identify and quantify contaminant transport via pathways of runoff and leachate using the results of ongoing studies at HMI.
- Identify and assess the suitable solutions for the management and control of acid forming conditions; and to identify and assess potential laboratory and pilot tests to aid in the design of site management and operational procedures to manage and control Ph formations.

Project Status – Issues/Solutions (both required):

Issues/ Solutions/ MES Activities:

- Please note the attached email to this document.

Future Activities:

- All future activities related to the NCCT and NCCWG will be completed under EPATS Task 60.

Signature/Date:


(MPA Project Manager)

Nat Brown

From: Melissa Slatnick [MSLAT@menv.com]
Sent: Monday, October 17, 2005 9:07 PM
To: Nat Brown
Subject: Sept. progress report for EPATS Task 45

Attachments: MES Project Status Report (45) September 05.doc



MES Project Status
Report (45)...

Nat-

Attached is the September progress report for EPATS Task 45 (New Work Sediment). This use to be Mike's task but I'll be handling it until Mike's position is filled.

Please note that Elizabeth will now be sending the progress report for Task 60 (NCCT) as I've increased some of her responsibilities on this project. Also remember that the work for Task 38 has finished and turned into Task 60 so there is no longer a Task 38 progress report. There is a Sept. invoice for Task 38 though because Moffatt & Nichol had to play catch up with some of their billing from OAS' work at the end of the summer.

Also, the progress reports for HMI and PIERP will be coming from Jenn and Cox Ck. will be coming from Tom. I manage Tom and Jenn directly and the projects more indirectly now and I'm trying to bring them both up to speed a little more as the direct Project Managers. Let me know if you have any questions, thanks.
Melissa.

<<MES Project Status Report (45) September 05.doc>>

Project Status Report Form
Prepared by
Harbor Development

Project Name: MPA Project Manager:

Poplar Island Expansion Feasibility Study
(This project is included under MES Open Ended Consulting EPATS)
Nathaniel K. Brown

Assignee (s) Consultants/Contractors): **Contract Period:**

Maryland Environmental Service **08/01/03-06/30/06**

| Budget Line # | PIN # | Contract # | Task #, Name: |
|---------------|----------|------------|---|
| 1085 | 54000010 | 500912 | Task #44, Poplar Island Expansion Feasibility Study |

Project Budget (Total): **Revisions: Revision #:**

\$117,752

Task Balance:

\$20,989

% Complete-Work (Total): **% Expended (Total):**

87%

82.18%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): | % Expended (Crnt. FY) | % Var./Balance |
|-----------------------|----------------------------|-----------------------|----------------|
| 87% | 13% | 18.25% | 81.75% |

Project Goal(s):

- To consider alternatives to expand the existing dredged material capacity at the existing Poplar Island Environmental Restoration Project, as well as other environmental and recreational improvements.

Project Objectives:

- This study will take into account modifications to the existing Poplar Island Environmental Restoration Project. Potential modifications could include: raising the existing dikes around the upland cells, constructing an expansion of the project footprint, environmental enhancements on the island and within Poplar Harbor, increased recreational opportunities, redefining criteria for placement of dredged materials at Poplar Island.

Project Status Report Form
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Project Name: Poplar Island Expansion Feasibility Study
Task #, Name: #44, Poplar Island Expansion Feasibility Study

Project Status – Issues/Solutions (both required):

Subtask 44.1 Task Planning, Technical, Environmental and Administrative Services for the Poplar Island Expansion Project Management Plan Feasibility Studies (MES)

- On September 7th, MES received a July status report from EA.
- MES submitted a monthly status report to MPA on September 15th.
- MES received the Final PIES SEIS at the end of September.

Future Work Anticipated in September:

- MES will submit a monthly status report in mid-October.
- MES will submit a contract closeout letter to EA for their work on Task 44.
- MES will attend the team meeting on October 20th and will record meeting notes.

Subtask 44.2 Poplar Island Expansion Feasibility Project Management Planning Support (EA/GBA):

- On September 7th, EA submitted the monthly status report to MES and provided general management of the task.

Future Work Anticipated in September:

- There is no further activity to report for EA.

Signature/Date: *Arthurd H. Brown* 10/25/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Cox Creek Permit Assistance

Task #, Name: #52 – Cox Creek Permit Assistance

Project Name:
Cox Creek Permit Assistance
(This project is included under MES Open Ended Consulting EPATS)

MPA Project Manager:

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Maryland Environmental Service

Contract Period Relevant to this EPATS Task:

10/21/04 - 12/31/05

| Budget Line # | PIN # | Contract # |
|----------------------|--------------|-------------------|
| 1085 | 5400010 | 500912 |

Task #, Name:
#52, Cox Creek Permit Assistance

Project Budget (Total):

\$58,077

Revisions: Revision #:

Task Balance:

\$50,991

% Complete-Work (Total):

13%

% Expended (Total):

12.20%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): |
|------------------------------|-----------------------------------|
| 13% | 87% |

13%

87%

| % Expended (Crnt. FY) | % Var./Balance |
|------------------------------|-----------------------|
| 2.57% | 97.43% |

2.57%

97.43%

Project Goal(s):

Provide assistance with permit provisions addressed within the Cox Creek Discharge Permit, particularly Special Condition S – Groundwater study.

Project Objectives:

1. Develop a plan to verify that offsite groundwater conditions will not be impacted by the operations of a dredged material containment facility.
2. Develop a groundwater study plan;
3. Develop a groundwater water report;
Based on the findings of the groundwater study plan, the groundwater report, and MDE feedback, perform groundwater monitoring and reporting

Project Status Report Form
Prepared by
Harbor Development

Project Name: Cox Creek Permit Assistance

Task #, Name: #52 – Cox Creek Permit Assistance

Project Status – Issues/Solutions (both required):
Issues

- During the month of September MES followed up with MPA on the status of the Final version of the Cox Creek Dredged Material Containment Facility (DMCF) Groundwater Study Plan that MPA submitted to MDE. There has been no progress on the MDE review of this plan to date.
- MES developed the September 2005 status report and submitted it to MPA.
- MES/MPA is awaiting a response from MDE on the Cox Creek DMCF Groundwater Study Plan that was submitted in July.

Signature/Date:

Richard L. Ann 10/25/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:
Characterization of Sediments, New Work
Projects – Inner Harbor
(This project is included under MES Open
Ended Consulting EPATS), Task #45

MPA Project Manager:
Nathaniel K. Brown

Assignee (s) Consultants/Contractors):
Maryland Environmental Service

**Contract Period Relevant to this
EPATS Task:**
01/01/04-12/31/05

| Budget Line # | PIN # | Contract # |
|---------------|---------|------------|
| 1085 | 5400010 | 500912 |

Task #, Name:
#45, Character. Of Sediments,
New Work Projects- Inner
Harbor

Project Budget (Total):
\$679,228

Revisions: Revision #:

Task Balance:
\$97,628

% Complete-Work (Total):
84%

% Expended (Total):
85.63%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): |
|--------------------------|-------------------------------|
| 84% | 16% |

| % Expended (Crnt. FY) | % Var./Balance |
|--------------------------|----------------|
| 68.13% | 31.87% |

Project Goal(s):

Characterize the harbor sediments in the Dundalk Marine Terminal (DMT), Seagirt, and Masonville Terminal New Work Areas. This characterization will identify the physical, chemical and cap related test properties to identify the quality of the sediments. These results from this characterization will be evaluated to determine appropriate placement options.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Characterization of Sediments, New Work Projects – Inner Harbor

Task #, Name: #45, Character. of Sediments, New Work Projects- Inner Harbor

Project Objectives:

1. Develop a site safety and health plan, field sampling plan, and quality assurance project plan for this project;
2. Mobilize a barge and sampling equipment in the Harbor to perform borings and obtain samples;
3. Characterize the harbor sediments in the proposed new work dredging areas through test borings, sampling and analysis;
4. Interpret the laboratory analyses to determine the quality of the chemical, physical and cap related test properties;
5. Prepare a report that summarizes the finding to facilitate appropriate placement options of the dredged material.

Project Status- Issues/Solutions (both required):

- MES continues to await feedback from MPA regarding the email memo submitted on July 6, 2005 regarding an independent third party calculation of the sand volume calculations.
- MES has suggested that the funds planned for third party QA/QC of the sand volume calculations be spent instead on collection of additional geotechnical information.

MES Activities:

- Completed August progress report.
- On 09/14/05 MES forwarded a memo to MPA discussing MES' recommendations on the next step in developing the Seagirt sand volume calculations. MES recommended additional borings instead of QA/QC analysis.
- Per MPA's request, on 09/16/05 MES provided MPA with a summary of expenditures specific to Masonville sediment quality investigations.
- MES met with EA on 09/19/05 to discuss the schedule for completion of the Dundalk / Seagirt sediment report. The schedule is as follows: a draft report is expected end of October, MES/MPA will provide review and comments in November and a final report will be available by the end of the year.

Contractor Activities:

- EA attended a meeting with MES on 09/19/05.
- EA continues to finalize the draft Dundalk/Seagirt report.

Project Status Report Form
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Harbor Development

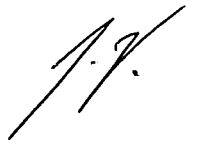
Future Activities:

- EA is expected to submit the draft Dundalk/Seagirt report by October 31st and MES will provide a technical review.

Signature/Date: *Anthony H. Bon* 10/25/05
(MPA Project Manager)

Project Status Report: to 09/30/05

Project Manager: John Vasina



Fiscal Year 2006

| <u>No.</u> | <u>Line No.</u> | <u>PIN#</u> | <u>Contract #</u> | <u>Description</u> |
|------------|-----------------|-------------|-------------------|--|
| 1 | 785 | 55000010 | 597849 | C&D Pre-Construction Eng. Design ✓ |
| 2 | 950 | 52080040 | 597827 | Oyster Reseeding Program ✓ |
| 3 | 1005 | 52210040 | 502814 | Chesapeake Bay Ports System ✓ |
| 4 | 1010 | 52160020 | 500829 | UM Current Meter Study ✓ |
| 5 | 1015 | 52240020 | 502821 | UM Economic Studies ✓ |
| 6 | 1055 | 52170020 | 501918 | UM Ballast Water Study ✓ |
| 7 | 1085 | 54000010 | 500912 | Site Maint. Work at Masonville ✓ |
| 8 | 1085 | 54000010 | 500912 | Task #37 Masonville Expansion ✓ |
| 9 | 1095 | 54010510 | 598819 | Dredged Material Recycling ✓ (Agricultural Use) |
| 10 | 1125 | 54010740 | 500910 | MDE Ballast Water Program ✓ |
| 11 | 1155 | 54100010 | 502820A1 | Blackwater Nat'l Wildlife Refuge Pl. ✓ |
| 12 | 1170 | 54130010 | 502820D1 | Analysis of Benefits of Dredging of 50' Channel ✓ |

Project Status Report Form
Prepared by John Vasina
Harbor Development

Project Name:

C&D Pre-Construction Engineering Design

Project Manager:

John Vasina

Assignee(s) (Consultants/Contractors):

U.S. Army Corps of Engineers

Contract or Task Period:

04/23/97 – 09/30/02 (original)

Budget Line #

785

PIN #:

600104-B

Contract #:

597849

Task #, Name:

Project Budget (Total):

\$1,250,400 (as of point of study suspension in FY '01)

Revisions:

Revision #:

% of Work Complete (Total):

100.00% (as of point of study suspension in FY '01)

% Expended \$ (Total):

99.97% (as of point of study suspension in FY '01)

% of Work Complete (Crnt. FY):

0%

% Var./Balance:

0%

% Expended \$ (Crnt. FY):

0%

% Var./Balance:

0%

Project Goal(s):

To determine optimal design of the C&D Canal deepening project and to undertake an economic evaluation of the project to justify the project's implementation.

Project Objectives:

To complete the Pre-construction, Engineering and Design phase of the Chesapeake & Delaware (C&D) Canal deepening project.

Project Status - Issues/Solutions (both required):

Issues:

- ◆ **The economic evaluation, if based on the currently available information, would reflect number of negative trends that are short term in nature. Therefore, it would not constitute a suitable basis for making a long term decision pertaining to the project.**

Project Status Report Form
Prepared by John Vasina
Harbor Development

Solutions:

- ◆ Secretary John Porcari recommended to Lt. Colonel Brown of the Philadelphia District Corps of Engineers in his letter of January 16, 2001 to defer consideration of the economic justification of the project until a number of additional factors can be appropriately considered. (including: Vessel operating costs; temporary decline in the number of container vessel arrivals at the Port of Baltimore; shipping industry trends, etc.). The Corps agreed to follow Secretary's recommendation and the project was postponed by three years to allow more representative, long term trends, to be considered.
- ◆ MPA procured consultant (Dr. John Martin) to investigate the economic feasibility and justification for C&D Canal deepening. Dr. Martin is scheduled to complete his investigations approximately in July 2004.
- ◆ John Martin's study was completed in September and is currently under pier review.
- ◆ The Corps of Engineers is in process of issue their C&D report.

Signature/Date:

 10-26-05

(Project Manager)

Project Status Report Form
Prepared by John Vasina
Harbor Development

| | | | |
|---|------------------------|----------------------------------|------------------------|
| Project Name: | | Project Manager: | |
| Oyster Reseeding Program | | John Vasina | |
| Assignee(s) (Consultants/Contractors): | | Contract or Task Period: | |
| Department of Natural Resources | | 06/01/02 – 06/30/05 | |
| Budget Line # | PIN #: | Contract #: | Task #, Name: |
| 950 | 52080040 | 597827 | |
| Project Budget (Total): | | Revisions: | Revision #: |
| \$19,625,000 | | \$4,875,000 | 2 |
| % of Work Complete (Total): | | % Expended \$ (Total): | |
| 77.00% | | 75.16% | |
| % of Work Complete (Crnt. FY): | % Var./Balance: | % Expended \$ (Crnt. FY): | % Var./Balance: |
| 20.00% | 80.00% | 0.00% | 100.00% |

Project Goal(s):
 To provide large quantities of shells for habitat restoration of oyster population in the Chesapeake Bay.

Project Objectives:
 To increase oyster population in the Chesapeake Bay.

Project Status - Issues/Solutions (both required):

Issues:

- ◆ Program was originally structured so that each dollar was awarded for each cubic yard of dredged material that was placed in an open water site in the Bay. Under the current Agreement, the MDOT contributions to the Oyster Recovery program were scheduled to end in FY '02.
- ◆ DNR's George Hearlth provided invoices for the FY 2003 activities in the amount of \$1,625,000.

Project Status Report Form
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Harbor Development

Solutions:

- ◆ **New Agreement was executed between MDOT and DNR that will secure funding of the program through FY 2005. Beginning in FY 2002, MDOT shall pay to DNR annual payment of \$1.625M from the Transportation Trust Fund.**
- ◆ **DNR's repayment of any funds previously advanced to by MDOT is forgiven.**
- ◆ **Continuation of the program funding was re-authorized in July, 2003 by MDOT.**
- ◆ **Description of the program is being placed on the MPA web-site.**
- ◆ **Billing by DNR is expected in March 2004 for the FY 2004.**
- ◆ **DNR is being contacted (Chris Judy) to bill for FY '04 funds.**
- ◆ **DNR submitted invoice in the amount of \$1.625M for FY 2004 activities.**
- ◆ **DNR also submitted report pertaining to the fund expenditures in FY 2004 as required by the MDOT/DNR Agreement.**
- ◆ **The contract will expire June 30, 2005; needs to be extended (if applicable).**
- ◆ **Draft memo to the Secretary is being drafted to obtain instruction if the contract should be terminated or extended to future years.**
- ◆ **Chris Judy of DNR will submit FY 05 invoice in April.**
- ◆ **Meeting with DNR and MDOT was held in June 2005 pertaining to the three-year amendment to the existing contract. The three-year extension was signed by Secretaries of MDOT and DNR in July, 2005.**

Signature/Date: _____


(Project Manager)

Project Status Report Form
Prepared by John Vasina
Harbor Development

Project Name:

Chesapeake Bay Ports System

Project Manager:

John Vasina

Assignee(s) (Consultants/Contractors):
The National Oceanic and Atmospheric Administration

Contract or Task Period:

10/25/01 – 10/25/06

Budget Line #

1005

PIN #:

52210040

Contract #:

502814

Task #, Name:

Project Budget (Total):

\$1,575,650

Revisions:

Revision #:

% of Work Complete (Total):

74.00%

% Expended \$ (Total):

72.48%

% of Work Complete (Crnt. FY):

20.00%

% Var./Balance:

80.00%

% Expended \$ (Crnt. FY):

0.00%

% Var./Balance:

100.00%

Project Goal(s):

To support safe and efficient navigation by providing ship masters and pilots with accurate real-time information required to avoid groundings and collisions.

Project Objectives:

To design, install, manage on ongoing basis, operate, maintain, and repair NOAA's Upper Chesapeake Bay Physical Oceanographic Real-Time System (PORTS).

Project Status - Issues/Solutions (both required):

Issues:

- ◆ **New centralized voice system was implemented during the month of March, 2002. The system was installed in Silver Spring, MD, complete with full back up, and providing local (Silver Spring) and toll-free numbers to cover each PORTS.**
- ◆ **MPA needs current update of the status.**

Solutions:

- ◆ **MPA executed an Addendum to the contract to finance operation and maintenance in FY '04 (cost: \$215K);**

Project Status Report Form
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Harbor Development

- ◆ MPA approved the new centralized voice system on February 20, 2002.
- ◆ The toll free number assigned to the PORTS Chesapeake Bay site is (866) 247-6787
- ◆ Richard Permenter of NOAA gave the update at Harbor Coordination & Safety Committee meeting on October 2, 2002.
- ◆ Meeting took place in May with NOAA and Md. Pilots to discuss issues pertaining to PORTS system in the Chesapeake Bay.
- ◆ Richard Permenter is permanently retiring in August, 2003. David MacFarland became new NOAA PORTS Program Manager.
- ◆ Kate Bosley is working full-time in another program and she is no longer involved in PORTS activities.
- ◆ Meeting with Md. Pilots and NOAA took place on November 7, 2003. Dave McFarland of NOAA discussed issues with MPA and Pilots that were raised by Pilots before retirement of Rich Permenter of NOAA.
- ◆ PORTS system begin fully implemented in the Chesapeake Bay area in February, 2004
- ◆ There is a plan for celebration of the implementation of the system at the Secretary's level with NOAA.
- ◆ MPA Office of Communication will continue planning of the celebration; per Darlene Frank, this task will be assigned to other communications personnel after departure of Richard Berkow.
- ◆ MPA contacted NOAA in May pertaining to the FY 2004 O&M invoice. NOAA will provide MPA with approximately \$215K invoice in June 2004.
- ◆ Meeting is planned for July, 2004 with NOAA, Maryland Pilots and MPA to discuss issue pertaining to safety navigation in the Chesapeake Bay.
- ◆ MPA accrued the \$215K expenditures for FY 2004.
- ◆ The new Addendum to the Agreement for 2004 was executed in September, 2004.
- ◆ Marty Welch of NOAA was contacted at (301) 713-2897, ext. 129 in January, 2005 to obtain an accrued bill from NOAA to cover FY 2005 cost of maintenance of the system.
- ◆ The FY 2005 bill from NOAA was paid in June 2005.
- ◆ Installation of additional air gap sensors under Chesapeake Bay bridge is in process and the cost will be added to FY 2006 maintenance billings (approx. \$90K increase).
- ◆ The Addendum 003 for operation and maintenance period from May 1, 2005 through April 30, 2006 was signed on 10/18/05.

Signature/Date: _____

John Vasina 10-26-05

(Project Manager)

Project Status Report Form
Prepared by John Vasina
Harbor Development

| | | | |
|---|------------------------|----------------------------------|------------------------|
| Project Name: | | Project Manager: | |
| UM Current Meter Study | | John Vasina | |
| Assignee(s) (Consultants/Contractors): | | Contract or Task Period: | |
| University of Maryland | | 05/31/00 – 06/30/06 | |
| Budget Line # | PIN #: | Contract #: | Task #, Name: |
| 1010 | 52160020 | 502829 | |
| Project Budget (Total): | | Revisions: | Revision #: |
| \$553,701 | | | |
| % of Work Complete (Total): | | % Expended \$ (Total): | |
| 80.00% | | 80.55% | |
| % of Work Complete (Crnt. FY): | % Var./Balance: | % Expended \$ (Crnt. FY): | % Var./Balance: |
| 20.00% | 80.00% | 34.60% | 65.40% (favorable) |

Project Goal(s):
 To enhance the present shipboard-based Monitoring Program with continuous data to aid the detection of long term change in the Bay ecosystem and to forecast water levels currents and weather over the Chesapeake Bay area that will assist in vessel navigation and environmental work for the State's dredged material management program.

Project Objectives:
 The purpose of this contract is to allow the University of Maryland Center for Environmental Studies to consult, deploy and maintain a Chesapeake Bay Observing System (CBOS) for the MPA.

Project Status - Issues/Solutions (both required):

Issues:

- ◆ The final report will be delivered on or before September 30, 2005 to the MPA. MPA will request interim progress report at the end of the FY 2002.

Project Status Report Form
Prepared by John Vasina
Harbor Development

Solutions:

- ◆ MPA will contact Dr. William Boicourt in Spring, 2003 to request the interim progress report.
- ◆ Dr. Boicourt requested no cost extension to 06/30/06 to implement Bay-wide effort for surface wave measurements. MPA has granted the no cost extension on March 21, 2005.

Signature/Date: _____

John Vasina 10-28-05

(Project Manager)

Project Status Report Form
Prepared by John Vasina
Harbor Development

Project Name:

UM – Economic Studies

Project Manager:

John Vasina

Assignee(s) (Consultants/Contractors):

University of Maryland (Dr. Dennis King)

Contract or Task Period:

02/01/02 – 01/31/06

Budget Line #

1015

PIN #:

52240020

Contract #:

502821

Task #, Name:

Project Budget (Total):

\$457,690

Revisions:

\$249,750; \$320,879

Revision #:

2

% of Work Complete (Total):

64.00%

% Expended \$ (Total):

60.55%

**% of Work Complete
(Crnt. FY):**

20.00%

% Var./Balance:

80.00%

**% Expended \$ (Crnt.
FY):**

0.00%

% Var./Balance:

100.00% (favorable)

Project Goal(s):

To support selection of the dredged material placement sites to be included in the Governor's Strategic Plan for dredged material management .

Project Objectives:

To create an economic model that would address comparison of the costs, risks, and benefits of dredged material management options.

Project Status - Issues/Solutions (both required):

Issues:

- ◆ **MPA requested report for the work done to date.**
- ◆ **Dr. King asked for the Amendment to the contract to continue work to January 31, 2004.**
- ◆ **Dr. King requested meeting with MPA to discuss issues pertaining to the cost/benefit ratios allocations for the DMMP suggested placement options, the Inner Harbor sites economic issues, and the issues pertaining to the economic study of the ballast water issue.**

Project Status Report Form

Prepared by John Vasina

Harbor Development

Solutions:

- ◆ **Dennis King delivered the requested report in April, 2003.**
- ◆ **MPA approved Amendment #1 in December 2002.**
- ◆ **Several meetings took place in October to address economic issues pertaining to the Strategic Plan.**
- ◆ **Dr. King submitted to MPA proposal of the scope of work, under the Amendment #2 to the existing contract, to continue work in Year 3 on the project.**
- ◆ **Amendment #2 to the contract was executed in December 2003 for \$320,879 with time extension to 01/31/05.**
- ◆ **Meetings with Dennis King and MPA take place each month to discuss the issues pertaining to the Corps' economic analysis and other economics issues related to DMMP program.**
- ◆ **Dr. King's staff is involved in economic analysis of the Poplar Island expansion; the meeting with the Corps are scheduled to take place in May.**
- ◆ **Various frequent meetings are scheduled to discuss Corps DMMP and prepare presentations and analysis.**
- ◆ **Dr. King's staff is working with MES on economics analysis for Mid-Chesapeake Bay and Poplar Expansion projects.**
- ◆ **Dr. King is also working on the expansion of Dr. Martin's report pertaining to C&D cost/benefit justification study.**
- ◆ **Dr. King will meet with us in November to discuss work in 2005.**
- ◆ **Amendment #4 was processed and executed..**
- ◆ **Meeting with UMCES was held in March 2005; the work was planned to cover Inner arbor Sites and Bay projected sites GIS and other economic areas, and also one of the task will cover Blackwater Project preliminary economic evaluations.**
- ◆ **Meeting with UMCES was held in July 2005 to discuss scope of work and report generation to support DMMP process.**
- ◆ **Meeting to discuss issues pertaining to work in process is scheduled for October, 2005.**

Signature/Date: _____

John Vasina 10-26-05

(Project Manager)

Project Status Report Form
Prepared by John Vasina
Harbor Development

Project Name:

UM Ballast Water Study
 Continuation of contract # 501918

Assignee(s) (Consultants/Contractors):

University of Maryland

Project Manager:

John Vasina

Contract or Task Period:

12/08/04 – 12/31/05

Budget Line #

1055

PIN #:

52170010

Contract #:

505916

Task #, Name:

Project Budget (Total):

\$99,984

Revisions:

Revision #:

% of Work Complete (Total):

58.00%

% Expended \$ (Total):

51.46.%

**% of Work Complete
(Crnt. FY):**

30.00%

% Var./Balance:

70.00% (favorable)

**% Expended \$ (Crnt.
FY):**

0.00%

% Var./Balance:

100.0 (favorable)

Project Goal(s):

To identify improved methods for ballast water treatment and management and prevention of boat transport of invasive species.

Project Objectives:

To conduct realistic shipboard trials of methods for the treatment of ballast water, with specific emphasis on the Chesapeake Bay. The primary (voraxial separator) and secondary (ultraviolet irradiation and chemical biocide) treatments to be rigorously tested in the ballast tanks of an ocean going commercial vessel in Baltimore Harbor under normal ballasting conditions.

Project Status - Issues/Solutions (both required):

Issues:

- ◆ **Additional work is necessary to probe various issues pertaining to the measurement of the particulate separatory efficiency of the primary treatment (voraxial separator) and of the viability of bacteria, zooplankton and phytoplankton subjected to both primary and secondary treatments and other issues that arised during the course of study which need to be addressed in order to successfully complete the ballast water study.**

Project Status Report Form

Prepared by John Vasina

Harbor Development

- ◆ **The new system is being currently installed on Cape Washington by Dr. Wright and his technical support (Hyde Marine, Inc. and General Shipyard Co.) There are issue with possible deployment of the ship in Persian Gulf.**

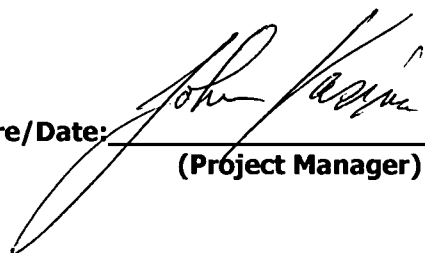
Solutions:

- ◆ **First Amendatory Agreement to the contract was approved in December 2002 for additional funding of \$308,697 with the term extended to December, 2004.**
- ◆ **Meeting between MPA and UMCES was held in September, 2002 to address issues pertaining to the Amendment.**
- ◆ **University of Maryland was requested to provide MPA with a statement of absence of conflict of interest due to principal investigators (Drs. Wright & Dawson) having patent with C-Clean.**
- ◆ **The Phase II of the study will be conducted using the same technology (Maritime Solutions, Inc. microfugal separator) provided it is functional.**
- ◆ **The Phase II will take place on the MARAD ship (other than Cape May) docked in the Port of Baltimore. The MARAD ship was not allocated to the project as of February 28, 2003.**
- ◆ **Trip was made to Flemington, NJ to observe Maritime Solutions' separator in February 2003.**
- ◆ **Several meetings are scheduled for June and July to coordinate work of UM**
- ◆ **Maritime Solutions, Inc. withdrew from the joint project with UM to pursue testing of their own system.**
- ◆ **Drs. David Wright and Roger Dawson, along with project partner Thomas Mackey of Hyde Marine, Inc. presented the results of their earlier work at the 2nd International Ballast Water Treatment R&D Symposium held at the headquarters of the International Maritime Organization (IMO) in London on July 21-23, 2003.**
- ◆ **The University of Maryland started to publish a periodical pertaining to the ballast water issues.**
- ◆ **UM together with Hyde Marine, Inc. will install experimental treatment system on the board of Cape Washington by the end of November, 2003.**
- ◆ **Dr. Wright submitted preliminary proposal for the extension of the contract to MPA in December 2003. (The proposal is currently being reviewed by MPA).**
- ◆ **Debbie Aheron of MARAD is discussing details of work with Dr. Wright and both parties try to set up contingencies for possible deployment of the Cape Washington to the Persian Gulf.**
- ◆ **Cape Washington was deployed in Gulf war; MPA and UM are looking for temporary placement of the equipment off shore to continue with the study.**
- ◆ **Negotiations are in process to place the equipment and continue with the study at MPA's Clinton Street location.**
- ◆ **Meeting is scheduled for July 2004 with MPA management to discuss the project in general, ROE, and the amendment to the contract.**
- ◆ **ROE was approved in July 2004**

Project Status Report Form
Prepared by John Vasina
Harbor Development

- ◆ **Contract Amendment to proceed with Phase I of the new study cycle was signed in December, 2004. This work is going to proceed under contract no. 505916 on budget line # 1181.**
- ◆ **Meeting with UMCES (Sharon Moesel) was held in July 2005. MPA requested report from UMCES at the end of contract extension (Spring 2006), and closure of the project.**
- ◆ **Equipment at Clinton Street is fully installed, and testing is taking place as scheduled.**
- ◆ **Meeting was held at Clinton Street in August to observe workability of the system.**
- ◆ **UMCES provided schedule of work for the rest of the contract that will culminate in report to MPA.**

Signature/Date:

 10-26-05

(Project Manager)

Project Status Report Form
Prepared by John Vasina
Harbor Development

Project Name:

Site Maintenance Work at Masonville

Project Manager:

John Vasina

Assignee(s) (Consultants/Contractors):

Maryland Environmental Service

Contract or Task Period:

09/09/02 – 12/31/04

Budget Line #

1085

PIN #:

54000010

Contract #:

500912

Task #, Name:

35

Project Budget (Total):

\$657,378

Revisions:

\$33,599

Revision #:

% of Work Complete (Total):

99.50%

% Expended \$ (Total):

99.13%

**% of Work Complete
(Crnt. FY):**

90.00%

% Var./Balance:

10.00% (favorable)

**% Expended \$ (Crnt.
FY):**

0.00%

% Var./Balance:

100.00% (favorable)

Project Goal(s):

To condition the site for further development in support of terminal operations .

Project Objectives:

To suppress phragmites and provide rough grading of the inner harbor Masonville site.

Project Status - Issues/Solutions (both required):

Issues:

- ◆ **The scope of work incorporates use of aerial applicator and extensive rental of heavy equipment.**

Solutions:

Active grading and clearing is occurring, with five pieces of equipment in use today. Where grading has occurred, the phragmites growth appears to be mostly controlled. Approximately 50% of the site is graded, and an additional 20% has been cleared and is in the process of being graded. Spraying of approximately 16 acres occurred on July 15, 2003. It is anticipated that this spraying will kill the phragmites

Project Status Report Form
Prepared by John Vasina
Harbor Development

above ground growth, but only provide minimal killing of the roots. Jim Sammis of WeedPro informed us that we may not see signs of the Phragmites dying off for 7-10 days, but the plants will begin to translocate the herbicide within 24 hours and this will start the dying process. MES observed signs of yellowing on some of the sprayed phragmites. MES will continue to clear and grade the site including the newly sprayed phragmites. All phragmites as well as the root mat are to be hauled off site to the Quarantine Road landfill. All reasonable effort will be made to remove any phragmites roots and above ground material from the site and not buried on site. Once the site is graded, no spraying will occur until September when the phragmites is fully tasseled. At this time, WeedPro will perform an aerial spray of the entire site at the most appropriate time to kill the phragmites roots and plants.

MES is still looking at completion of grading by the end of July, with the exception of the north side where stabilization still needs to occur. Luis has forwarded a sketch of the areas in need of stabilization. MNE has forwarded specifications for stone and geogrid to David Ferguson who is pursuing costs to provide MPA and MNE with a cost to stabilize these two areas.

Craig Huntley of MES first met Ken at the cell 5 site to discuss boring locations. EBA expects to be on site the end of next week and will be using an ATV for accessing the boring sites. Larry Walsh met us to see the site as well. JMT has previously staked out the existing pipe to make locating the alignment easier.

On phase II, the entire site is graded and rolled, except for the northern end that still needs to be stabilized. David Ferguson is to get Craig cost estimates as well as a record of available funds in the contract. Once we have this information, we can determine how much can be stabilized within the existing funding. A final survey needs to be done on the site, but this should wait until the site is fully stabilized. This is the same area where URS is planning SWM and we will coordinate with their plans.

The phragmites are coming back in some areas, but not heavily or to the point of tufting. If spraying is put off as late as possible, this would be around the third week of October. According to Jim Sammis and everyone else Craig have spoken to, unless the Phrag is tufting, there will not be full translocation to the roots. Because of this, and the fact that the phrag is very thin throughout the site. It appears that the most practical approach is to schedule spraying from a truck or with backpack sprayers and to not use aerial spraying. Once this is agreed upon, we need to let Jim Sammis of Weedpro know, so he can schedule accordingly.

Possible new phase of the project could be implemented to accommodate terminal for Mercedes Benz.

Additionally there is a need to make additional adjustment to discharge system.

Signature/Date:


(Project Manager)

Project Status Report Form
Prepared by John Vasina
Harbor Development

Project Name:

Masonville Expansion

Project Manager:

John Vasina

Assignee(s) (Consultants/Contractors):

Maryland Environmental Service

Contract or Task Period:

07/15/03 – 12/31/04

Budget Line #

1085

PIN #:

54000010

Contract #:

500912

Task #, Name:

37

Project Budget (Total):

\$178,675

Revisions:

\$20,000; \$273,059

Revision #:

2

% of Work Complete (Total):

58.00%

% Expended \$ (Total):

63.32%

**% of Work Complete
(Crnt. FY):**

25.00%

% Var./Balance:

75.00% (favorable)

**% Expended \$ (Crnt.
FY):**

43.97%

% Var./Balance:

56.03% (favorable)

Project Goal(s):

Preliminary engineering assessment and design for the Masonville Dredged Material Containment Facility.

Project Objectives:

Preliminary design analysis for an expansion of the existing DMCF incorporating features that will facilitate cell closure and conversion and integration into the MPA's Masonville Marine Terminal operation.

Project Status - Issues/Solutions (both required):

Issues:

- ◆ **Unanticipated need to design a replacement of approximately 500 linear feet of 42-inch corrugated metal storm drain pipe which has collapsed at the Masonville site.**

Solutions:

- **Additional funding of \$20K was approved on August 12, 2003.**
- **Meeting was held on October 27 with MPA's Engineering Department and**

Period to: 09/30/05

Project Status Report Form
Prepared by John Vasina
Harbor Development

Moffatt & Nichol Engineers to discuss additional study needs; specifically, additional borings needed to locate sand borrow areas.

- **Storm drain system needs to be possibly adjusted, proposal is being prepared by Moffatt & Nichol (anticipated in September 2005).**

Signature/Date:


(Project Manager)

10-28-05

Project Status Report Form
Prepared by John Vasina
Harbor Development

| | | | |
|--|------------------------|----------------------------------|------------------------|
| Project Name: | | Project Manager: | |
| Dredge Material Recycling (Agricultural Use) | | John Vasina | |
| Assignee(s) (Consultants/Contractors): | | Contract or Task Period: | |
| University of Maryland - Wye Agricultural Laboratory/MES | | 09/01/97 – 12/31/06 | |
| Budget Line # | PIN #: | Contract #: | Task #, Name: |
| 1095 | 600105-S | 598819 | |
| Project Budget (Total): | | Revisions: | Revision #: |
| \$384,835 | | | |
| % of Work Complete (Total): | | % Expended \$ (Total): | |
| 87.70% | | 87.70% | |
| % of Work Complete (Crnt. FY): | % Var./Balance: | % Expended \$ (Crnt. FY): | % Var./Balance: |
| 20.00% | 80.00% | 3.64% | 96.36% (favorable) |

Project Goal(s):

To make preliminary recommendation that the agricultural use of dredge material is either viable option to be considered for Governor's Strategic Plan for Dredged Material Placement or it should not be considered for the inclusion in the Plan. . Specifically, to investigate the feasibility of using dredged material on agricultural land as a soil supplement or soil amendment.

Project Objectives:

To address the benefit created through improving unproductive land (farmland). Additional objective is to quantify the value of unproductive farmland vs. the improved value of the land if dredged material increases agricultural yields.

The MPA initiated this project in 1998, with three major objectives – to perform a feasibility study for agricultural recycling of dredged material; to attempt to find recycling options for up to 500,000 cubic yards of dredged material annually; and to investigate agricultural, horticultural and industrial application of dredged material, defining soil and water quality and crop germination and production factors.

Project Status Report Form

Prepared by John Vasina

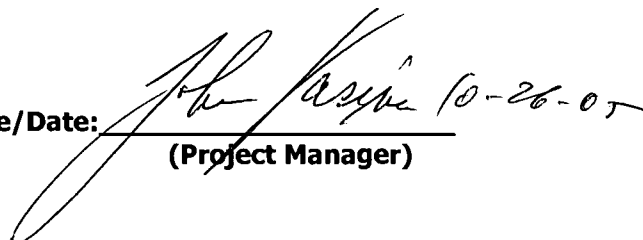
Harbor Development

Project Status - Issues/Solutions (both required):

Ken Staver sent his draft proposal for continuation of the study of agricultural use of dredged material on August 1, 2004. MES is in the process of reviewing and editing the Wye proposal and preparing an overall proposal for the next phase of this work for MPA.

MES will discuss the logistics of obtaining dredged material from Courthouse Point with USACE Philadelphia for next spring. Mr. Staver will revise his proposal to update some dates after hearing about the status on the dredged material from Courthouse Point and submit to MES. MES will work on a draft proposal for MPA review for future work. It will be combined with Ken Staver's proposal and folded into an overall proposal for the entire task for submission to MPA. MES is continuing to work on a draft proposal for MPA review for future work. It will be combined with Ken Staver's proposal and folded into an overall proposal for the entire task for submission to MPA.

Signature/Date:

 10-26-05

(Project Manager)

Project Status Report Form
*Prepared by Maryland Environmental Service (MES) for
Harbor Development*

Project Name:
Dredged Material Recycling

MPA Project Manager:
John Vasina

Assignee(s) (Consultants/Contractors):
Maryland Environmental Service
USDA- Beltsville
University of Maryland - Wye Agricultural
Research Center

MES Task Manager: Karen Cushman
Contract Period: 9/1/1997 – 12/31/2006

| | | | |
|----------------|---------------|--------------------|----------------------|
| MDOT #: | PIN #: | Contract #: | Task #, Name: |
| 1095 | 54010510 | 598819 | |

| | | |
|--------------------------------|-------------------|--------------------|
| Project Budget (Total): | Revisions: | Revision #: |
| \$384,835.39 (Original) | | |

| | |
|----------------------------|----------------------------|
| % Complete (Total): | % Expended (Total): |
| 90% | 88% |

| | | | |
|----------------------------------|------------------------------|--------------------------------|-----------------|
| % Complete (Crnt. FY 06): | % Rem. (Crnt. FY 06): | Expended (Crnt. FY 06): | Balance: |
| 13% | 87% | \$30,60.82 | \$47,321.08 |

Project Goal(s): To investigate the feasibility of using dredged material on agricultural land as a soil supplement or soil amendment.

Project Objectives: The MPA initiated this project in 1998, with three major objectives – to perform a feasibility study for agricultural recycling of dredged material; to attempt to find recycling options for up to 500,000 cubic yards of dredged material annually; and to investigate agricultural, horticultural and industrial application of dredged material, defining soil and water quality and crop germination and production factors.

Progress Towards Objectives: Ken Staver sent his draft proposal for continuation of the study of agricultural use of dredged material on August 1, 2004. MES is in the process of preparing an overall proposal for the next phase of this work for MPA.

Project Status - Issues/Solutions (both required):

MES finished reviewing the Wye proposal and contacted Mr. Staver to discuss. MES has contacted Chip DePrefontaine with USACE, Philadelphia District to discuss the logistics of obtaining dredged material from Courthouse Point for next spring. Mr. DePrefontaine informed MES that dry material from Courthouse Point would be available next spring. Mr. Staver has been informed of the status of the material and will revise his proposal to update some dates and costs and resubmit to MES. MES is currently awaiting Mr. Staver's revised proposal. MES is continuing to work on a draft proposal for MPA review for future work. It will be combined with Ken Staver's proposal and folded into an overall proposal for the entire task for submission to MPA.

Signature/Date: Karen Cushman 10/5/05
Project Manager

Project Status Report Form
Prepared by John Vasina
Harbor Development

| | | | |
|---|------------------------|----------------------------------|------------------------|
| Project Name: | | Project Manager: | |
| MDE Ballast Water Program | | John Vasina | |
| Assignee(s) (Consultants/Contractors): | | Contract or Task Period: | |
| Maryland Department of the Environment | | 01/31/03 – 01/01/05 | |
| Budget Line # | PIN #: | Contract #: | Task #, Name: |
| 1125 | 54010740 | 500910 | |
| Project Budget (Total): | | Revisions: | Revision #: |
| \$161,000 | | \$0 | |
| % of Work Complete (Total): | | % Expended \$ (Total): | |
| 100.00% | | 92.38% | |
| % of Work Complete (Crnt. FY): | % Var./Balance: | % Expended \$ (Crnt. FY): | % Var./Balance: |
| 0.00% | N/A | 0.00% | N/A |

Project Goal(s):
 Implementation of reporting of information by maritime industry to MDE about ballast water. (Maryland legislation enacted in 2000 created an enforceable requirement for the maritime industry).

Project Objectives:
 MPA's funding support helps MDE to start the program, draft and promulgate regulations, and set up the ongoing reporting framework.

Project Status - Issues/Solutions (both required):

Issues:

- ◆ Program was originally funded from MPA's operating budget.

Solutions:

- Approval has been received from Secretary Porcari to amend the existing MOU between MPA and MDE (Contract No. 500910) and allow MDE to conduct work in support of MDE's ballast water program under this contract.
- MDE is submitting quarterly reports.

Project Status Report Form
Prepared by John Vasina
Harbor Development

- **MDE's ballast water program regularly update and maintain a ballast water database that is used to collect information about ballast water report forms, ships that enter and depart the State of Maryland, contact information and compliance tracking. MDE is sending compliance verification letters to shipping agents of vessels that did not send in report forms at the end of each month. For example, in 2003, the average compliance rate (prior to receipt of compliance verification letters) was 71%. However, the average compliance rate (after receipt of compliance verification letter) climbed to 94%.**
- **MDE is inquiring about possible extension of this contract beyond 06/30/05. MDE submitted list of potential tasks that would be done under the contract. Specifically, MDE is emphasizing work pertaining to the potential Inner Harbor Dredged Material Placement sites. Overall contract No. 500910 was extended to June 30, 2011, and amended by \$500K. The Ballast Water segment of the contract is completed.**

Signature/Date: _____


(Project Manager)

Date: September 30, 2005

Project Status Report Form
prepared by
Harbor Development

Project

Dredged Material Management Consulting - Dredging

Project Manager:

John Vasina

Assignee(s) (Consultants/Contractors):

Gahagan & Bryant Associates, Inc.

Contract Period:

02/15/05 – 12/31/06

Budget Line #

1155

PIN #:

54100010

Contract #:

502820A

Task #, Name:

Task 11 Blackwater
National Wildlife Refuge
Planning & Cost Estimates

Project Budget (Total):

\$63,113

Revisions:

Revision #:

% Complete (Total):

40%

% Expended (Total):

28.48%

% Complete (Crnt FY):

40%

Var/Balance:

Favorable 60.00%

**% Expended
(Crnt FY):**

0.00%

Var/Balance:

Favorable 100.00%

Project Goal(s)

Much interest has been expressed in Blackwater NWR restoration as noted in discussions recently at the February DMMP Management Committee meeting. There are diverse approaches involving application of dredged material to restore marsh areas. This work will involved concept level studies of the application of Maintenance Dredging Material to restore the Blackwater NWR.

Project Objectives:

GBA will provide qualified staff to assist the MPA with the following subtasks

- 11.1)** Review Data & Mapping – Cost Estimates
- 11.2)** Concept Study Report

Project Status - Issues/Solutions (both required):

Prepared conceptual cost estimates for direct hydraulic pipeline and scow pumpout alternatives for placing dredged material at Blackwater NWR.



(Project Manager)

October 26, 2005

(Date)

Date: September 30, 2005

Project Status Report Form
prepared by
Harbor Development

Project

Open Ended Planning

Project Manager:

John Vasina

Assignee(s) (Consultants/Contractors):

John Martin & Associates, Inc.

Contract Period:

04/15/05 – 12/31/05

Budget Line #

1170

PIN #:

54130010

Contract #:

502820D1

Task #, Name:

Task 1 Analysis of Benefits
of the Dredging the 50'
Channel

Project Budget (Total):

\$166,729

Revisions:

Revision #:

% Complete (Total):

35%

% Expended (Total):

27.77%

% Complete (Crnt FY):

25%

Var/Balance:

Favorable 75.00%

**% Expended
(Crnt FY):**

27.72%

Var/Balance:

Favorable 72.28%

Project Goal(s)

To justify the O & M dredging expenditures to maintain authorized channel project specifications.

Project Objectives:

To measure the economic benefits of maintaining the 50 ft. main shipping channel serving the Port of Baltimore.

Project Status - Issues/Solutions (both required):

John Martin requested from the US Army Corps of Engineers the data pertaining to the Corps' previous studies of the 50 ft. shipping channel.

Danny Closterman (410 962-3215) is Corps' contact for John Martin's contract.

Meeting was held in September (Martin Associates, MPA & GBA) to discuss incremental costs of deepening.



(Project Manager)

October 26, 2005

(Date)

Project Status Report Form
Prepared by
Harbor Development

Project Name:

Poplar Island Environmental Restoration Project
(This project is included under MES Open Ended Consulting EPATs)

MPA Project Manager:

Dave Bibo

MES Project Manager:

Melissa Slatnick

Assignee(s) (Consultants/Contractors):

Maryland Environmental Service

Contract Period:

01/01/04 – 01/31/05

01/01/04 – 04/10/06 (Revised February 2005)

Budget Line #

PIN #:

1085

54000010

Contract #:

500912

Task #, Name:

#46, PIERP Adaptive Mgmt. Plan (AMP)

Project Budget (Total):

\$292,019 (Total Budget)

\$214,367 (FY 2005)

\$85,864 (FY 2006)

Revisions:

None

Revision #:

N/A

% Complete (Total):

92%

% Expended (Total):

80%

% Complete (Crnt. FY): **% Var./Balance (Crnt. FY):**

85% (Based on revised SOW with most work re-assigned to website task)

% Expended (Crnt. FY):

31%

Project Goal(s):

- Continuation of services on the Poplar Island Adaptive Management Plan (AMP) and Project Management Plan (PMP).
- Development of the updated Poplar Island Habitat Development Framework (HDF).

Project Objectives:

- Provide technical support and contractor oversight for the continued development of the AMP and PMP.
- Provide revised drafts of the HDF.
- Provide support at the AMP team meetings and HDF development meetings (Habitat Sub-group Meetings).
- NEW: Implement a web-based system for adaptive management task database.

Project Status Report Form*Prepared by***Harbor Development****Project Status – Issues/Solutions (both required):**

- **Issues**
- None.

- **Solutions**
- None required.

NOTE: With the exception of the website development and maintenance subtask, all work under EPATS Task 46 has been completed.

Continued work on the Poplar Island Project Management Plan and Adaptive Management Plan is continuing under ERP Task 36.

- **MES Activities:**
 - Contractor oversight and management for the remaining task of website development.
 - Drafted August progress report; reviewed and approved subcontractor and client invoices.
 - Continued working with EA in refining the Poplar database website. MES has been working with EA to “clean-up” some of the task creation menu options in the website such as: responsible parties, permits, reports, and task names. MES has also started to use the website to input new tasks as they are assigned.

- **EA Engineering, Inc. Activities:**
 - Attended meeting to review website components with MPA and CENAB on 09/13/05.
 - Continued to address MES comments on website including changes to website menu options and including a task search option.

- **Future Activities:**
 - MES/EA/MPA/CENAB will meet again for final training on the website
 - EA will continue to host the website through April 2006. (After April 2006, EA has an option on ERP Task 36 that would allow EA’s continued support of the site.)

Total Contract Amount: \$292,019

Total September 2005 Invoice: \$917.11

Total Amount Invoiced as of 09/30/05: \$234,406.48

Signature/Date: David Belis 10.25.05
(Project Manager)

MONTHLY PROGRESS REPORT

Gahagan & Bryant Associates, Inc.

| | | | | |
|---|-----------------------------------|---|-------------------------------------|----------------------------|
| CLIENT Maryland Environmental Service | | REPORT PERIOD September 1, 2005–September 30, 2005 | | |
| CONTRACT NO. 05-07-94 | FEDERAL TAX ID NO. 11-2555-488 | WORK ORDER NO.: | | |
| PROJECT DESCRIPTION EPATS Task 54 – South Locust Point Entrance Channel Dredging The South Locust Point Marine Terminal entrance channel widening is required in order to create navigable waters for cruise ships to berth at Pier 9. The task will include: geotechnical field borings, testing and data analysis; three hydrographic surveys (conditional, BD/AD); channel design, engineering 90%, 100% plan drawings, specification and engineers cost estimate (PSE); and project management, planning, bidding, and project oversight | | CLIENT REPRESENTATIVE Darren Fisher | | |
| | | PROJECT MANAGER Martin Snow | | |
| SUMMARY OF PROGRESS DURING THIS PERIOD | | | | |
| General Scope: - GBA will provide qualified staff to assist in the geotechnical investigations, hydrographic surveys, channel design and engineering, and provide project management and oversight. | | | | |
| Subtask 54.2.1 – Geotechnical Field Borings Testing Data Analysis – (Budget: \$56,114) | | | | |
| 100% Task item completed, submitted as portion of appendix to contract specifications, subcontract billings previously submitted. No activity this item for this period. | | | | |
| Subtask 54.2.2 – Hydrographic Surveys, Condition, BD/AD (3 events) – (Budget \$43,436) | | | | |
| 1st event, condition survey for plans, completed previously. Second event, BD survey field work completed 9/19. Contractor's representative accompanied survey as did Representative from MPA Engineering staff. Processed documents and electronic data was transmitted to MPA Engineering, GLDD & MES. | | | | |
| Subtask 54.2.3 – Channel Design Engineering 100%, 100% PSE – (Budget \$57,741) | | | | |
| Final mark-up to Specifications reviewed & revised, May 10 th . No further activity this period. | | | | |
| Subtask 54.2.4 – Project Management, Planning Bidding – Project Oversight – (Budget \$42,727) | | | | |
| Formal Pre-Construction mtg with Contractor on 9/12. Mtg with Contractor on 9/28 to review BD survey data and quantity calculations. NTP issued on 9/26. Contractor preparing and mobilizing equipment to HMI. Administrative work by MRS on inspection issues, task management, HMI inflow location for SLP Project. Inspections and meetings during mobilization of Contractor's equipment continue as necessary. Close coordination with Bill Whitecotton, MPA Resident Engineer, is being performed. | | | | |
| PROBLEMS/ISSUES NEEDING RESOLUTION | | | | |
| None noted. | | | | |
| Note: It is anticipated that remainder of the budget will be expended with one further survey event and inspection/contract management activities during the construction phase. The dredging schedule has been established as approx. 10/15 to 11/10. | | | | |
| FINANCIAL STATUS | AUTHORIZED AMOUNT | INVOICED DURING PERIOD | INVOICED TO DATE | REMAINING AT END OF PERIOD |
| | \$ 200,018.00 | \$8741.00 | \$168,538.00 | \$31,480.00 |
| PROGRESS REPORT SUBMITTED BY: Martin Snow | | | DATE SUBMITTED: October 25, 2005 | |

Project Status Report Form
Prepared by
Harbor Development

Project Name:
Hart-Miller Island South Cell Environmental
Restoration Project (HMI SCERP)

Project Manager:
David Bibo

Assignee(s) (Consultants/Contractors):
MES

Contract Period:
2002-2005

Budget Line #:
735

PIN #:
50130040

Contract #:
500607

Task #, Name:
HMI SCERP

Project Budget:
\$1,800,000 (Total)
\$88,233(FY06)

Revisions:
None

Revision #:
None

% Complete – Work (Total):

% Expended - \$ (Total):

7%/\$117,270

93%/\$1,682,730

% Complete (Crnt FY): Var/Balance:

% Expended (Crnt FY): Var/Balance:

10%

2%/\$1,639

98%/\$85,159

Project Goal(s):

Restore the Hart-Miller Island South Cell creating a habitat for migratory birds, consisting of mud flats, nesting island, and uplands.

Project Objectives:

- Provide habitat for migratory birds.
- Allow citizens to observe the birds from viewing areas

Project Status Report Form
Prepared by
Harbor Development

Project Status - Issues/Solutions (both required):

Issues

- Gwen Meyer of the USACE conducted a vegetation survey of the South Cell uplands. She provided the MPA with a Memorandum for Record (MFR) that recommended annual mowing in the South Cell uplands, mowing/mulching around woody shrubs and trees, and continuing control of the invasive species, *Phragmites*, and controlling pokeweed and mile-a-minute vine with a broadleaf herbicide.
- The berm in front of Spillway 3 was removed and water was allowed to flow to the spillway. Unfortunately, the spillway was leaking and the berm in front of the Spillway had to be re-established.

Solutions

- MES conducted hand removal of a 1-acre plot of mile-a-minute and will be developing a plan of action to deal with invasive species within the South Cell. MES contracted an aerial spray for *Phragmites* to be completed in early October. The future mowing, mulching and invasive species (other than *Phragmites*) tasks will be covered under the South Cell monitoring proposals that will be submitted annually.
- MES Operations and Engineering Staff are developing a punch list of items that need to be completed to make Spillway 3 fully functional. Improvements have been added to the weir board and gate structure. Caulking was applied to the seams between the weir boards and a Weather Watch^R membrane was adhered to the face of the structure.

Construction:

- Geo Con has completed almost all their tasks and they have demobilized.
- The USACE is preparing a punch list for items that need to be corrected prior to closing the contract. Punch list items include: ground cover replacement in some areas, repair of the walkway around the pond, and replacement of the light poles outside of the control building (see below).
- MES is managing all repairs related to the spillway (003): the contract was awarded to Strum Contracting Company. Strum was back on site and added improvements to the weir board and gate structure. Caulking was applied to the seams between the weir boards and a Weather Watch^R membrane was adhered to the face of the structure.
- Light poles outside of the control building and some of the walkway areas were fixed for the dedication ceremony by MES upon approval from MPA.

Environmental Monitoring:

- The SCERP is currently in Year 1 monitoring (November 2004-October 2005). The baseline monitoring year ended in November 2004. Interior water quality (MES) and interior sediment quality (UMCES) monitoring was conducted in the baseline year.
- MES is conducting Year 1 interior water quality monitoring. One set of samples was collected on September 30, 2005 from the pond in front of Spillway 3, the pond where the pump is located and at N. 265 in the Bay.
- MES began reviewing the amount of mulch that would be needed for the upland trees and shrubs.
- MES is preparing to conduct pre-discharge sampling at Spillway 003 after the gate is tested for leaks and the berm removed.

Project Status Report Form
Prepared by
Harbor Development

- The University of Maryland Center for Environmental Science (UMCES) completed a set of sediment water exchange experiments and pore water sampling at 4 sites.
- UMCES collected more than half of the targeted solid phase samples for both sediments and soils and completed *Scirpus* seed and other plant collection for chemical analysis.
- MES began preparing the Year 2 Monitoring plan and Proposal.

Total Project Amount: \$1,800,000

Total Funding Allocated for Year 1 Monitoring: \$88,232.08

09/30/05 Invoice Amount: \$1,639.44

Total Remaining for Year 1 as of 09/30/05: \$85,159

Total Remaining for Project as of 09/30/05: \$117,270

Signature/Date: David Belov 10.25.05
(Project Manager)

Cox Creek DMCF
Task Update
September 2005

****All tasks included in this update (except where noted) are funded from the approved FY 05 and FY06 Cox Creek Operations and Monitoring Budget. Costs associated with specific Cox Creek monitoring tasks are not tracked separately, unless requested.****

Environmental Monitoring Tasks for Reporting Period:

Update: Monitoring activities at Cox Creek during the reporting period were based on the Cox Creek Discharge Permit. Since March 11, 2005, the spillways have been used for discharge and the Stormwater Monitoring Plan (2003) has been replaced with the State Discharge Permit.

With high copper and zinc concentrations occurring throughout the month, MES has been collecting additional daily grab samples and coordinating a 24-hour laboratory turn around time for results to assist in making operational decisions.

- Collection of 8-hour composite sample during stormwater discharge.
- Maintained and calibrated lab and field equipment daily.
- Monitored the pH of the pond in the North Cell daily.
- Transported daily and weekly samples to laboratory and compared the results with the discharge permit to maintain discharge.
- Hach kit tests were performed to test ammonia concentrations in the Sump ponds during discharge.
- Performed turbidity tests in the North Cell pond hourly during discharge.
- Determined when and added lime to the North Cell pond based on pH levels and metal concentrations.
- Compiled data into weekly, monthly and quarterly reports for stormwater management and wetland monitoring.
- Continued implementing the monitoring plan for the Swan Creek mitigation area.
- Maintained analytical databases.
- Ordered supplies for environmental monitoring.

Future: MES will continue the water quality monitoring and prepare the required reports. The Swan Creek Mitigation Area plan will continue to be implemented and monthly reports on the mitigation site will be submitted under separate cover.

Meetings, Tours & Events:

- 09/01/05 @ 15:15 p.m. - Linda Witherow with the Department of Agriculture performed onsite mosquito monitoring.
- 09/07/05 @ 11:30 p.m. - Biohabitats downloaded data from the tidal gauges in the Swan Creek mitigation area.

- 09/08/05 @ 9:30 a.m. - Linda Witherow with the Department of Agriculture performed onsite mosquito monitoring.
- 09/13/05 @ 8:30 a. m. – Cox Creek Operations Meeting – Location: On-site.
- 09/13/05 @ 9:30 a. m. – Unloading pier construction progress meeting w/ Corman-Imbach Marine Inc. – Location: On-site.
- 09/13/05 @ 11:00 a.m. - Biohabitats meeting.
- 09/14/05 @ 15:00 p.m. - Linda Witherow with the Department of Agriculture performed onsite mosquito monitoring.
- 09/15/05 @ 9:30 a.m. - Linda Witherow with the Department of Agriculture performed onsite mosquito monitoring.
- 09/19/05 @ 08:00 a.m. – The National Aquarium in Baltimore (NAIB), along with a student group, donated and planted vegetation in the wetlands.
- 09/21/05 @ 14:30 p.m. - Linda Witherow with the Department of Agriculture performed onsite mosquito monitoring.
- 09/22/05 @ 10:45 p.m. - Linda Witherow with the Department of Agriculture performed onsite mosquito monitoring.
- 09/27/05 @ 8:30 a. m. – Cox Creek Operations Meeting – Location: On-site.
- 09/27/05 @ 9:30 a. m. – Unloading pier construction progress meeting w/ Corman-Imbach Marine Inc. – Location: On-site.

Cox Creek Discharge Permit:

Update: The Cox Creek Discharge Permit became effective on December 1, 2004. A groundwater monitoring sampling plan was sent to MPA for review after which MPA intended to forward the plan to MDE.

- MES sent a letter to MDE addressing biomonitoring sampling schedule (will be conducted after first inflow)

Future Tasks:

A nutrient reduction plan is required 12 months after the first inflow. MES is coordinating with MPA in the development of the plan in coordination with the development of the HMI plan.

Operations Tasks for Reporting Period:

Update: The MES operations group is currently conducting tasks which can be split into the following categories: general operations, equipment maintenance and repair tasks, and site management and other in an effort to prepare the Cox Creek site for future inflow operations.

Construction Activities (Weather Permitting):

- MES continued to dig trenches as needed for the flow of water towards the spillways in both cells. Trenches may need to be re-worked and/or moved in order to access suitable material.
- Suitable material continued to be pushed up, and MES continued to load dump trucks, move material to dike raising locations, and handle material when dumped

*****INTERNAL USE ONLY*****

in dike raising location. Both VSA and Colossal workers were on site aiding in operational activities. Through September 24, 2005 a total of 12,294 truckloads (159,822 cy) of material have been placed. Work on widening the dike to +24 feet is 95.97% complete.

- Corman-Imbach Marine Inc. continued work on the forming and pouring pile caps. The approach slab and abutment poured.

Equipment Maintenance and Repair Tasks:

- Daily operational maintenance performed on all heavy equipment.
- Daily servicing of 6" pumps.
- A 750-gallon skid sprayer and platform was installed on the 1990 Stake body truck for use on *Phragmites* control.

Site Management and Other:

- Continue tracking assets and assigning appropriate I.D. tags (on-going process).
- Removing debris off the wetland area beach continues. Once the debris accumulation is enough to fill a container, MES will have a container delivered, load the accumulated debris, and remove it from the site.
- Biohabitats continued to monitor tidal gauges in the Swan Creek wetlands and download data.
- MES continues to handle the Domino Sugar material on the road surface to keep the area clear for transportation purposes. MES is spraying the roads in this area daily to help with dust control.
- MES has been asked by MPA to look into the re-activation of the power sub station located on site. MES has contacted BG&E to begin the process of gathering information regarding resources, time line, cost, etc. for the re-activation of the sub station on site. MPA has contacted BG&E and provided the information necessary for BG&E to provide a cost proposal to MPA.
- MES began the preliminary work to outfit the scale house with shelving for storage purposes.
- A fence was installed around the front of the Administration building as a safety precaution on August 14th.
- Storm drain work is 99% complete. Manhole #3 was opened and the drain is flowing freely. The bollard installation is underway. Project should be completed by mid-October.
- Removal of asphalt for the unloading pier mitigation areas 1,2 & 3 is 100% complete. The sub-contractor for Corman-Imbach completed the saw cutting of the areas on 8/24. Areas will be graded with Domino Sugar tailings and capped with topsoil.

Construction Activities for the Reporting Period:

Update: MES is conducting construction inspection, subcontractor management, and working on future construction procurements. In an effort to make this update as comprehensive as possible, also included are the tasks completed by various subcontractors during the reporting period.

The following construction activities were completed in September, 2005

- Corman-Imbach Marine Inc. has driven all the piles and replaced the stone. Approach slab and abutment have been poured. Problems reported with the concrete breaks for these two components.
- The dike widening was completed to +24 feet and a full survey was conducted. Preparations to continue raising the dike to +28 feet were made.
- Cianbro has completed the construction of Spillways #1 & #2. Contract in the process of being closed out.

The following construction activities were on-going or upcoming in October, 2005

- Corman-Imbach Marine will pour the concrete pile caps and let them cure before proceeding to placing the planks.
- Storm drain work is 99% complete. Manhole #3 has been opened and the drain is flowing freely. Bollard installation is underway. Project should be completed by mid-October.

Project Status Report Form
Prepared by
Harbor Development

Project Name:
Cell Surveying Services at Poplar Island

MPA Project Manager:
Dave Bibo

This task is included in the overall PIERP ERP Contract

MES Project Manager:
Darren Fisher

Assignee(s) (Consultants/Contractors):
Maryland Environmental Service

Contract Period:
09/20/05 – 09/19/06

| Budget Line # | PIN #: |
|----------------------|---------------|
| 1220 (old) | |
| 1090 (new) | 54020020 |

| Contract #: | Task #, Name: |
|--------------------|----------------------|
| 500828 | ERP #37, PIERP |

Project Budget (Total):
\$185,862

| Revisions: | Revision #: |
|-------------------|--------------------|
| \$0 | NA |

% Complete (Total):

% Expended (Total):

0%

0% (based on Task 37 only)

% Complete (Crnt. FY): **% Var./Balance (Crnt. FY):**

% Expended (Crnt. FY):

0%

0% (based on Task 37 only)

Project Goal(s):

Provide cell surveying services to the MPA and USACE for the management of cell development. Provide support to USACE for sampling activities within the cells at Poplar Island.

Project Objectives:

- Provide topographic surveys.
- Provide USACE sampling support..

Project Status:

MES Activities:

- Submitted proposal for ERP Task 37 to MPA on September 7, 2005.
- Received approval for task on September 20, 2005.

Future Activities:

Project Status Report Form
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Harbor Development

- MES to conduct surveying activities during the month of October 2005.
- MES to support USACE sampling activities during the month of October 2005.
- MES to provide complete surveys to the MPA and USACE prior to inflow activities.

Total Contract Amount (Task 37 only): \$185,862

Total for Task 35 in September 2005 Invoice: \$0

Total Amount Invoiced for Task 35 as of 09/30/05: \$0

Signature/Date: David Belvo 10 25 05
(Project Manager)

Project Status Report Form
Prepared by MES for
Harbor Development

Project Name:

EPATS Task 59: Poplar Cell 3D Sediment and Plant Monitoring
(This project is included under MES Open Ended Consulting EPATS)

MES Project Manager:

Jennifer Harlan

Assignee(s) (Consultants/Contractors):

Maryland Environmental Service
UM Center for Environmental Science

Contract Period:

7/11/05 – 07/31/07

Budget Line #

PIN #:

Contract #:

Task #, Name:

1085

54000010

500912

EPATS #59
Poplar Cell 3D
Sediment and Plant
Monitoring

Project Budget (Total):

\$535,871(Total Budget)

Revisions:

None

Revision #:

N/A

% Complete (Total):

15%

% Expended (Total):

0%

% Complete (Crnt. FY): **% Var./Balance (Crnt. FY):**

20% (Based on work anticipated vs. completed in FY06)

% Expended (Crnt. FY): **% Var./Balance:**

0%

Project Goal(s):

- To monitor Cell 3D to gauge the suitability of dredged material as a planting substrate by: studying the sediment biogeochemistry and pore water biogeochemistry, and assessing the success of the marsh plantings.

Project Objectives:

- To monitor Cell 3D to quantify the degree of success in meeting the goals of the project for establishing healthy marshes. To monitor the dissolved phase of the water in the dredged material substrate. To conduct analysis on the solid phase dredged material substrate. To determine how the pore water and sediments are affecting the plant growth. To map sediment erosion and accretion. To measure the success of the plantings within the marsh and on the habitat island. To determine what design features and cell treatments are the most successful in promoting good plant growth and coverage.

Project Status Report Form
Prepared by MES for
Harbor Development

Project Status – Issues/Solutions (both required):

- **Issues**
 - None

- **Solutions**
 - None required.

- **MES Activities:**
 - Performed contractor oversight and management.
 - Prepared August progress report.

- **UMCES Activities:**
 - Attended site visit with Corps and MES to review cell design and planting scheme.
 - Deployed pore water equilibrators and collected 2 sample sets.
 - Set plant transects and started processing vegetation data.
 - Collected cores for algal production.
 - Collected plant issue for metal and nutrient analysis.
 - Deployed a Hydrolab in the cell to track dissolved oxygen.

- **Future Activities:**
 - MES will continue subcontractor oversight and management, including report review, subcontractor management and invoice payment and schedule oversight.
 - UCMES continue deploying pore water peepers and finish analysis of vegetation survey data

Total Contract Amount: \$535,871

Total Amount of 09/30/05 Invoice: \$ 53.57

Total Amount Invoiced as of 09/30/05: \$56.06

Signature/Date: David Bullock 10/25/05
(Project Manager)

PROGRESS REPORT

Project: OPEN-WATER PLACEMENT SITE 92 Period: September 2005

MPA Contract No.: 599910

MPA PIN: 521100-40

CENAP Contract No.: DACW61-03-C-00031, Option Year 1

MPA Contract Amounts:

Year 3: \$157,430.09

Year 4: \$162,130.72

Year 5: \$164,790.13

Year 6: \$122,424.27

Year 7: \$118,680.93

A. Site Management

1. MES distributed the Draft Year 8 Site Management Plan for review by the Principal Investigator Team.
2. MES received and reviewed the Contractor's Work Plan for Year 8.
3. MES incorporated PI Team comments to the Year 8 Site Management Plan and finalized the document.
4. MES submitted the Year 8 Site Management Plan to MDE.
5. MES prepared an agenda and scheduled a Contractor/Team meeting for October 5, 2005.
6. MES produced the Year 8 Pre-Placement Survey from CENAP survey data, which was performed June 27-28, 2005.
7. MES coordinated with the PI Team to ensure completion of activities required to begin the Year 8 Placement Year.

B. Consolidation and Resuspension (MGS)

1. MGS continued to analyze Year 7 survey and sediment data collected to date.
2. MGS conducted Year 7 six-month post-placement (final) bathymetric survey on September 21-22, 2005.
3. MGS began processing the Year 7 six-month post-placement (final) bathymetric survey with preliminary tidal data.
4. MGS conducted Year 8 pre-placement bathymetric survey on September 21 and 22, 2005.

5. MGS began processing the Year 8 pre-placement bathymetric survey with preliminary tidal data.
6. Prepare for pre-placement coring cruise scheduled on October 3, 2005.
7. MGS scheduled the Year 7 six-month (final) coring cruise and Year 8 pre-placement core collection for October 3, 2005.
8. MGS submitted a monthly status report to MES for the month of September on September 30, 2005.

C. Benthic Community Evaluation

1. The benthic community evaluation will not be performed until approximately 18 months after the end of all placement activities at Site 92.

D. Technical Support (MDE) Report Period July-September

1. MDE attended the Site 92 PI Team meeting conference call on July 21, 2005.
2. MDE reviewed the July 21st PI Team Meeting summary
3. MDE coordinated internally to prepare documentation necessary to issue a Water Quality Certification for Year 8 (2005/2006) material placement.
4. MDE provided updates to the Site 92 PI Team on the status of the Year 8 WQC.
5. MDE reviewed and approved both the Year 8 Site Management Plan and the Year 8 Site Monitoring Plan.
6. MDE reviewed the draft Year 6 Placement, Consolidation, and Erosion Study Report.
7. MDE reviewed the draft Year 6 Comprehensive Monitoring Report.

E. Technical Integration

1. MES distributed the Draft Year 8 Site Monitoring Plan for review by the Principal Investigator Team.
2. MES incorporated PI Team comments into the Year 8 Site Monitoring Plan and finalized the document.
3. MES submitted the Year 8 Site Monitoring Plan to MDE on September 30th.
4. MES coordinated studies and principal investigators to maximize efficiencies and exchange information during the Year 7 study period.

5. MES communicated with principal investigators as necessary to review findings of the studies and to coordinate activities.
6. MES provided overall program QA/QC to ensure that project elements met stated technical objectives.

F. Project Management

1. MES coordinated with MGS and MDE for submittal of project status reports.
2. MES prepared an agenda and scheduled a Principal Investigator Team meeting for October 5, 2005.
3. MES tracked and processed invoices and coordinated with MGS and MDE on final invoice submittals for the end of the Federal fiscal year (FFY).
4. MES submitted invoice details and a cost tracking spreadsheet to CENAP to begin FFY 05 reconciliation.
5. MES monitored progress on all work tasks and informed the clients on its status.
6. MES submitted a monthly status report for the month of August on September 15, 2005 to MPA and CENAP.
7. MES submitted a monthly financial report to MPA for the month of August on September 15, 2005.

G. Turbidity Plume Monitoring

1. Turbidity plume monitoring is conducted only when placed materials exceed the authorized elevation of -14 MLLW and dragging is determined necessary. The elevation at Site 92 will be evaluated after all placement has ended for Year 8 and the Study Team will determine whether dragging is necessary and thus whether Turbidity Plume Monitoring is necessary.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Poplar Island Site Development

Task #, Name: _____

Project Name: Poplar Island Site Development

Project Manager: David Bibo

Assignee(s) (Consultants/Contractors): MES

Contract Period: 07/01/05-06/30/06

Budget Line # 770

PIN #: 51030040

Contract #: 502813

Task #, Name:

Project Budget (Total): \$4,720,000
September Invoice : \$327,843.40
Year To Date: \$1,029,639.76

Revisions:

Revision #:

Complete (Total): 21.8%

% Expended 25.42%

% Complete (Crnt FY):

Var/Balance:

% Expended (Crnt FY):

Var/Balance:

25%

75%

25.7%

74.3%

Project Goal(s): Operation of the project efficiently, safely, and in compliance with the regulatory requirements. To manage the material placement for maximum capacity while meeting the objectives of the project. Development of viable environmental habitat.

Project Objectives:

- **Environmental Monitoring, meeting the discharge criteria.**
- **Prepare and maintain the infrastructure for long term sustained operations.**
- **Conduct operations in compliance with environmental concerns.**
- **Recover sand for future operations.**
- **Develop the wetlands into a viable habitat.**
- **Conduct tours and site visits to tell the Poplar Island success story.**

Project Status - Issues/Solutions (both required): The current focus of the facility is to dewater the cells that received inflow during the 04/05-inflow season and proceed with crust management activities in those cells. Also to monitor erosion throughout the island and repair dikes and roads as needed.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Poplar Island Site Development

Task #, Name: _____

Crust Management and Cell Drainage:

- There were a total of 6,500 linear feet of perimeter trenches excavated during September.
- There were a total of 14,400 linear feet of interior trenches excavated during September.
- The total linear feet of trenches excavated to date are 124,478.
- MES began excavating a center trench in cell 3D. This trench travels the entire length of the cell in an east/west direction. This trench will help with surface drainage and it is also the beginning of the Cell's main 3rd order channel.
- A one-acre plot was tilled in the northwest corner of cell 1D as an experiment to increase consolidation.
- Crust management is 87% completed. This estimate is based on an 8-month duration.

Cell 3D:

- MES continues to monitor the tidal exchange in cell 3D.
- No significant slope erosion noted this month.
- Environmental Concern (E.C.) conducted planting of woody shrubs on the habitat island and they continue to monitor plant growth throughout the cell.
- MES has taken over the responsibilities of watering the habitat island from E.C. as of 9/21/05. Watering occurs daily as necessary.

Cell 5:

- MES noticed no further settlement in the section that failed in late July. Final grades held through September 2005.
- Dredge material was excavated from Cell 2 and placed along the western slopes of Cell 5 as erosion protection.
- The USACE directed MES to remove the habitat islands in cell 5A. MES removed and stockpiled 12,090 cy from the nesting Islands during the month of September.
- Bulldozers continued to flatten bottom grades, mine sand and reshape interior slopes in cells 5A/5B.

Land base:

- No substantial activity during the month of September.

Cell 4DX:

- MES has taken over the responsibilities of watering the Grasses and shrubs planted by E.C. during the 3rd week of July. MES began watering these plants on 9/21/05. Watering occurs daily as necessary.

Coaches Island:

- The Contractor began Planting vegetation on September 6, 2005 and was completed on September 8, 2005.
- An additional 20 woody plants were placed on the upland section of the beach and 1000 additional spartina alterniflora were planted along the shore line at no additional cost to MES/MPA.
- Additional seeding of the high bank area was scheduled for completion in September. The contractor's boat carrying the hydro seeder sank in route to Coaches Island on September 29, 2005.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Poplar Island Site Development

Task #, Name: _____

- Bank seeding has been rescheduled for the week of October 3, 2005.

Additional Highlights For September 2005:

- MES has selected a low bidder to have permanent electrical service installed throughout the new maintenance building.
- Minor dike and roadway erosion was repaired throughout the Island during the month of September.
- The dikes at cells 3B, 3A and 4DX were raised and fortified to an elevation of 6 feet.

Roadway Repairs:

- Roadway repairs are scheduled to commence after the initiation of inflow when manpower and equipment will be available for this work.
- The cost of CR-6 under the current contract with Langenfelder is \$19.22/ton. It is estimated that 6000 tons of CR-6 will be needed bringing material costs to \$115,320.
- The estimated total cost of the project is \$212,098.
- Delivery of the CR-6 scheduled for the week of September 26, 2005 has been delayed because of equipment problems with Langenfelder. MES is awaiting a new delivery date.

Operations Trailers on Poplar Island:

- Plans are being finalized to move the trailer compound to a new location east of the proposed septic system. This move is in anticipation of the Cell 6 closure and dike raising.
- A new layout plan has been prepared. Utilities relocations are necessary before this move can take place. Necessary repairs to improve the reliability, safety And efficiency of the electrical system are being investigated as part of this relocation.
- MES is coordinating the installation/construction of the new septic field.

Marine Safety Review: A marine safety review of Poplar, HMI and Cox Creek is underway. The inspection and related training activities are being performed by individual site. The final the report will be shared with MPA when it is available.

Signature/Date: David Belo 10/25/05
(Project Manager)

Project Status Report Form*Prepared by***Harbor Development**Project Name: Hart-Miller Island DMCF

Task #, Name: _____

Project Name: Hart-Miller Island DMCF**Project Manager: David Bibo****Assignee(s) (Consultants/Contractors): MES****Contract Period: 07/01/05 – 06/30/06****Budget Line #810****PIN #:500200 40****Contract #: 384002A****Task #, Name:****Project Budget (Total): \$3,716,000****Revisions:****Revision #:****September Invoice: \$260,863.80****Year To Date: \$749,620.54****% Complete (Total): 20.2%****% Expended (Total): 20.2%****% Complete (Crnt FY): Var/Balance:****% Expended (Crnt FY): Var/Balance:****25%****75%****20.2%****79.8%**

Project Goal(s): Operation of the containment facility efficiently, safely, and in compliance with the discharge permit and regulatory requirements. To place the maximum amount of dredged material in the facility prior to the closure date.

Project Objectives:

- Operations of DMCF
- Complete Construction of and dedicate the South Cell Restoration Project
- HMI Well Monitoring Study, ensuring no migration of material is taking place
- Environmental Monitoring, meeting the discharge criteria
- Manage the area with 100-acre maximum pond size during inflow
- Development of a Filling Plan to maximize utilization of the North Cell
- Development of a closure plan for the North Cell

Project Status - Issues/Solutions (both required):

- **Temporary Berm Construction:** Current focus is dewatering and material recovery for the temporary berm construction which is approximately 92% complete. Placement of material in September has progressed as planned but the temporary loss of an end dump truck has occasionally slowed progress somewhat. A rental truck is still in use pending insurance settlement and receipt of a replacement for the articulated dump truck involved in the accident.
- **Spillways and Discharge:** The inspection staff is now on daylight operation for water discharge from the North cell due to inflow from Mclean Contracting. (Baltimore County project- 40,000 CY). There has been little or no discharge from the North cell due to the very small amount of inflow from Mclean Contracting. GLDD is due to mobilize to HMI on or about 10/4/05 and to start pumping into the site in

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island DMCF

Task #, Name: _____

late October. Preparations for their arrival are underway. The lighting at the South Unloader pier has been partially repaired and two new light fixtures are on order and expected to be installed prior to the start of inflow.

- **South Cell:**

- Geo Con has completed almost all tasks and they have demobilized. The USACE is preparing a punch list for items that need to be corrected, prior to closing out the contract. Punch list items include:
 - Ground cover did not initially prevent erosion and some washouts have occurred in the area of the footpath. Some repairs will be needed. MES will be making erosion repairs along the foot path as this is not part of the Corps of Engineers contract warranty.
 - The light poles were completed by Best Electric on 7/13/05.
 - Best Electrical has completed the installation of surge protectors on the pump house equipment.
 - MES awarded the Spillway 3 reconstruction contract to Strum Engineering on May 2. Strum is now complete. MES is developed a punch list of items for the contractor.
 - HMI staff continues to monitor the water level in the cell. Water was added to the cell this month to maintain the required elevation.

- **South Cell Spillway** – Work is now complete on contract repairs for the South Cell Spillway. Punch list items have been completed.
- **Capital Equipment & Other Items:** There are two pieces of rental equipment on site - a dozer and a dump truck along with a short reach excavator on loan from Poplar Island.
- **2005 Inflow Planning:** MPA, MES and GBA are working closely on detailed plans to manage, control, gather data and analyze 2005 inflow operations to insure that maximum utilization is made of the remaining capacity in the Hart-Miller Island DMCF. The same group is also looking to capture lessons learned for application at other DMCF's. Scheduled inflow operations include Great Lakes dredging of South Locust Point for MPA and Weeks dredging of the Baltimore Harbor Channels for the Corps of Engineers.
- **Oil Operation Permit:** An application was submitted to MDE for an Oil Operations permit for the HMI facility.

Date: 10.25.05

Project Status Report Form

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Harbor Development

Project Name: Hart-Miller Island DMCF

Task #, Name: _____

- **Marine Safety Review:** A marine safety review of HMI, Poplar Island and Cox Creek is underway. The inspection and related training activities are being performed by individual site. The final report will be shared with MPA when it is available.

Signature/Date: David Bilro 10 25 05
(Project Manager)

Date: 10/25/05

Project Status Report Form
prepared by
Harbor Development

Project Name: Site 92 Comprehensive Monitoring

MPA Project Manager: Dave Bibo

MES Project Manager: Elizabeth Habic

Assignee(s) (Consultants/Contractors):

MES
MDE
MGS

Contract Period:

05/1/98 – 06/30/06

Budget Line #

PIN #:

Contract #:

Task #, Name:

975

521100-40

599910

Project Budget (Total):

\$1,126,259.11 (years 1-7)

Revisions:

Revision #:

% Complete (Total):

Year 1 & Year 2: 100%
Year 3 & Year 4: 100%
Year 5 & Year 6: 100%
Year 7: 65%
Year 8: 10%

% Expended (Total):

63.0% (\$709,135.12 through September 2005)

% Complete (FY 05):

FY 05 Budget: \$118,680.93
(FY05 budget is based on FFY05 budget of \$237,361.86
split 50/50 with CENAP
for the period of 10/1/04 – 9/30/05)

% Expended (FFY 05 Funds):

79.9%/\$94,598.57

Var/Balance:

20.1%/\$24,082.36

Expended during (FY 06):

Total: \$18,062.13

Var/Balance:

Project Goal(s): Management of site monitoring activities at Site 92

Project Objectives: Conduct management activities of site monitoring activities at Site 92

Project Status - Issues/Solutions (both required):

September:

See attached status report

October:

MES will prepare for and facilitate Contractor/Team and PI Team meetings at Chesapeake City on October 5th.
MES will distribute draft and final meeting summaries for the October 5th Contractor/Team and PI Team meetings.
MES will prepare for and facilitate Contractor/Team meeting at Chesapeake City on October 26th.
MES will track scow placements as they are received from CENAP and distribute scow placement figures biweekly.
MES will coordinate PI Team activities during Year 8 Material Placement.

Date: 10/14/05

Project Status Report Form
prepared by
Harbor Development

Project Name: Site 92 Comprehensive Monitoring

Task #, Name: _____

Project Status - Issues/Solutions (both required):

MES will update MPA regarding the potential dissolution of MGS and how this might affect the Site 92 work.

PROJECT INFORMATION FOR YEAR 8 OF PLACEMENT

Amount of Contract: \$2,960,394.00

Amount of Dredged Material:
IBD Survey – 361,250 CY

Amount of Material Dredged: 107,639 cy (contractor estimate as of 10/10/05)
Amount of Material Remaining To Be Dredged: unknown until final survey

Advertisement Date: July 11, 2005
Estimated Time To Complete: 107 days
NTP Issued: September 30, 2005
Weather Days: None as of 10/10/05
Completion Date: mid-January

Signature/Date: David Belis 10/25/05
(Project Manager)

*** For Internal Use Only ***

POPLAR ISLAND ENVIRONMENTAL RESTORATION PROJECT
Environmental Monitoring Task Update
September 2005

All tasks included in this update (except where noted) are funded from the approved FY06 Poplar Island Environmental Restoration Project Operations and Monitoring Budget. Costs associated with specific Poplar monitoring tasks are tracked separately upon requested.

This update does not include MES activities associated with regular operations and crust management environmental monitoring.

Algae Monitoring

Algae monitoring began again in April 2005 and three sets of Poplar algae samples were collected this month. Several samples had high levels of *Anabaenopsis milleri*, a blue-green filament that has been found to be toxic. June samples were sent out for further toxicity analysis, but the results have not yet been received.

MES Tasks for Reporting Period:

- Collected 3 sets of samples and delivered them to DNR lab for analysis.
- Continued updating the 2005 algae spreadsheet.

Future: Algae monitoring will continue until the end of October. The algae sampling spreadsheets and graphs will be updated and emailed out to the algae group periodically. If any species of concern are found in the samples, the project team will continue to be notified and proper precautions will be taken at the site.

Volatile Solids Study

Update: MES has almost completed the draft report on the volatile solids study. The report includes MDE's recommendations on interpretation of the data to assist in developing more realistic discharge guidelines based only on the sedimentological component of the total suspended solid analysis. MES presented the preliminary findings of this report to the Working Group on May 24th.

MES Tasks for Reporting Period:

- Finalize draft report.

Future: MES will finalize the data spreadsheets and report following-upon guidance received by MDE, and send the report to MPA and CENAB for their review.

**Habitat Development Framework/
Adaptive Management Plan (EPATS Task 46)**

Update - Habitat Development Framework (HDF): MES finalized the 2005 version of the HDF and distributed it to the Working Group at the May meeting. As the 2004 monitoring and habitat development studies are received, they will be reviewed and recommendations will be compiled for incorporation into the 2006 version.

Update - Adaptive Management Plan (AMP): MES continues to manage the AMP. Under the EPATS Agreement (Task 46) and the ERP Agreement (Task 36), progress on this task is reported separately.

Future: MES will continue to update the HDF and provide support to the Adaptive Management Team.

Cell 4DX Monitoring (EPATS Task 40)

Update: Sampling under the 2004 Cell 4DX Monitoring Plan continued until the end of October. MES is finalizing the 2004 Cell 4DX Report. At the February 2005 HSG meeting, the group agreed that monitoring of Cell 4DX did not need to be conducted in 2005, unless any issues with erosion, algae, fish or bird kills is noted. This task will be removed from the October 2005 progress report.

MES Tasks for Reporting Period:

- Finalized the 2004 Cell 4DX Report.

Working Group (WG) Coordination

Update: MES has been providing all of the planning, coordination, handouts and meeting summaries, for the bi-annual working group and sub-group meetings. MES has also been drafting the monthly WG updates, as requested by CENAB and MPA. A Monitoring Sub-group meeting was held on September 13th.

MES Tasks for Reporting Period:

- Development of the August WG update.
- Distribution of the July WG update.
- Coordinated and facilitated the Monitoring Subgroup (MSG) meeting.
- Drafted and distributed MSG meeting summary.
- Made changes to the Framework Monitoring Schedule.
- Started updating the Framework Monitoring Document.

Future: MES will continue to provide monthly WG updates (for distribution by the Corps). MES will distribute the Framework Monitoring Schedule and finalize the updated Framework Monitoring Document. There will be a WG meeting scheduled for November.

Poplar Exterior/Framework Monitoring

Update: MES has completed the contracting with EA Engineering to perform the 2005 monitoring for sediment, water and benthic monitoring. MES has also coordinated with the appropriate laboratories and the Maryland Geological Survey (MGS) for analysis of the sediment, water and tissue samples for the 2005 exterior monitoring event. Furthermore, MES continues to manage the contractor performing 2005 faunal monitoring per the monitoring framework plan, and assisting the Corps with the management of their exterior monitoring contractors (NOAA, USFWS, USGS-BRD).

MES began contacting the framework monitoring researchers to determine when the 2004 draft reports will be submitted for review. Based on the schedule, reports were due to MES by 8/30/05. NOAA and Ohio University draft reports were received in late September. No update from USFWS.

MES Tasks for Reporting Period:

- Contract management for exterior monitoring (contracts managed by MES).
- Coordination with Corps for 2005 exterior monitoring studies.
- Coordination with Corps contractors regarding 2004 reports.

Future: MES will continue to manage the appropriate contracts for the 2005 monitoring tasks. EA will perform the benthic community and tissue monitoring in the fall. MES will continue to coordinate with the framework monitoring researchers regarding their 2004 reports. MES will begin work on the 2004 Annual Report, which will be finalized by January 2006.

Cell 3D Monitoring

Update: Cell 3D was open to tidal flow on March 14th. A flow meter was installed at the end of August; all data received from this meter will be forwarded to the Corps with the tide gauge data.

Starting in August, the UMCES Cell 3D work will be submitted under a separate progress report for EPATS Task 59.

MES Tasks for Reporting Period:

- Continued working on software for flow meter.
- Downloaded data from the tide gauges on a weekly basis and sent to CENAB.

Future: MES will continue to implement the Cell 3D Monitoring Plan. MES will continue to attend Cell 3D planting progress meetings and will have flow meters installed. Data downloaded from the tidal gauges and flow meters will be forwarded to the Corps on a regular basis.

Vegetation Monitoring/Control

Update: MES has begun to spot spray *Phragmites* stands on the site. This will continue through October. Additionally, MES requested permission, through MPA, to spray *Phragmites* on Coaches and Jefferson Island in the fall. Permission from the Coaches Island owner was received; MES has not received any permission to spray Jefferson Island.

MES has developed and began implementing the Nesting Island Monitoring Plan to determine if the reconstruction of the 2 nesting island in Cell 1B was successful in controlling vegetation and attracting nesting birds.

MES Tasks for Reporting Period:

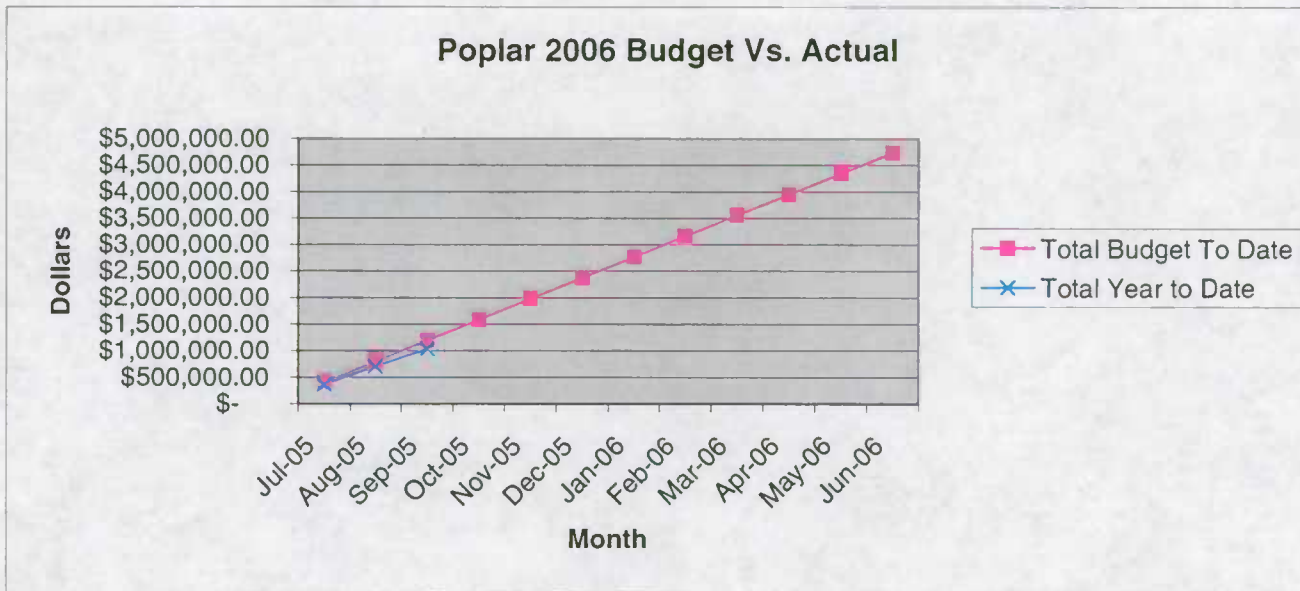
- Continue spot spraying *Phragmites* stands on site.
- Continued implementation of Nesting Island Monitoring Plan.

Future: MES will continue to spot spray *Phragmites* around the site and prepare to spray Coaches and Jefferson Islands this fall. MES will continue to implement the Nesting Island Monitoring Plan and will prepare a short report on the findings of this monitoring in December.

Other

- MES completed an Oil Operations Permit Application and submitted it to MDE.

Poplar Site Development 2006 Budget



Poplar Site Development 2006 Budget

Poplar Site Development

**MARYLAND PORT ADMINISTRATION AND MES
MES CLIENT CONTRACT #502813, PIN No. 51030040, MES Contract No. 02-07-20**

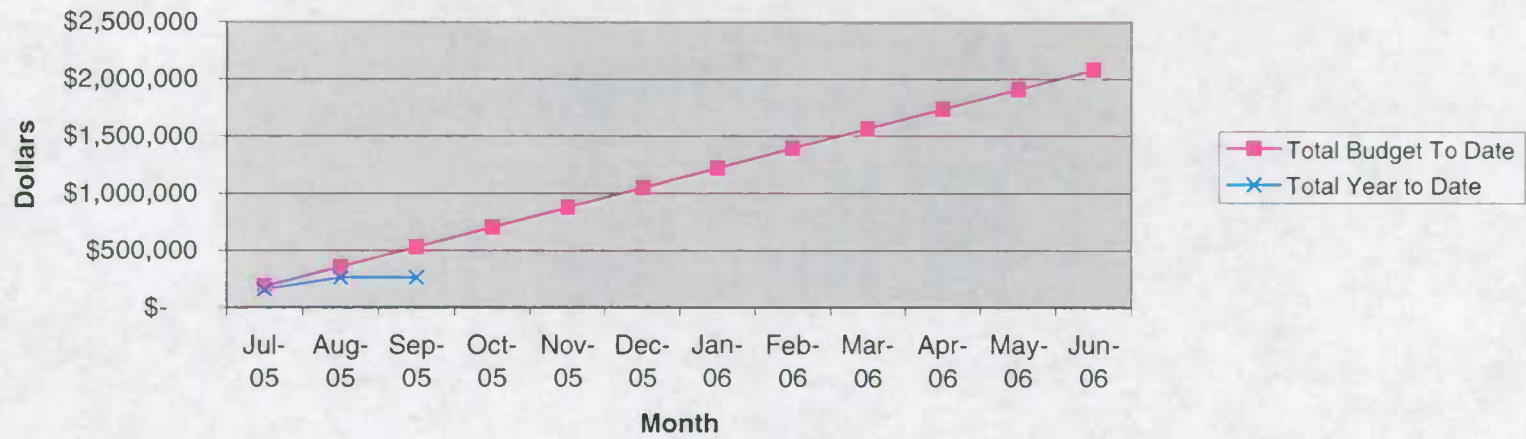
Total Contract Amount \$ 4,720,000.00 Remaining \$ 3,690,360.30

Prior Fiscal Years FY 02 \$ 4,471,535.00
 FY 03 \$ 6,528,383.00
 FY 04 \$ 3,980,057.00
 FY 05 \$ 4,755,291.00

| | Budget | Total Budget To Date | Invoice Amount | Total Year to Date | Actual % Expended | Time Expended |
|--------------|---------------|-------------------------|----------------|--------------------|----------------------|------------------|
| Jul-05 | \$ 393,333.33 | \$ 393,333.33 | \$ 360,115.63 | \$ 360,115.63 | 7.63% | 8.33% |
| August-05 | \$ 393,333.33 | \$ 786,666.66 | \$ 341,680.73 | \$ 701,796.36 | 15% | 17% |
| September-05 | \$ 393,333.33 | \$ 1,180,000.00 | \$ 327,843.40 | \$ 1,029,639.70 | 21.80% | 25% |
| October-05 | \$ 393,333.33 | \$ 1,573,333.33 | | | | |
| November-05 | \$ 393,333.33 | \$ 1,966,666.66 | | | | |
| December-05 | \$ 393,333.33 | \$ 2,360,000.00 | | | | |
| January-06 | \$ 393,333.33 | \$ 2,753,333.33 | | | | |
| February-06 | \$ 393,333.33 | \$ 3,146,666.66 | | | | |
| March-06 | \$ 393,333.33 | \$ 3,540,000.00 | | | | |
| April-06 | \$ 393,333.33 | \$ 3,933,333.33 | | | | |
| May-06 | \$ 393,333.33 | \$ 4,326,666.66 | | | | |
| June-06 | \$ 393,333.33 | \$ 4,720,000.00 | | | | |

Cox Creek 2006 Budget

Cox Creek Site Development 2006 Budget Vs. Actual



Cox Creek 2006 Budget

Cox Creek Site Development

MARYLAND PORT ADMINISTRATION AND MES

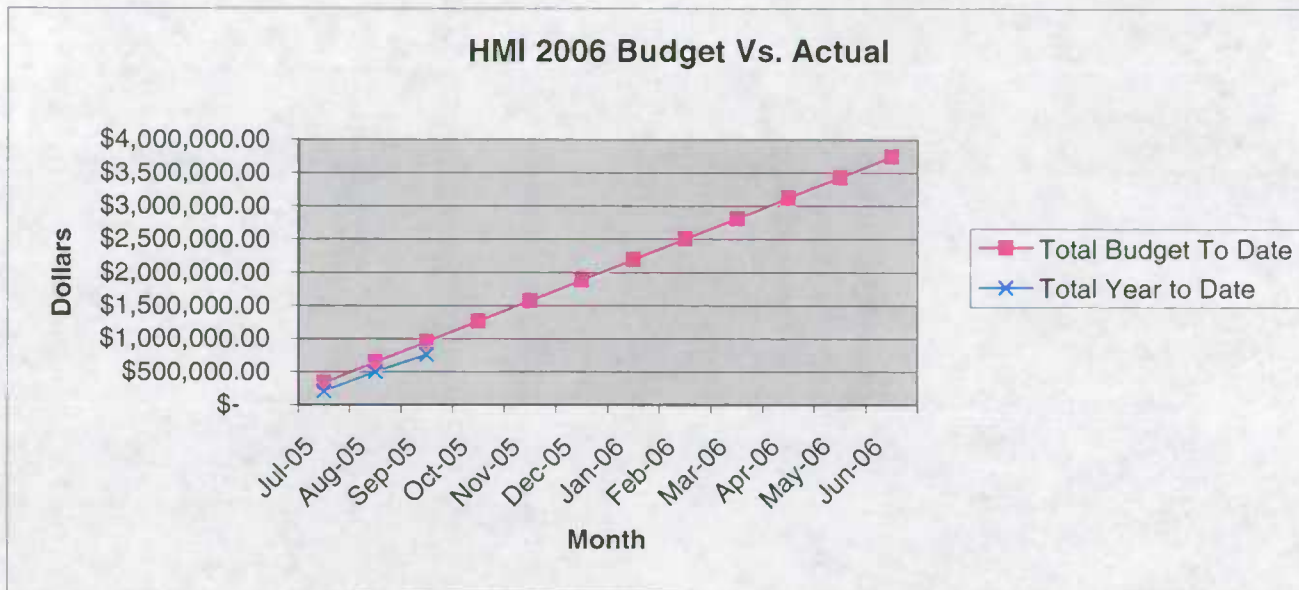
MES CLIENT CONTRACT #504907, PIN No. 53050040, MES Contract No. 03-07-32

| | | | | | |
|-----------------------|-------|----|--------------|-----------|----------------|
| Total Contract Amount | FY 06 | \$ | 2,066,000.00 | Remaining | \$1,809,427.99 |
| Prior Fiscal Years | FY 05 | \$ | 3,356,446.00 | | |
| | FY 04 | \$ | 1,500,000.00 | | |
| | FY 03 | \$ | 1,037,151.00 | | |

| | Budget | Total Budget To Date | Invoice Amount | Total Year to Date | Actual Expended | Time Expended |
|--------------|------------|-------------------------|----------------|--------------------|--------------------|------------------|
| Jul-05 | \$ 172,167 | \$ 172,167 | \$ 153,607.53 | \$ 153,607.53 | 7% | 8% |
| August-05 | \$ 172,167 | \$ 344,333 | \$ 101,834.72 | \$ 255,442.25 | 12% | 17% |
| September-05 | \$ 172,167 | \$ 516,500 | \$ 1,129.76 | \$ 256,572.01 | 12% | 25% |
| October-05 | \$ 172,167 | \$ 688,667 | | | | |
| November-05 | \$ 172,167 | \$ 860,833 | | | | |
| December-05 | \$ 172,167 | \$ 1,033,000 | | | | |
| January-06 | \$ 172,167 | \$ 1,205,167 | | | | |
| February-06 | \$ 172,167 | \$ 1,377,333 | | | | |
| March-06 | \$ 172,167 | \$ 1,549,500 | | | | |
| April-06 | \$ 172,167 | \$ 1,721,667 | | | | |
| May-06 | \$ 172,167 | \$ 1,893,833 | | | | |
| June-06 | \$ 172,167 | \$ 2,066,000 | | | | |

Note - September's invoice amount of \$1,129.76 is offset by a SWO credit adjustment for charges made to 1202 - Dike Raising in the amount of \$133,138.34. The credit is a result of moving these charges related to dike raising efforts up to 24' to the correct cost center, Cox Creek Construction 792-7884.

HMI 2006 Budget



HMI 2006 Budget

HMI O&M

MARYLAND PORT ADMINISTRATION AND MES
 MES CLIENT CONTRACT #500828, PIN No. 54020020, MES Contract No. 84-03-19

Total Contract Amount \$ 3,716,000.00 Remaining \$ 2,966,379.46

Prior Fiscal Years
 FY 05 \$ 2,652,911.00
 FY 04 \$ 2,197,738.00
 FY 03 \$ 2,762,569.00
 FY 02 \$ 4,669,333.00

| | Budget | Total Budget To Date | Invoice Amount | Total Year to Date | Actual % Expended | Time Expended |
|--------------|---------------|-------------------------|----------------|--------------------|----------------------|------------------|
| Jul-05 | \$ 309,666.67 | \$ 309,666.67 | \$ 197,506.31 | \$ 197,506.31 | 5.31% | 8.33% |
| August-05 | \$ 309,666.67 | \$ 619,333.34 | \$ 291,250.43 | \$ 488,756.74 | 13.15% | 17% |
| September-05 | \$ 309,666.67 | \$ 929,000.01 | \$ 260,863.80 | \$ 749,620.54 | 20.17% | 25% |
| October-05 | \$ 309,666.67 | \$ 1,238,666.68 | | | | |
| November-05 | \$ 309,666.67 | \$ 1,548,333.35 | | | | |
| December-05 | \$ 309,666.67 | \$ 1,858,000.02 | | | | |
| January-06 | \$ 309,666.67 | \$ 2,167,666.69 | | | | |
| February-06 | \$ 309,666.67 | \$ 2,477,333.36 | | | | |
| March-06 | \$ 309,666.67 | \$ 2,787,000.03 | | | | |
| April-06 | \$ 309,666.67 | \$ 3,096,666.70 | | | | |
| May-06 | \$ 309,666.67 | \$ 3,406,333.37 | | | | |
| June-06 | \$ 309,666.63 | \$ 3,716,000.00 | | | | |

HART-MILLER ISLAND DMCF
Environmental Monitoring Task Update
September 2005

All tasks included in this update (except where noted) are funded from the approved FY 06 Hart-Miller Island Operations and Monitoring Budget. Costs associated with specific HMI monitoring tasks are tracked separately upon request.

This update does not include MES activities associated with regular operations and crust management environmental monitoring.

Groundwater Study

Update: MES has reviewed the MGS groundwater study and forwarded the report to MPA for review and comment. Comments were sent back to MGS on August 19th, the final report is due to MES on September 30th. MES has also been working with MPA to develop a plan for the future of the groundwater monitoring well study at HMI. MPA directed MES to coordinate with MDE to scale back the groundwater monitoring program and abandon the "old" HMI groundwater wells that have been replaced by the wells installed for the 2002/2003 study. A meeting was held on July 26th with MDE, MGS, MES and MPA to discuss the future groundwater monitoring program.

MES Tasks for Reporting Period:

- Complete draft of new HMI groundwater well monitoring plan.
- Researched decommissioning process for old HMI groundwater wells.
- Coordinated with MGS for receipt of MGS final report.

Future: MES will continue to follow up with MDE regarding proper closure of "old" monitoring wells and develop and implement a groundwater-monitoring plan incorporating the new wells. The groundwater monitoring plan will be submitted to MPA for review, prior to submission to MDE, in October. Additionally, the MGS final report is expected to be received in early October and will be forwarded to MPA.

Vegetation (*Phragmites*) Monitoring

Update: The HMI aerial spray was awarded to Helicopter Applicators. The applicator is awaiting a waiver to be granted by the Transportation Security Administration (TSA) prior to coordinating the aerial spray. The aerial spray for *Phragmites* in the North and South Cells, along with the DNR marsh will occur by October 15th. The spray truck was delivered to HMI and has been used to apply Glypro to the *Phragmites* growing on the dike areas.

MES Tasks for Reporting Period:

- Glypro applied on western dike of the North Cell and also the south, east, and west, perimeters of the South Cell.
- Coordinated contracting and scheduling for the aerial spray.

Future: MES will also continue preparing for aerial spray of Glypro[®] in early October 2005. MES will conduct hand application of Glypro[®] in the South Cell uplands and on the dikes surrounding the North Cell in the fall. MES will receive MPA and MDA permission before spraying a broadleaf herbicide, other than Glypro[®], in the South Cell uplands and MES will develop a plan for controlling invasive plants such as pokeweed and mile-a-minute.

North Cell Closure / Sediment Sampling

Update: After each inflow season, MES collects sediment samples in the North Cell and provides the MPA with a summary of the results of the North Cell sediment analysis. MES HQ staff attended inflow-planning meetings with MPA and GBA on September 28th. MES continued to coordinate with GBA regarding inflow planning and meeting preparation.

MES Tasks for Reporting Period:

- Attended inflow planning meetings with MPA and GBA.

Future: MES will continue to assist the MPA and their consultants in preparing for the final years of inflow. The next set of North Cell sediment samples will be collected in 2006, after inflow is received.

Discharge Permit

Update: MES continues to plan for the upcoming studies required by the new discharge permit. MES has developed a scope of work for the required mixing zone study and EA Engineering submitted a proposal for this work. Contracting for this task was completed in September 2005. Per the permit requirements, MES prepared a nutrient reduction plan that was sent to MPA in June for review and then forwarded it to MDE. MES received a response from MDE on the plan. The MPA, MES and EA meet on September 15th to discuss the next steps. Under the EPATS agreement, these tasks are detailed in a separate progress report.

In August, HMI had non-compliance for the interim monthly average ammonia limit. MDE was informed and a Non-Compliance Report Form was filed with MDE on September 26, 2005.

MES Tasks for Reporting Period:

- Completed EPATS Task 61 contracting paperwork (will be reported under a separate EPATS progress report).
- Coordinated with MPA regarding MDE's response to the submitted nutrient reduction plan.
- Drafted and submitted non-compliance form for August monthly ammonia average.

Future: MES and EA will implement the mixing zone study in order to keep the interim limits for ammonia, copper and zinc that were assigned in the permit. A re-sample for a failed biomonitoring test will be scheduled after inflow resumes.

Algae Monitoring

Update: MES conducted two algae sampling sets on September 8th and 22nd. Samples will continue to be collected bi-weekly through October and analyzed by DNR.

MES Tasks for Reporting Period:

- Sampling was conducted at 4 sites during both sampling events due to a lack of water at the North Cell sampling site.
- The algae spreadsheet was updated.

Future: MES will continue to conduct bi-weekly algae sampling through October 2005. If anything of concern shows up in the analysis, MES will immediately notify MPA and MDE.

South Cell Vegetation/Soil Monitoring

Update: MES completed the tasks associated with the South Cell Vegetation/Soil Monitoring Plan. Sediment sampling was conducted in March and the remainder of the sediment sampling (additional infiltration monitoring) was completed in June when the vegetation surveys were conducted. The Final Consolidated Report for South Cell Soil and Vegetation was completed and attached as an appendix to the Final White Paper for Potential Closure Options for NC HMI-DMCF.

North Cell (NC) Demonstration Plots

Update: At the March 31, 2005 NCCT meeting, the team decided to wait to discuss the development of the NC demonstration plots until the results of the South Cell sediment and vegetation survey data was received and reviewed. The test plot area has been selected and bermed off from inflow material.

Future: MES will work with the NCCT to determine how and when the demonstration plots will be built.

Other:

- MES attended the HMI Citizens Oversight Committee meeting in September.
- The fall SAV survey was conducted around HMI on September 21st. MES will draft a report detailing the findings of the spring and fall SAV surveys and forward to the MPA upon completion.
- MES completed an Oil Operations Permit Application for HMI and submitted to MDE.

Project Status Report Form
Prepared by
Harbor Development

Project Name:
 EPATS Task 55: Swan Creek Tidal Monitoring

MPA Project Manager:
 Dave Bibo

(This project is included under MES Open Ended Consulting EPATs)

MES Project Manager:
 Melissa Slatnick

Assignee(s) (Consultants/Contractors):
 Maryland Environmental Service

Contract Period:
 03/07/05 – 10/31/05

Budget Line # **PIN #:**
 1085 54000010

Contract #: **Task #, Name:**
 500912 EPATS Task #55

Project Budget (Total):
 \$29,914.97

Revisions: **Revision #:**
 None None

% Complete (Total):

% Expended (Total):

75%

44%

% Complete (Crnt. FY): **% Var./Balance (Crnt. FY):**

% Expended (Crnt. FY): **% Var./Balance:**

50% 50%

28%/\$6,367 72%/\$16,635

Project Goal:

- To understand whether the single channel opening on the northern end of the mitigation site provides enough access for water level variation in the mitigation site to support the existing tidal wetland vegetation communities.

Project Objectives:

- To design a tidal flux monitoring plan.
- To obtain, install, and download three months of tide information within the wetland.
- To identify the tidal dynamics in the wetland, including tidal range and time for flood tide to progress from the inlet to the southern-most reach of the wetland, and estimate of the tidal prism and flushing characteristics of the wetland.

Project Status Report Form
Prepared by
Harbor Development

Project Status – Issues/Solutions (both required):

- **Issues**
 - None
- **Solutions**
 - None required.
- **MES Activities:**
 - MES prepared a progress report for the month of August.
 - MES reviewed and processed subcontractor and client invoices.
 - MES coordinated with M&N to ensure progress was on-going and the project remained on schedule.
- **Contractor (M&N / Biohabitats) Activities:**
 - Biohabitats completed monitoring of the tidal gauges, downloading data, and coordinated with M&N.
 - Data analysis of the downloaded data began and potential remedial efforts were discussed for inclusion in the report.
 - A draft report was begun to state findings and submit recommendations for remediation.
- **Future Activities:**
 - MES will process contractor invoices and develop the progress report for October.
 - A summary report with recommendations will be developed.

Total Contract Amount: \$ 29,915
Total September 2005 Invoice: \$1,133.98
Total Amount Invoiced as of 09/30/05: \$13,279.68

Signature/Date: David Belis 10 25 05
(Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:
Cell 6 Planning Services for the Poplar Island
Environmental Restoration Project

This task is included in the overall PIERP ERP
Contract

MPA Project Manager:
Dave Bibo

MES Project Manager:
Darren Fisher

Assignee(s) (Consultants/Contractors):
Maryland Environmental Service
GBA

Contract Period:

04/26/05 – 04/25/06

Budget Line #

PIN #:

1090 (new)

54020020

Contract #:

500828

Task #, Name:

ERP #35, PIERP

Project Budget (Total):

\$293,872

Revisions:

\$0

Revision #:

NA

% Complete (Total):

3%

% Expended (Total):

3% (based on Task 35 only)

% Complete (Crnt. FY): **% Var./Balance**
(Crnt. FY):

3%

% Expended (Crnt. FY):

3% (based on Task 35
only)

Project Goal(s):

Assist the MPA and USACE in the development of a plan for the closure of Cell 6 at Poplar Island.

Project Objectives:

- Provide joint planning team support.
- Participate in the Cell 6 closure and dike raising planning.
- Provide wetland and upland cell development support.
- Provide planning and management services.

Project Status:

MES Activities:

- Submitted proposal for ERP Task 35 to MPA on March 24, 2005.

Project Status Report Form
Prepared by
Harbor Development

- Received approval for task on April 7, 2005.
- Executed contract for GBA Engineering's support for task on April 26, 2005.
- Received from USACE the 65% complete drawings of the Cell 6 closure for review and comment.
- Reviewed USACE 65% complete drawings of the Cell 6 closure.
- Comments submitted to USACE.
- Attend meeting on September 29, 2005 at Poplar Island to discuss the 65% complete drawings of the Cell 6 closure.

Contractor (GBA) Activities:

- Attend Poplar Operations meetings.
- Attend Poplar inflow schedule meetings.
- Attend Poplar pre-bid and pre-con meetings for maintenance items and upcoming inflow season.
- Attend Poplar Cell 6 closure meeting.
- Review and comment on 65% complete drawings of the Cell 6 closure.

Future Activities:

- GBA will continue to attend Poplar Island operations, cell 6 closure, inflow, and construction meetings.
- USACE to incorporate comments submitted by GBA, MPA, and MES into cell 6 drawings.

Total Contract Amount (Task 35 only): \$293,872
Total for Task 35 in September 2005 Invoice: \$3,202
Total Amount Invoiced for Task 35 as of 09/30/05: \$9,891

Signature/Date: David Bibe 10/25/05
(Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:

Project Management Planning and Adaptive Management Support for the Poplar Island Environmental Restoration Project

MPA Project Manager:

Dave Bibo

MES Project Manager:

Melissa Slatnick

This task is included in the overall PIERP ERP Contract

Assignee(s) (Consultants/Contractors):

Maryland Environmental Service
EA Engineering

Contract Period:

08/02/05 – 10/02/06

Budget Line #

PIN #:

1090

54020020

Contract #:

500828

Task #, Name:

ERP #36, PIERP
PMP/AMP

Project Budget (Total):

\$170,995.71

Revisions:

\$0

Revision #:

NA

% Complete (Total):

7%

% Expended (Total):

1% (based on Task 36 only)

% Complete (Crnt. FY): **% Var./Balance (Crnt. FY):**

5%

% Expended (Crnt. FY):

1% (based on Task 36 only)

Project Goal(s):

Assist the MPA and USACE in optimizing the management of Poplar Island by formalizing the adaptive management techniques for the ecological restoration component of the project, and documenting the Poplar Island experience for application to future activities on-site and/or other similar projects.

Project Objectives:

- Provide an updated version of the Poplar Island Project Management Plan.
- Provide an updated version of the Poplar Island Adaptive Management Plan.
- Implement a task management database and tracking system.
- Utilize adaptive management concepts when working with the Poplar Island Working Group and Subgroups.

Project Status Report Form
Prepared by
Harbor Development

Project Status – Issues/Solutions (both required):

Issues

- None.

Solutions

- None required.

MES Activities: (note: all activities related to the PIERP website are included in EPATS Task 46)

- Completed August 2005 progress report.
- Attended 09/13/05 kick-off meeting with EA, MPA and CENAB to develop schedule for submission of revised Project Management Plan (PMP) and Adaptive Management Plan (AMP).
- Coordinated with EA regarding updates and needs for the revised PMP.
- Followed-up on action items from kick-off meeting, including: began reviewing and organizing photos for inclusion in updated PMP photo library, updated Monitoring Framework for inclusion in PMP.
- Continued to track habitat developments and monitoring results for inclusion in the 2006 version of the Habitat Development Framework (HDF).

Contractor (EA) Activities:

- Attended kick-off meeting on 09/13/05.
- Drafted a meeting summary and action items form meeting.
- Presented an adaptive management presentation for the Monitoring Subgroup Meeting in September.
- Attended a meeting on 09/26/05 with CENAB to work on updates to the PMP

Future Activities:

- EA will draft the revised Draft PMP 11/13/05.
- EA will draft the revised AMP 01/13/06
- MES will continue documenting adaptive management in the habitat development for the next HDF.

Total Contract Amount (Task 36 only): \$170,996

Total for Task 36 in September 2005 Invoice: \$1,352

Total Amount Invoiced for Task 36 as of 09/31/05: \$1,750

Signature/Date: David Bulbo 10.25.05
(Project Manager)

Date: October 25, 2005
For Period: 9/01/05 -9/30/05

Project Status Report Form
prepared by
Harbor Development

Project Name: EPATS TASK 2 – Technical Support

**Project Manager: MPA – Dave Bibo
MES – Tammy Banta**

Assignee(s) (Consultants/Contractors):
MES
General Physics

Contract Period: January 1999 – June 2007
Task Term: May 1999 – June 2007
Reporting Period: August 2005

| <u>Budget Line #</u> | <u>PIN #:</u> | <u>Contract #:</u> | <u>Task #, Name:</u> |
|-----------------------------|----------------------|---------------------------|-----------------------------|
| 1085 | 54000010 | 500912 | 0302 – Technical Support |

Project Budget (Total):
\$912,132

| <u>Revisions:</u> | <u>Revision #:</u> |
|--------------------------|---------------------------|
| \$ 100,000 added 8/00 | 1 |
| \$ 100,000 added 6/01 | 2 |
| \$ 100,000 added 10/01 | 3 |
| \$ 100,000 added 04/02 | 4 |
| \$ 200,000 added 09/02 | 5 |
| \$16,000 added 03/03 | 6 |
| \$200,000 added 06/05 | 7 |

% Complete (Total):
Ongoing – tasks assigned as needed by MPA

% Expended (Total):
80.31%

% Complete (Crnt FY): **Var/Balance:**

% Expended (Crnt FY06): **Var/Balance:**
\$46,231.77

Project Goal(s): To provide support to MPA for dredged material planning.

Project Objectives: To meet the general technical support needs of MPA for DMMP planning, innovative use projects, meeting facilitation, and project management.

Project Status - Issues/Solutions:

Report Period: September 1 through September 30, 2005

September 2005:

- MES continued support to the DMMP process by maintaining the BEWG list-serve and facilitating the September 6th BEWG meeting. MES prepared and distributed a draft meeting summary on September 29th and coordinated with Moffatt & Nichol Engineering to clarify text regarding their Masonville hydrodynamic modeling presentation. Preparations began for the October 4th BEWG meeting.
- MES managed the General Physics contract for State DMMP meeting summaries. MES coordinated with MPA to incorporate edits to the Management Committee meeting summary.
- MES continued to manage the MPA/MES/MGS Coastal Geology Services IGA for MPA.
- MES performed project management duties related to record keeping, review, processing and recording of invoices and production of the status report for the month of August.
- MES coordinated with MPA and began development of a new MOU with MPA to replace the existing EPATS agreement.
- MES submitted a request for subcontractor authorization for Tasks B-E for of the Public Involvement and Community Outreach to Environmental Projects & State DMMP Support RFP on September 1, 2005 to MPA. MPA authorization was received on September 6, 2005 for Tasks B-E.
- MES prepared a contract with Ecologix Group to cover Tasks B-E of the RFP. MES submitted a Board Item to award the contract to Ecologix Group. The Board Item was approved and the contract was sent to Ecologix on September 29, 2005. MES began preparation of a letter amendment to the Ecologix contract to add Task A to the contract.
- MES coordinated with Ecologix Group and MPA on proposal and scope development for Tasks A-E of the RFP and to determine what contract mechanism would be used to cover the tasks.
- MES staff attended an internal proposal development meeting on the Masonville construction project on September 6, 2005.
- MES began work on the Masonville services proposal.
- MES reviewed and edited Task 58 proposal on Cox Creek Innovative use. MES requested a cost estimate from GBA to cover additional tasks under this proposal. MPA contacted MES to put this proposal on hold. This task will be incorporated under the new MOU between MES and MPA that supercedes the EPATS agreement.
- MES prepared a task reallocation email and sent it to MPA on September 15, 2005 regarding the change in MES managers on MPA projects. MES sent a similar email to MES subcontractors on September 21, 2005.
- MES prepared for and attended a meeting on September 23, 2005 with MPA to discuss the potential dissolution of MGS and its impacts on current and future MPA workload.
- MES received approval and finalized Task 61 – DMCF Water Quality Evaluations proposal.
- MES finalized contracting for Task 57— Port of Baltimore Air Emissions Regulatory Compliance Technical Support task.
- MES continued work on developing the Task 58—Cox Creek Innovative Use scope of work, proposal, and revised budget. MPA added additional tasks that required additional scoping and costing. MES requested a proposal from a sub-contractor and then MPA requested

that MES put the proposal on hold. The proposal is being held for submittal under the new MOU with MPA.

Future Work Anticipated in October 2005:

- MES will continue to support the State DMMP process. MES will coordinate with MPA on items to be discussed at the next BEWG meeting scheduled for October 4. MES will facilitate the meeting, develop an agenda, and prepare a sign in sheet and meeting summary for this meeting.
- MES will continue to develop the Cox Creek Innovative Use scope of work, proposal, and budget that will be submitted under the new MOU with MPA for EPATS type services.

Invoiced for September: \$13,203
Invoiced to Date up to September 30, 2005: \$728,118
Remaining as of September 30, 2005: \$179,640

Signature/Date : David Buls 10 25 05
(Project Manager)

Signature

Project Status Report Form
Prepared By
Harbor Development

Project Name:
 MPA-MES-Maryland Geological Survey (MGS) 3-Way
 Coastal Geology Services IGA
(This project includes no billings by MES. All MES labor associated with this contract is billed through EPATs Task 2 or the cost center the services are associated with, through prior arrangement and with approval by MPA.)

MPA Project Manager:
 Dave Bibo

MES Task Manager
 Melissa Slatnick

Assignee(s) (Consultants/Contractors):
 Maryland Environmental Service
 Maryland Geological Survey

Contract Period:
 April 3, 1996 Through Dec 31, 2006

| | | | |
|----------------------|---------------|--------------------|---------------------------|
| Budget Line # | PIN #: | Contract #: | Task #, Name: |
| 1100 (new) | 54010510 | 596924 | MES / MGS Coastal Geology |

| | | |
|--------------------------------|-------------------|--------------------|
| Project Budget (Total): | Revisions: | Revision #: |
| \$300,000 (Original) | | |
| \$600,000 (Revised Total) | \$300,000 | 1 |
| \$900,000 (Revised Total) | \$300,000 | 2 |

| | |
|--|----------------------------|
| % Complete (Total): | % Expended (Total): |
| 70% (based on amount committed not invoiced) | Invoiced directly to MPA |

| | | | |
|-------------------------------|---------------------------|-----------------------------|---------------------------------|
| % Complete (Crnt. FY): | % Rem. (Crnt. FY): | Expended (Crnt. FY): | Balance: |
| NA | NA | Invoiced directly to MPA | \$629,604 committed to tasks. |
| | | | \$270,395 uncommitted to tasks. |

Project Goal(s): To provide coastal geology services to Port-related projects by the Maryland Geological Survey, with technical oversight by MES.

Project Objectives: To provide coastal geology services to the Dredged Material Management Program and Port related projects. To support environmental monitoring and documentation of MPA projects associated with Port activities, dredging projects, and environmental restoration projects and alternatives.

Project Status - Issues/Solutions (both required):

- Issues
 - None.

Solutions

Project Status Report Form
Prepared By
Harbor Development

- None required.
- MES Activities
 - Prepared the August progress report.
 - Submitted Invoice 00258 to MPA for Tasks 34, 37, and 38 on behalf of MGS.
 - MES met with MPA on September 23, 2005 to discuss the future of the MPA/MES/MGS 3-Way Agreement given the dissolution of MGS and re-organization into MDE and DNR. At this time, MPA has instructed MES to keep all scheduled MGS monitoring as planned until further notice from MPA.
- MGS Activities
 - Please see attached MGS September Activity Report.
- Future Activities
 - MES will continue to work with MPA and MGS during the transition of MGS personnel.

Signature/Date: David Bibo 10 25 05
(Project Manager)

Project Status Report Form
Prepared By
Harbor Development

Monthly Activity Report
September 2005

| <u>Task Number</u> | <u>Task Name</u> | <u>Activity</u> |
|--------------------|---|--|
| 21 | James Island Survey and Interpretation | No activity |
| 26 | James Island Acoustic Survey | No activity |
| 28 | Sparrows Point Acoustic Survey | No activity |
| 30 | HMI Anoxic Well Monitoring | No activity |
| 34 | Poplar Sediment Chemistry 02/03 | Invoice submitted 09/09/05, task completed. |
| 35 | DMMP Support | Jeff Halka and Bill Panageotou attended the BEWG meeting. Jeff Halka attended the Management and Executive Committee meetings and briefed the Management Committee on BEWG activities. |
| 36 | NOB 8-10 Resurvey | No activity. |
| 37 | Poplar Island-Isabel Oysters | Invoice submitted 09/09/05, task completed. |
| 38 | Poplar Island-Isabel Sediment Chemistry | Invoice submitted 09/09/05, task completed. |
| 39 | Poplar Island-Sediment Chemistry 2004 | No activity. |
| 40 | Poplar Island Tide Gauges | Rich Ortt and Steve VanRyswick switched a malfunctioning gauge with a replacement gauge. |
| 41 | Poplar Island-Sediment Chemistry 2005 | No activity. |

Date: September 30, 2005

Project Status Report Form
prepared by
Harbor Development

Project

Dredged Material Management Consulting - Dredging

Project Manager:

David Bibo

Assignee(s) (Consultants/Contractors):

Gahagan & Bryant Associates, Inc.

Contract Period:

September 2005

Budget Line #

1155

PIN #:

54100010

Contract #:

502820A

Task #, Name:

Task 12 Poplar Island Site
Operations – Lessons
Learned

Project Budget (Total):

\$80,000

Revisions:

Revision #:

% Complete (Total):

40%

% Expended (Total):

42.13%

% Complete (Crnt FY):

25%

Var/Balance:

Favorable/75%

**% Expended
(Crnt FY):**

3.94%

Var/Balance:

Favorable/96.06%

Project Goal(s)

GBA will review operational practices and procedures at Poplar Island upon request of the MPA and provide comments, recommendations and/or reports accordingly.

Project Objectives:

GBA will provide qualified staff to assist the MPA with the following subtasks

12.1) Cell 3D Lessons Learned Report

12.2) Construction Planning and Equipment Optimization

12.3) Cell 5 Deep Hole Wetland Development Plan (Change Order No. 1)

Project Status - Issues/Solutions (both required):

No Activity



(Project Manager)

October 27, 2005

(Date)

Project Status Report Form
prepared by
Harbor Development

Project

Dredged Material Management Consulting - Dredging

Project Manager:

David Bibo

Assignee(s) (Consultants/Contractors):

Gahagan & Bryant Associates, Inc.

Contract Period:

September 2005

Budget Line #

1155

PIN #:

54100010

Contract #:

502820A

Task #, Name:

Task 9 HMI Closure/Filling
Planning and Design

Project Budget (Total):

\$400,611

Revisions:

Revision #:

% Complete (Total):

35%

% Expended (Total):

36.73%

% Complete (Crnt FY):

30%

Var/Balance:

Favorable/70%

**% Expended
(Crnt FY):**

19.09%

Var/Balance:

Favorable/80.91%

Project Goal(s)

Hart Miller Island (HMI) will be closed for all placement of dredged material at the end of 2009 and final cap or cover material placement will begin at the end of 2007. GBA will participate in the planning and design for operations, placement and final filling, and closure for the HMI site.

Project Objectives:

GBA will provide qualified staff to assist the MPA with the following subtasks

- | | |
|---|--|
| 9.1) Operations/Placement Plans – Filling and Capacity Estimates | 9.4) Meetings and Site Visits |
| 9.2) Field Borings & Consolidation Estimates | 9.5) Construction Planning and Equipment Optimization |
| 9.3) Cap Closure Team | |

Analysis of potential inflow quantities underway. Projects and project quantities are updated as new information becomes available. Comparative analysis of interval survey data and capacity estimates being completed. Review of updated survey data and capacity analyses. Data analysis & report on consolidation of dredge inflow materials being prepared. Meetings with MES personnel conducted to coordinate inflow and operational plans. Review information and report data from MES opns.

Review plans and specifications for CENAB maintenance. Attend pre-bid mtg for same. Draft report by OAS on closure has been submitted for review containing GBA input.

David F. Bibo

(Project Manager)

October 27, 2005

(Date)

Date: September 30, 2005

Project Status Report Form
prepared by
Harbor Development

Project

Dredged Material Management Consulting - Dredging

Project Manager:

David Bibo

Assignee(s) (Consultants/Contractors):

Gahagan & Bryant Associates, Inc.

Contract Period:

September 2005

Budget Line #

1155

PIN #:

54100010

Contract #:

502820A

Task #, Name:

Task 10 Cox Creek
Operations & Filling
Planning & Design

Project Budget (Total):

\$118,183

Revisions:

Revision #:

% Complete (Total):

5%

% Expended (Total):

2.04%

% Complete (Crnt FY):

4%

Var/Balance:

Favorable/96%

**% Expended
(Crnt FY):**

4.81%

Var/Balance:

Favorable/95.19%

Project Goal(s)

Cox Creek Dredged Material Containment Facility will begin operations as early as the fall of 2005. GBA will participate in the planning and design for operations and placement for the Cox Creek site.

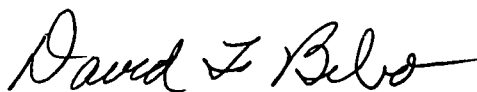
Project Objectives:

GBA will provide qualified staff to assist the MPA with the following subtasks

- 10.1)** Operations/Placement Plans – Filling and Capacity Estimates
10.2) Meetings and Site Visits
10.3) Construction Planning and Equipment Optimization

Project Status - Issues/Solutions (both required):

Review, redraft of Cox Creek Rules and Regs. Planning for inflow from Annapolis Harbor Project. Reviewed x-dike construction issues. Outline for filling plan in progress. General review of dike construction issues.



(Project Manager)

October 27, 2005

(Date)

Date: **September 27, 2005**
For Period: **8/01/05-8/31/05**

Project Status Report Form
prepared by
Harbor Development

Project Name: EPATS TASK 2 – Technical Support

**Project Manager: MPA – Dave Bibo
MES – Tammy Banta**

Assignee(s) (Consultants/Contractors):
MES
General Physics

Contract Period: January 1999 – June 2007

Task Term: May 1999 – June 2007

Reporting Period: August 2005

| <u>Budget Line #</u> | <u>PIN #:</u> | <u>Contract #:</u> | <u>Task #, Name:</u> |
|-----------------------------|----------------------|---------------------------|-----------------------------|
| 1085 | 54000010 | 500912 | 0302 – Technical Support |

Project Budget (Total):

\$912,132

Revisions:

\$ 100,000 added 8/00
\$ 100,000 added 6/01
\$ 100,000 added 10/01
\$ 100,000 added 04/02
\$ 200,000 added 09/02
\$16,000 added 03/03
\$200,000 added 06/05

Revision #:

1
2
3
4
5
6
7

% Complete (Total):

Ongoing – tasks assigned as needed by MPA

% Expended (Total):

78.3%

% Complete (Crnt FY): **Var/Balance:**

% Expended (Crnt FY06): \$33,027.89

Var/Balance:

Project Goal(s): To provide support to MPA for dredged material planning.

Project Objectives: To meet the general technical support needs of MPA for DMMP planning, innovative use projects, meeting facilitation, and project management.

Project Status - Issues/Solutions:

Report Period: August 1 through August 30, 2005

August 2005:

- MES continued support to the DMMP process by maintaining the BEWG list serve and facilitating the August 2nd BEWG meeting. MES prepared and distributed a draft meeting summary from the August 2nd BEWG meeting on August 23rd and began preparations for the September 6th BEWG meeting.
- MES managed the General Physics contract for State DMMP meeting summaries.
- MES continued to manage the MPA/MES/MGS Coastal Geology Services IGA for MPA.
- MES performed project management duties related to record keeping, review, processing and recording of invoices and production of the status report for the month of July.
- ✓ • MES prepared and reviewed MPA FY06 budgets and prepared a labor allocation spreadsheet to assess and distribute workload.
- MES coordinated with MPA and began development of a new MOU with MPA to replace the existing EPATS agreement.
- MES EDRD staff and Procurement staff reviewed proposals received on the Community Outreach RFP and held meetings to discuss the outcome of the review. MES approved recommendation of award of Tasks B-E to Ecologix Group and Tasks F-G to SRA International, Inc. on August 29, 2005. MES drafted a request for MPA approval for use of Ecologix Group on Tasks B-E for submittal to MPA on September 1, 2005. Once approval is received from MPA, MES will award the contracts on the tasks.
- MES requested additional information be submitted by one vendor for Task A of the Community Outreach RFP on August 29, 2005. MES will review the submitted information and determine which vendor to award Task A. MES will then obtain MPA approval for use of the recommended vendor for this task. Once approval is received from MPA, MES will award the contracts on the tasks.
- MES continued work on developing the Task 57— Port of Baltimore Air Emissions Regulatory Compliance Technical Support task. The scope of work, proposal, and budget were submitted to MPA on August 23rd and approved on August 26th. MES is currently working with the subcontractor to find an acceptable MBE subcontractor and to finalize contracting with the contractor.
- MES continued work on developing the Task 58—Cox Creek Innovative Use scope of work, proposal, and revised budget. MPA recently added additional tasks that require additional scoping and costing.
- MES sent the Task 18 Close out letter to MPA on August 8, 2005 and received approval to close this task. The remaining funds were reverted back to the EPATS general uncommitted funding total.
- MES submitted a proposal for EPATS Task 61—DMCF Water Quality Evaluations to MPA and received MPA approval of the task on August 31st.
- MES received MPA approval for EPATS Task 60--HMI North Cell Closure Support.

Future Work Anticipated in September 2005:

- MES will continue to support the State DMMP process. MES will coordinate with MPA on items to be discussed at the next BEWG meeting scheduled for September 6. MES will facilitate the meeting, develop an agenda, and prepare a sign in sheet and meeting summary for this meeting.

- MES will meet with MGS to discuss the MPA/MES/MGS three-way agreement. MES will also meet with MPA to discuss this agreement and MGS' future work on other projects since the agency is being dissolved.
- MES will receive the approved Task 61 – DMCF Water Quality Evaluations proposal.
- MES will continue to develop Task 58 – Cox Creek Innovative Use scope of work, proposal, and budget. MPA recently requested additional tasks and MES will develop scopes and costs for these tasks.
- MES will finalize the last steps in the RFP process to award Tasks B-E to Ecologix and Tasks F-G to SRA, International. MES will complete review of additional information submitted by one vendor on Task A and will make a recommendation to award on this task. MES will obtain MPA approval prior to contract award.

Invoiced for August: \$14,925.07
Invoiced to Date up to August 31, 2005: \$714,914.67
Remaining as of August 31, 2005: \$197,217.33

Project Manager David J. Belor 9.27.05
(Date)

Project Status Report Form
Prepared by
Harbor Development

Project Name:

MPA-MES-Maryland Geological Survey (MGS) 3-Way Coastal Geology Services IGA

(This project includes no billings by MES. All MES labor associated with this contract is billed through EPATs Task 2 or the cost center the services are associated with, through prior arrangement and with approval by MPA.)

MPA Project Manager:

Dave Bibo

MES Task Manager

Melissa Slatnick

Assignee(s) (Consultants/Contractors):

Maryland Environmental Service
 Maryland Geological Survey

Contract Period:

April 3, 1996 Through Dec 31, 2006

Budget Line #

PIN #:

Contract #:

Task #, Name:

1100 (new)

54010510

596924

MES MGS Coastal Geology

Project Budget (Total):

\$300,000 (Original)
 \$600,000 (Revised Total)
 \$900,000 (Revised Total)

Revisions:

\$300,000
 \$300,000

Revision #:

1
 2

Complete (Total):

69% (based on amount committed not invoiced)

% Expended (Total):

Invoiced directly to MPA

% Complete (Crnt. FY):

NA

% Rem. (Crnt. FY):

NA

Expended (Crnt. FY):

Invoiced directly to MPA

Balance:

\$618,813 committed to tasks.
 \$281,187 uncommitted to tasks.

Project Goal(s): To provide coastal geology services to Port-related projects by the Maryland Geological Survey, with technical oversight by MES.

Project Objectives: To provide coastal geology services to the Dredged Material Management Program and Port related projects. To support environmental monitoring and documentation of MPA projects associated with Port activities, dredging projects, and environmental restoration projects and alternatives.

Project Status - Issues/Solutions (both required):

• Issues

- None.

• Solutions

- None required.

MES Activities

Date: September 27, 2005

Project Status Report Form

Prepared by

Harbor Development

- Prepared the July progress report.
- MGS Activities
 - Please see attached MGS August Activity Report.
- Future Activities
 - MES will meet with MPA on September 12, 2005 to discuss the future of the MPA/MES/MGS 3-Way Agreement given the dissolution of MGS and re-organization into MDE and DNR.

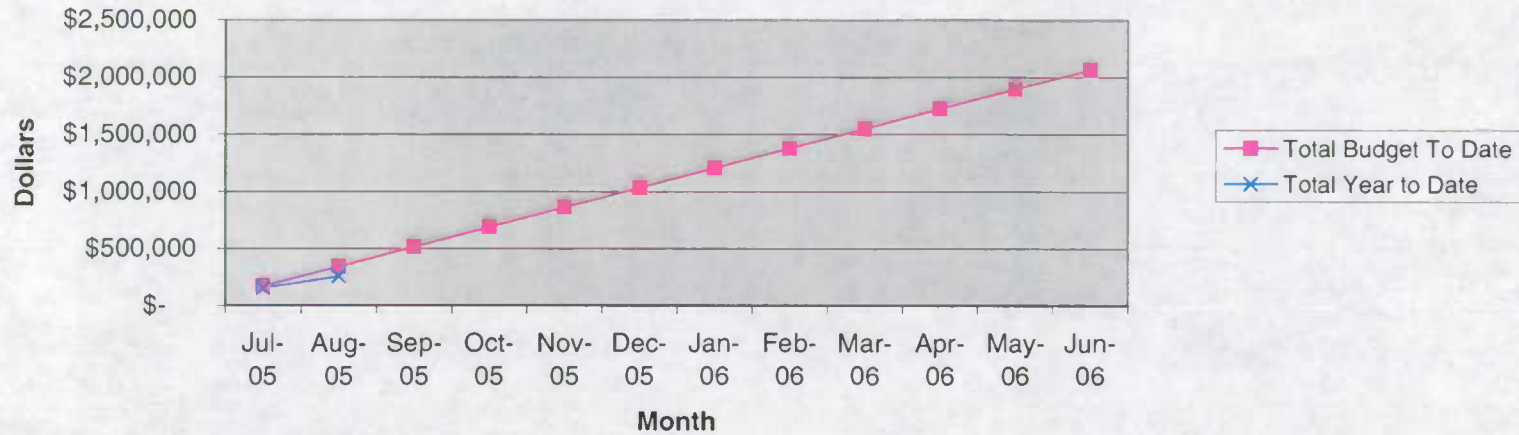
Project Manager David F. Bulro 09 27 05
(Date)

Project Status Report Form
Prepared by
Harbor Development

Monthly Activity Report
August 2005

| <u>Task Number</u> | <u>Task Name</u> | <u>Activity</u> |
|--------------------|---|---|
| 21 | James Island Survey and Interpretation | No activity. |
| 26 | James Island Acoustic Survey | No activity. |
| 28 | Sparrows Point Acoustic Survey | No activity. |
| 30 | HMI Anoxic Well Monitoring | No activity. |
| 34 | Poplar Sediment Chemistry 02/03 | No activity. |
| 35 | DMMP Support | Jeff Halka and Bill Panageotou attended BEWG meeting. |
| 36 | NOB 8-10 Resurvey | No activity. |
| 37 | Poplar Island-Isabel Oysters | No activity. |
| 38 | Poplar Island-Isabel Sediment Chemistry | No activity. |
| 39 | Poplar Island Sediment Chemistry 2004 | No activity. |
| 40 | Poplar Island Tide Gauges | Communicated with MES staff at Poplar to solve downloading problems with a gauge. |
| 41 | Poplar Island Sediment Chemistry 2005 | No activity. |

Cox Creek Site Development 2006 Budget Vs. Actual



Cox Creek 2006 Budget

Cox Creek Site Development

MARYLAND PORT ADMINISTRATION AND MES

MES CLIENT CONTRACT #504907, PIN No. 53050040, MES Contract No. 03-07-32

| | | | | | |
|-----------------------|-------|----|--------------|-----------|----------------|
| Total Contract Amount | FY 06 | \$ | 2,066,000.00 | Remaining | \$1,810,557.75 |
| Prior Fiscal Years | FY 05 | \$ | 3,356,446.00 | | |
| | FY 04 | \$ | 1,500,000.00 | | |
| | FY 03 | \$ | 1,037,151.00 | | |

| | Budget | Total Budget To Date | Invoice Amount | Total Year to Date | Actual Expended | Time Expended |
|--------------|------------|-------------------------|----------------|--------------------|--------------------|------------------|
| Jul-05 | \$ 172,167 | \$ 172,167 | \$ 153,607.53 | \$ 153,607.53 | 7% | 8% |
| August-05 | \$ 172,167 | \$ 344,333 | \$ 101,834.72 | \$ 255,442.25 | 12% | 17% |
| September-05 | \$ 172,167 | \$ 516,500 | | | | |
| October-05 | \$ 172,167 | \$ 688,667 | | | | |
| November-05 | \$ 172,167 | \$ 860,833 | | | | |
| December-05 | \$ 172,167 | \$ 1,033,000 | | | | |
| January-06 | \$ 172,167 | \$ 1,205,167 | | | | |
| February-06 | \$ 172,167 | \$ 1,377,333 | | | | |
| March-06 | \$ 172,167 | \$ 1,549,500 | | | | |
| April-06 | \$ 172,167 | \$ 1,721,667 | | | | |
| May-06 | \$ 172,167 | \$ 1,893,833 | | | | |
| June-06 | \$ 172,167 | \$ 2,066,000 | | | | |

Project Status Report Form
prepared by
Harbor Development

Project

Dredged Material Management Consulting - Dredging

Project Manager:

David Bibo

Assignee(s) (Consultants/Contractors):

Gahagan & Bryant Associates, Inc.

Contract Period:

August 2005

Budget Line #

1155

PIN #:

54100010

Contract #:

502820A

Task #, Name:

Task 9 HMI Closure/Filling
 Planning and Design

Project Budget (Total):

\$400,611

Revisions:

Revision #:

% Complete (Total):

40%

% Expended (Total):

36.93%

% Complete (Crnt FY):

20%

Var/Balance:

Favorable/80%

**% Expended
 (Crnt FY):**

19.09%

Var/Balance:

Favorable/80.91%

Project Goal(s)

Hart Miller Island (HMI) will be closed for all placement of dredged material at the end of 2009 and final cap or cover material placement will begin at the end of 2007. GBA will participate in the planning and design for operations, placement and final filling, and closure for the HMI site.

Project Objectives:

GBA will provide qualified staff to assist the MPA with the following subtasks

- | | |
|---|--|
| 9.1) Operations/Placement Plans – Filling and Capacity Estimates | 9.4) Meetings and Site Visits |
| 9.2) Field Borings & Consolidation Estimates | 9.5) Construction Planning and Equipment Optimization |
| 9.3) Cap Closure Team | |

Analysis of potential inflow quantities underway. Projects and project quantities are updated as new information becomes available. Comparative analysis of interval survey data and capacity estimates being completed. Review of updated survey data and capacity analyses. Data analysis & report on consolidation of dredge inflow materials being prepared. Meetings with MES personnel conducted to coordinate inflow and operational plans. Review information and report data from MES opns.

Review plans and specifications for CENAB maintenance. Attend pre-bid mtg for same. Draft report by OAS on closure has been submitted for review containing GBA input. Preparation of Stockpile report for potential Arundel material. Mtgs w/ consultants and others on 8/8,8/10,8/16,and 8/31.

David L. Bibo

(Project Manager)

September 27, 2005

(Date)

Date: September 27, 2005, 2005

Project Status Report Form
prepared by
Harbor Development

Project

Dredged Material Management Consulting - Dredging

Project Manager:

David Bibo

Assignee(s) (Consultants/Contractors):

Gahagan & Bryant Associates, Inc.

Contract Period:

August 2005

Budget Line #

1155

PIN #:

54100010

Contract #:

502820A

Task #, Name:

Task 10 Cox Creek
Operations & Filling
Planning & Design

Project Budget (Total):

\$118,183

Revisions:

Revision #:

% Complete (Total):

5%

% Expended (Total):

2.04%

% Complete (Crnt FY):

4%

Var/Balance:

Favorable/96%

**% Expended
(Crnt FY):**

4.81%

Var/Balance:

Favorable/95.19%

Project Goal(s)

Cox Creek Dredged Material Containment Facility will begin operations as early as the fall of 2005. GBA will participate in the planning and design for operations and placement for the Cox Creek site.

Project Objectives:

GBA will provide qualified staff to assist the MPA with the following subtasks

- 10.1)** Operations/Placement Plans – Filling and Capacity Estimates
10.2) Meetings and Site Visits
10.3) Construction Planning and Equipment Optimization

Project Status - Issues/Solutions (both required):

Review, redraft of Cox Creek Rules and Regs. Planning for inflow from Annapolis Harbor Project. Reviewed x-dike construction issues. Outline for filling plan in progress. General review of dike construction issues.

David F. Bibo

(Project Manager)

September 27, 2005

(Date)

Project Status Report Form
Prepared by
Harbor Development

Project Name:

Project Management Planning and Adaptive Management Support for the Poplar Island Environmental Restoration Project

MPA Project Manager:

Dave Bibo

MES Project Manager:

Melissa Slatnick

This task is included in the overall PIERP ERP Contract

Assignee(s) (Consultants/Contractors):

Maryland Environmental Service
 EA Engineering

Contract Period:

08/02/05 – 10/02/06

Budget Line #

PIN #:

1090 (new)

54020020

Contract #:

500828

Task #, Name:

ERP #36, PIERP
 PMP/AMP

Project Budget (Total):

\$170,995.71

Revisions:

\$0

Revision #:

NA

% Complete (Total):

5%

% Expended (Total):

0% (based on Task 36 only)

**% Complete (Crnt. FY): % Var./Balance
 (Crnt. FY):**

2%

% Expended (Crnt. FY):

0% (based on Task 36 only)

Project Goal(s):

Assist the MPA and USACE in optimizing the management of Poplar Island by formalizing the adaptive management techniques for the ecological restoration component of the project, and documenting the Poplar Island experience for application to future activities on-site and/or other similar projects.

Project Objectives:

- Provide an updated version of the Poplar Island Project Management Plan.
- Provide an updated version of the Poplar Island Adaptive Management Plan.
- Implement a task management database and tracking system.
- Utilize adaptive management concepts when working with the Poplar Island Working Group and Subgroups.

Project Status Report Form
Prepared by
Harbor Development

Project Status – Issues/Solutions (both required):

Issues

- As stated in the MES proposal, a schedule for completion of the revised Adaptive Management Plan and Project Management plan needs to be established with the subcontractor (EA).

Solutions

- MES, in coordination with MPA, will develop a schedule of deliverables during the planned task kick off meeting on September 13, 2005.

MES Activities:

- Submitted proposal for ERP Task 36 to MPA on July 14, 2005.
- Received approval for task on July 20, 2005.
- Executed contract for EA Engineering's support for task on August 2, 2005.
- Coordinated with EA to plan a kick off meeting (scheduled for September 13, 2005).
- Reviewed EA's presentation for the Poplar Island Monitoring Subgroup Meeting.
- Continued to track habitat developments and monitoring results for inclusion in the 2006 version of the Habitat Development Framework (HDF).

Contractor (EA) Activities:

- Completed contractual issues.
- Organized and prepared for kick-off meeting.
- Developed an adaptive management presentation for the Monitoring Subgroup Meeting in September.

Future Activities:

- Kick-off meeting planned for September 13, 2005.
- MES will develop a schedule for subcontractor deliverables.
- EA will draft the revised Project Management and Adaptive Management Plans.
- MES will continue documenting adaptive management in the habitat development for the next HDF.

Total Contract Amount (Task 36 only): \$170,996

Total for Task 36 in August 2005 Invoice: \$397.89

Total Amount Invoiced for Task 36 as of 08/31/05: \$398

Project Manager David J. Belo 09 27 05
(Date)

HART-MILLER ISLAND DMCF
Environmental Monitoring Task Update
August 2005

All tasks included in this update (except where noted) are funded from the approved FY 06 Hart-Miller Island Operations and Monitoring Budget. Costs associated with specific HMI monitoring tasks are tracked separately upon request.

This update does not include MES activities associated with regular operations and crust management environmental monitoring.

Groundwater Study

Update: MES has reviewed the MGS groundwater study and forwarded the report to MPA for review and comment. Comments were sent back to MGS on August 19th, the final report is due to MES on September 30th. MES has also been working with MPA to develop a plan for the future of the groundwater monitoring well study at HMI. MPA directed MES to coordinate with MDE to scale back the groundwater monitoring program and abandon the "old" HMI groundwater wells that have been replaced by the wells installed for the 2002/2003 study. A meeting was held on July 26th with MDE, MGS, MES and MPA to discuss the future groundwater monitoring program.

MES Tasks for Reporting Period:

- Began drafting new HMI groundwater well monitoring plan.
- Researched decommissioning process for old HMI groundwater wells.
- Sent comments on MGS Groundwater Report to MGS for review and incorporation in final report.

Future: MES will continue to follow up with MDE regarding proper closure of "old" monitoring wells and develop and implement a groundwater-monitoring plan incorporating the new wells.

Plan of Action (POA) to Control Low pH (EPATS Task 38)

Update: Additional subtasks were added to this task and it has evolved into the North Cell Closure Team (NCCT) support. Under the EPATS agreement, progress on this task is detailed in a separate progress report. Parts of the NCCT tasks include a sediment and vegetation monitoring effort in the South Cell. Per MPA, this effort is being performed under the HMI Operations and Monitoring budget and is detailed separately in this report.

Future: MES will continue to manage Task 38 and provide support to the NCCT. After August, the scope of work for Task 38 will be finished and work will continue under EPATS Task 60.

Vegetation (*Phragmites*) Monitoring

Update: Bids were received for the aerial spray of HMI. A recommendation to award was developed and the MES Procurement Department is currently working on the contracting paperwork. The aerial spray for *Phragmites* in the North and South Cells, along with the DNR marsh will occur by October 15th.

MES Tasks for Reporting Period:

- Took several photographs of south cell upland vegetation for Gwen Meyer (U.S.A.C.E.) to review vegetation status.

- Prepared recommendation to award after review of bids.

Future: MES will monitor progress of vegetation in the South Cell upland areas that were seeded. MES will also continue preparing for aerial spray of Glypro[®] in late September/early October 2005. MES will conduct hand application of Glypro[®] in the South Cell uplands and on the dikes surrounding the North Cell in the Fall. MES will receive MPA and MDA permission before spraying a broadleaf herbicide, other than Glypro[®], in the South Cell uplands and MES will develop a plan for controlling invasive plants such as pokeweed and mile-a-minute.

North Cell Closure / Sediment Sampling

Update: After each inflow season, MES collects sediment samples in the North Cell and provides the MPA with a summary of the results of the North Cell sediment analysis. Due to the limited amount of inflow that was received in 2005, a reduced number of samples were collected on April 28, 2005. MES staff attended a meeting with the Arundel Corporation at MPA and the NC Closure Team meeting on August 8th. MES HQ staff attended inflow-planning meetings with MPA and GBA on August 10th and August 31st and visited HMI to meet with operations staff regarding inflow planning and their suggestions on August 18th. MES HQ staff met with GBA on August 16th to review the discharge permit requirements and assist GBA with inflow planning. MES continued to coordinate with GBA regarding inflow planning and meeting preparation.

MES Tasks for Reporting Period:

- Completed North Cell sediment report and sampling results spreadsheet and forwarded to the MPA.
- Attended NCCT and Arundel Corporation meetings.
- Attended HMI discharge permit review meeting with GBA.
- Attended inflow planning meetings with MPA and GBA.

Future: MES will continue to assist the MPA and their consultants in preparing for the final years of inflow. The next set of North Cell sediment samples will be collected in 2006, after inflow is received.

Discharge Permit

Update: MES continues to plan for the upcoming studies required by the new discharge permit. MES has developed a scope of work for the required mixing zone study and EA Engineering submitted a proposal for this work. The entire proposal package was forwarded to the MPA in late August for approval. Per the permit requirements, MES prepared a nutrient reduction plan that was sent to MPA in June for review and then forwarded it to MDE. MES received a response from MDE on the plan and has requested a meeting with MPA to discuss the next steps.

MES Tasks for Reporting Period:

- Continued coordinating with sub-contractor for mixing zone proposal and cost estimate.
- Submitted proposal on permit studies (EPATS Task 61) to MPA for approval.
- Coordinated with MPA regarding MDE's response to the submitted nutrient reduction plan.
- Submitted Acute Toxicity Evaluation Report to MDE for biomonitoring samples collected July 6, 2005 at Outfall 007.

Future: Pending MPA approval, MES will complete contracting requirements with EA and the mixing zone study will be implemented in order to keep the interim limits for ammonia, copper and zinc that

were assigned in the permit. A re-sample for a failed biomonitoring test will be scheduled after inflow resumes.

Algae Monitoring

Update: MES conducted two algae sampling sets on August 11th and 25th. Samples will continue to be collected bi-weekly through October and analyzed by DNR.

MES Tasks for Reporting Period:

- Sampling was conducted at 5 sites during the first sampling event, but only 4 sites during the second event due to a lack of water at Spillway 007.
- The algae spreadsheet was updated.

Future: MES will continue to conduct bi-weekly algae sampling through October 2005. If anything of concern shows up in the analysis, MES will immediately notify MPA and MDE.

South Cell Vegetation/Soil Monitoring

Update: MES completed the tasks associated with the South Cell Vegetation/Soil Monitoring Plan. Sediment sampling was conducted in March and the remainder of the sediment sampling (additional infiltration monitoring) was completed in June when the vegetation surveys were conducted. The final consolidated report was distributed as an appendix to the White Paper in August.

MES Tasks for Reporting Period:

- Final Consolidated Report for South Cell Soil and Vegetation completed and attached as appendix to Final White Paper for Potential Closure Options for NC HMI-DMCF.

North Cell (NC) Demonstration Plots

Update: At the March 31, 2005 NCCT meeting, the team decided to wait to discuss the development of the NC demonstration plots until the results of the South Cell sediment and vegetation survey data was received and reviewed. The test plot area has been selected and bermed off from inflow material.

Future: MES will work with the NCCT to determine how and when the demonstration plots will be built.

Other:

- MES developed and submitted the April – June 2005 quarterly website update to the MPA.
- MES attended the HMI Citizens Oversight Committee meeting in August.

Date: as of 08/31/05

Project Status Report Form
prepared by
Harbor Development

Project Name:

Cox Creek Site Operations Assessment & Design

Project Manager:

Bill Lear

Assignee(s) (Consultants/Contractors):

MES

Contract Period:

Budget Line #

990

PIN #:

530000 40

Contract #:

596815

Task #, Name:

Project Budget (Total):

\$89,937 Original

\$1,443,892.22 w/ Revisions

Revisions:

\$ 4,200.00
\$349,110.00
\$105,214.85
\$172,999.95
\$483,078.00
\$ 14,351.00
\$225,000.00

Revision #:

1
2
3
4
5
6
7

% Complete (Total):

100%

% Expended (Total):

98%

% Complete (Crnt FY): Var/Balance:

100%

0

% Expended (Crnt FY): Var/Balance:

98%

2%

Project Goal(s):

Assisting MPA in preparing plans for the DMCF.

Project Objectives:

Developing a plan for activating the CDF and evaluation of geotechnical data to determine limits for dike raising and maximization of capacity.

Project Status - Issues/Solutions (both required):

Approximately \$10,000 left in Contract for permitting task. Moffatt & Nichol has open contract for permitting support but has performed no work on this Contract since Dec 2004. No change since last report.

Signature/Date: _____
(Project Manager)

Project Status Report Form
prepared by
Harbor Development

Project Name:

Cox Creek Spillways and Dike Raising to 24'

Project Manager:

Bill Lear

Assignee(s) (Consultants/Contractors):

MES/Cianbro/VSA

Contract Period:

VSA Dike Construction Contract – Contract extended to Dec 31, 2005

Cianbro Construction Contract – 110 working days from NTP issued 06/09/04- expired

Budget Line #

PIN #:

Contract #:

Task #, Name:

995

53010040

501820

Project Budget (Total):

\$13,679,363.00

Revisions:

0

Revision #:

% Complete (Total):

100%

% Expended (Total):

99%

% Complete (Crnt FY):

100%

Var/Balance:

0

% Expended (Crnt FY):

99%

Var/Balance:

1%

Project Goal(s):

Project Objectives:

Project Status - Issues/Solutions (both required):

Dikes should be at 24' by the beginning of September assuming continuation of good weather. VSA's Contract extended through Dec 31, 2005.

The spillway structures, pipe supports and piping are complete. All punch list items are complete except for replacing a small sections of grating on spillways 1 & 2. Last punch list item expected to be complete mid-September. All Contractor invoices paid. MES holding 5% retainage until punch list items are completed by Contractor.

Signature/Date: _____
(Project Manager)

Cox Creek DMCF
Task Update
August 2005

****All tasks included in this update (except where noted) are funded from the approved FY 05 and FY06 Cox Creek Operations and Monitoring Budget. Costs associated with specific Cox Creek monitoring tasks are not tracked separately, unless requested.****

Environmental Monitoring Tasks for Reporting Period:

Update: Monitoring activities at Cox Creek during the reporting period were based on the Cox Creek Discharge Permit. Since March 11, 2005, the spillways have been used for discharge and the Stormwater Monitoring Plan (2003) has been replaced with the State Discharge Permit.

With high copper and zinc concentrations occurring throughout the month, MES has been collecting additional daily grab samples and coordinating a 24-hour laboratory turn around time for results to assist in making operational decisions.

- Collection of 8-hour composite sample during stormwater discharge.
- Maintained and calibrated lab and field equipment daily.
- Monitored the pH of the pond in the North Cell daily.
- Transported daily and weekly samples to laboratory and compared the results with the discharge permit to maintain discharge.
- Hach kit tests were performed to test ammonia concentrations in the North Sump pond during discharge.
- Performed turbidity tests in the North Sump pond during discharge.
- Determined when and added lime to the North Cell pond based on pH levels and metal concentrations.
- Compiled data into weekly, monthly and quarterly reports for stormwater management and wetland monitoring.
- Continued implementing the monitoring plan for the Swan Creek mitigation area.
- Maintained analytical databases.
- Ordered supplies for environmental monitoring.
- Began coordinating with seed companies, and environmental planning contractors to determine a seed mix for planting the pier mitigation area.

Future: MES will continue the water quality monitoring and prepare the required reports. The Swan Creek Mitigation Area plan will continue to be implemented and monthly reports on the mitigation site will be submitted under separate cover.

Meetings, Tours & Events:

- 08/03/05 @ 15:15 p.m. - Linda Witherow with the Department of Agriculture performed onsite mosquito monitoring.

*****INTERNAL USE ONLY*****

- 08/04/05 @ 9:30 a.m. - Linda Witherow with the Department of Agriculture performed onsite mosquito monitoring.
- 08/11/05 @ 10:00 a.m. - Linda Witherow with the Department of Agriculture performed onsite mosquito monitoring.
- 08/16/05 @ 8:30 a. m. – Cox Creek Operations Meeting – Location: On-site.
- 08/16/05 @ 9:30 a. m. – Unloading pier construction progress meeting w/ Corman-Imbach Marine Inc. – Location On-site.
- 08/17/05 @ 15:15 p.m. - Linda Witherow with the Department of Agriculture performed onsite mosquito monitoring.
- 08/18/05 @ 9:30 a.m. - Linda Witherow with the Department of Agriculture performed onsite mosquito monitoring.
- 08/24/05 @ 14:30 p.m. - Linda Witherow with the Department of Agriculture performed onsite mosquito monitoring.
- 08/26/05 @ 07:00 a.m. Sue Ricciardi conducted bird observations in the Swan Creek Wetlands for the National Aquarium in Baltimore.
- 08/30/05 @ 8:30 a. m. – Cox Creek Operations Meeting – Location: On-site.
- 08/30/05 @ 9:30 a. m. – Unloading pier construction progress meeting w/ Corman-Imbach Marine Inc. – Location On-site.

Cox Creek Discharge Permit:

Update: The Cox Creek Discharge Permit became effective on December 1, 2004. MES prepared a groundwater study plan in June 2005 that was transmitted to MDE from MPA. The plan describes the groundwater conditions in the area of Cox Creek. MDE will review the plan and make a determination whether additional groundwater monitoring will be necessary. MPA has expressed an interest in getting baseline groundwater monitoring done, if MDE directs, prior to inflow.

Future Tasks:

MES will prepare a nutrient reduction plan for submission to MDE. The plan is due 12 months after the first inflow.

Operations Tasks for Reporting Period:

Update: The MES operations group is currently conducting tasks which can be split into the following categories: general operations, equipment maintenance and repair tasks, and site management and other in an effort to prepare the Cox Creek site for future inflow operations.

Construction Activities (Weather Permitting):

- MES continued to dig trenches as needed for the flow of water towards the spillways in both cells. Trenches may need to be re-worked and/or moved in order to access suitable material.
- Suitable material continued to be pushed up, and MES continued to load dump trucks, moved material to dike raising locations, and handled material when dumped in dike raising location. Both VSA and Colossal workers were on site

- aiding in operational activities. Through August 25th, 2005 a total of 9,498 truckloads (132,972 cy) of material have been placed.
- Corman-Imbach Marine Inc. completed sheet pile driving at approach and continued driving piles for the construction of the unloading pier. CIM began placing backfill inboard and outboard of sheet pile wall.

Equipment Maintenance and Repair Tasks:

- Daily operational maintenance performed on all heavy equipment.
- Daily servicing of 6" pumps.
- The new disc for drying material was delivered to the site on 8/26/05, and was assembled and installed on 8/29/05.

Site Management and Other:

- Continue tracking assets and assigning appropriate I.D. tags (on-going process).
- Removing debris off the wetland area beach continues. Once the debris accumulation is enough to fill a container, MES will have a container delivered, load the accumulated debris, and arrange removal from the site.
- Biohabitats continues to monitor tidal gauges in the Swan Creek wetlands and download data, however no data was downloaded during August.
- A new facility sign for Cox Creek was installed on 8/9/05.
- At the request of the MPA, the issue of removing the pile of residue material from Domino Sugar is being addressed. MES will continue to handle the material on the road surface to keep the area clear for transportation purposes. MES is spraying the roads with the water truck in this area daily to help with dust control.
- MES has been asked by MPA to look into the re-activation of the power sub station located on site. MES has contacted BG&E to begin the process of gathering information regarding resources, time line, cost, etc. for the re-activation of the sub station on site. MPA has contacted BG&E and provided the information necessary for BG&E to provide a cost proposal to MPA.
- Bids for the repairs to the storm drainage system have been received and the contract was awarded to East Coast Contracting, Inc for \$37,946 with a projected completion of 60 days. Work began on 08/11/05.
- Removal of asphalt for the unloading pier mitigation areas 1,2 & 3 is 100% complete. The sub-contractor for Corman-Imbach completed the saw cutting of the areas on 8/24.
- The quarterly Safe Passages website update for Cox Creek was submitted to MPA for posting.

Construction Activities for the Reporting Period:

Update: MES is conducting construction inspection, subcontractor management, and working on future construction procurements. In an effort to make this update as comprehensive as possible, also included are the tasks completed by various subcontractors during the reporting period.

The following construction activities were completed in August 2005

- Corman-Imbach Marine Inc. completed sheet pile driving at approach and continued driving piles for the construction of the unloading pier. CIM began placing backfill inboard and outboard of sheet pile wall.
- The roof contract for the maintenance building is 99% complete. Ponding water was observed on the roof. Warren Ehret is installing one extra roof drain to correct ponding problem.
- Since MES has been able to get ahead of the pending water, additional staff and equipment via VSA were added to the site. In addition, MES is expected to add personnel in the way of operators to increase production on the +24 ft dike.
- Cianbro was nearly complete with the construction of Spillways #1 & #2, with the exception of the grating. Grating to be installed in mid-September.

The following construction activities were on-going or upcoming in August, 2005

- Corman Imbach Marine Inc. will continue driving piles into August.
- Bids for the storm drain cleaning were received and the contract was awarded to East Coast Contracting for \$37,946. Work began on August 11th. Work on-going and shall be complete by mid- to end-September. Change order for bollard installation processed in-house 8/26. Contractor to install bollards after completion of storm drain work.

**POPLAR ISLAND ENVIRONMENTAL RESTORATION PROJECT
(PIERP)
MONTHLY UPDATE
July 2005**

**Editor: Mark Mendelsohn, United States Army Corp of Engineers, Baltimore District (CENAB)
Prepared by: Jennifer Harlan, Maryland Environmental Service (MES)**

Operations Update:

The Operations staff continues to aggressively dewater the site. Trenching continues, Cells 3B, 1A, 1B, 1C and 2 all have substantial perimeter trenches. Interior trenches were cut in Cells 1A and 1C this month. Wetland cells 1A, 1C and 3B are priority cells and all water from these cells is being pumped into the adjacent wetland cells for holding until discharged. Water from Cell 1D is being pumped to Cell 1B through the Cell 1C trenches. Water from the southern end of Cell 2 was siphoned into Cell 3A until water levels in 3A became too high to handle the additional water. Once discharge from Cell 3A resumes, this transfer of water will be re-started.

During June, the Operations staff finished the major construction of one of the interior cross dikes in Cell 5. This interior cross dike is being constructed to section off the deep borrow area from the rest of the cell. During July, the slopes of this cross dike were dressed and repaired after major storm events. Sand recovery continued in Cell 5; this material is being stockpiled for future use. Construction of the maintenance building began in late June and will continue throughout the summer.

Habitat Development Update:

Cell 3D:

The construction of Cell 3D has been completed. This cell was opened to tidal flow on the morning of March 14th. Environmental Concern finished planting the marsh areas in July. In an effort to finish planting the low marsh zones, tidal flow in Cell 3D was halted on July 15th and July 19th. The pipes were closed to tidal flow for less an 24 hours each time. MES will download and maintain the tide gauges that were installed in June until November; all data is being sent to the Corps for review.

Other Habitat Development:

During June, Jason Miller and FWS staff placed snags on the island in Cell 3D for future egret habitat. FWS conducted the annual SAV survey in Poplar Harbor from July 22nd – 27th. In contrast to 2004 sampling, no SAV was found at any point in Poplar Harbor. Most reference sites had much less SAV than what was found in previous years. Dave Meyer conducted the NOAA/NMFS sampling in Poplar Harbor, Cell 4DX and surrounding reference points during July.

Monitoring Update:

Discharge from PIERP continues to meet the Maryland Department of the Environment (MDE) water quality guidance; however there have been instances when certain parameters were recorded above the state water quality criteria at the spillways, 100-yd locations and the water quality reference point. Due to this, MES, MPA and MDE met in May 2004 and discussed options to address these issues. MES will continue following up on MDE guidance and will update the Working Group on any significant changes to the ongoing monitoring. MES received all of the data from the sampling conducted in August to determine how much of the turbidity in the effluent has a biological origin. This data has been reviewed and a report is drafted, however after discussions with MDE, MES will conduct more data interpretation before the report is finalized. The Working Group was updated on the preliminary findings at the May 2005 meeting.

Flora/Fauna Update:

Terrapins continued nesting on the site and by the end of the month there were approximately 260 nests that had been located and marked. Mike Erwin and Jason Miller conducted site visits during July. An estimate of snowy and cattle egrets that are expected to be fledged from the remnant island in Cell 1A is 125.

During June and July, FWS used a night-vision camera to examine nocturnal incubation behavior and predator interactions at a large (400-nest) common tern colony in Cell 3C. Footage from this system showed repeated depredation forays into the colony by great-horned owls, illustrating their repeated take of common tern chicks. Also, it appears that adult terns, as a likely result of owl activity, largely abandon the nesting colony at last light, returning at dawn. The resultant incubation disruption may well explain low common tern hatching rates. Mike Erwin conducted laboratory incubation at Patuxent NWRC of tern eggs collected from Poplar, most of which hatched without issue. Also, in late July, USFWS & USGS observed owl pellets on Coaches Island containing probable common tern chick bills. A great-horned owl was observed on Coaches Island during the same visit.

On July 19th a long-tailed duck showing signs of sickness was found by MES employees. This bird later died and was submitted to NWHC in Madison. The final necropsy results are not yet available and preliminary results showed no obvious cause of death, but the bird was emaciated. On July 28th a lesser scaup was found alive, but later died. This bird was submitted to the University of MD for necropsy; preliminary cause of death is air sacculitis (respiratory infection) and coccidiosis (parasite).

Safety:

As discussed at the Poplar Island Working Group meetings, to ensure that all activities occurring on the project site are coordinated and everyone is following the appropriate safety procedures, it is required that all guests contact the site to inform staff of a visit a day or so in advance. This would also be the appropriate time to set up any transportation that is needed. Also, if you bring your own boat to the island (again, please coordinate this ahead of time), you will need to go to the office compound and check in as soon as you get there. Everyone must sign in. For safety reasons, if you are by yourself, you will need to be accompanied by an MES employee for the time you are on the island. For those of you who might take boats into Cell 6, this also needs to be coordinated with someone at the facility. While visitors are welcome, normal operations duties may make it necessary to postpone certain visits if early enough notice is not provided.

Tours:

Currently the tour schedule is full through October. Please contact Chrissy Albanese (chrissyalbanese@earthlink.net) if you would like to schedule a tour.

Meetings held in July: Site Operations meeting on 7/15. Cell 3D meeting on 7/7. Poplar WG tour on 7/19.

Poplar Island Expansion Study:

Work continued on the Supplemental EIS and General Reevaluation Report (GRR) which was released to the public in June. Two public meetings were held in July. One was at the Easton Library on July 19th and the other was at the Tilghman Island Elementary School on July 20th. Based on agency input and public comments, the USACE has decided to include the embayment as part of the recommended plan in the FINAL GRR/SEIS for PIERP. The formal comment period closes on August 8th and the Final GRR/SEIS will be submitted to Corps Headquarters on September 8th.

The Poplar Island Project website can now be accessed through the CENAB website at the following address: www.nab.usace.army.mil/projects/Maryland/PoplarIsland/index.html.

For further information please contact Mark Mendelsohn at (410) 962-9499 or electronically at mark.mendelsohn@usace.army.mil.

Date: as of 08/31/05

Project Status Report Form
prepared by
Harbor Development

Project Name:

Cox Creek DMFC Repair of 48-Inch Storm Drain

Project Manager:

Bill Lear

Assignee(s) (Consultants/Contractors):

MES/East Coast Contracting

Contract Period:

Construction Contract – 60 Calendar Days - 30 Elapsed as of end of day 8/31/05

Budget Line #

PIN #:

Contract #:

Task #, Name:

980

600105N

599805

Project Budget (Total):

Original Contract- \$36,946.00

Total with change orders- \$45,819.00

Revisions:

\$8,873.00- Install bollards

Revision #:

1

% Complete (Total):

100%

% Expended (Total):

0%

Complete (Crnt FY):

Var/Balance:

100%

0%

% Expended (Crnt FY):

0% (no work invoiced by

Contractor as of 08/31/05)

Var/Balance:

100%

Project Goal(s):

Efficient and safe repair of the 48-Inch Storm Drain at the Cox Creek DMCF in accordance with the Contract Documents.

Project Objectives:

Ensure all work is performed in accordance with the Contract Documents

Project Status - Issues/Solutions (both required):

Construction contract executed. Pre-construction conference held 08/02/05. Construction on-going. Contractor has removed blockage from manhole #1. Project to be complete by middle to end of September.

Change order for bollard installation issued. Contractor shall proceed with the bollard installation after removing blockage at manhole #2.

Signature/Date: David Bilo 09.27.05
(Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:
Hart-Miller Island South Cell Environmental
Restoration Project (HMI SCERP)

Project Manager:
David Bibo

Assignee(s) (Consultants/Contractors):
MES

Contract Period:
2002-2005

Budget Line #:
735

PIN #:
50130040

Contract #:
500607

Task #, Name:
HMI SCERP

Project Budget:
\$1,080,000 (Total)
\$88,233(FY06)

Revisions:
None

Revision #:
None

% Complete – Work (Total):

% Expended - \$ (Total):

11%/\$118,909.56

89%/\$961,090.44

% Complete (Crnt FY): Var/Balance:

% Expended (Crnt FY): Var/Balance:

5%

2%/\$1,435

98%/\$86,798

Project Goal(s):

Restore the Hart-Miller Island South Cell creating a habitat for migratory birds, consisting of mud flats, nesting island, and uplands.

Project Objectives:

- Provide habitat for migratory birds.
- Allow citizens to observe the birds from viewing areas

Project Status Report Form
Prepared by
Harbor Development

Project Status - Issues/Solutions (both required):

Issues

- Gwen Meyer of the USACE conducted a vegetation survey of the South Cell uplands. She provided the MPA with a Memorandum for Record (MFR) that recommended annual mowing in the South Cell uplands, mowing/mulching around woody shrubs and trees, and continuing control of the invasive species, *Phragmites*, and controlling pokeweed and mile-a-minute vine with a broadleaf herbicide.
- The berm in front of Spillway 3 was removed and water was allowed to flow to the spillway. Unfortunately, the spillway was leaking and the berm in front of the Spillway had to be re-established.

Solutions

- MES conducted hand removal of a 1-acre plot of mile-a-minute and will be developing a plan of action to deal with invasive species within the South Cell. MES contracted an aerial spray for *Phragmites* in late September. The future mowing, mulching and invasive species (other than *Phragmites*) tasks will be covered under the South Cell monitoring proposals that will be submitted annually.
- MES Operations and Engineering Staff are developing a punch list of items that need to be completed to make Spillway 3 fully functional.

Construction:

- Geo Con has completed almost all their tasks and they have demobilized.
- The USACE is preparing a punch list for items that need to be corrected prior to closing the contract. Punch list items include: ground cover replacement in some areas, repair of the walkway around the pond, and replacement of the light poles outside of the control building.
- MES is managing all repairs related to the spillway (003): the contract was awarded to Strum Contracting Company. During August, Strum completed demobilization.
- Light poles outside of the control building and some of the walkway areas were fixed for the dedication ceremony by MES upon approval from MPA.

Environmental Monitoring:

- The SCERP is currently in Year 1 monitoring (November 2004-October 2005). The baseline monitoring year ended in November 2004. Interior water quality (MES) and interior sediment quality (UMCES) monitoring was conducted in the baseline year.
- MES is conducting Year 1 interior water quality monitoring. One set of samples was collected on August 31, 2005 from the pond in front of Spillway 3, the pond where the pump is located and at N. 265 in the Bay.
- The dedication ceremony was held on August 15, 2005.
- MES supplied Gwen Meyer, USACE with photos of vegetation in the uplands.
- MES began reviewing the amount of mulch that would be needed for the upland trees and shrubs.
- MES is preparing to conduct pre-discharge sampling at Spillway 003 after the gate is tested for leaks and the berm removed.
- MES received the signed IGA with the University of Maryland Center for Environmental Science for Year 1 Monitoring for interior sediment quality and vegetation tissue monitoring.

Date: September 27, 2005

Project Status Report Form
Prepared by
Harbor Development

Total Project Amount: \$1,800,000
Total Funding Allocated for Year 1 Monitoring: \$88,232.08
08/31/05 Invoice Amount: \$1,434.96
Total Remaining for Year 1 as of 08/31/05: \$86,798
Total Remaining for Project as of 08/31/05: \$118,909.56

Signature (Date): David Belis 09 27 05
Project Manager

Project Status Report Form
Prepared by or
Harbor Development

Project Name:

Poplar Island Environmental Restoration Project
 (This project is included under MES Open Ended
 Consulting EPATs)

MPA Project Manager:

Dave Bibo

MES Project Manager:

Melissa Slatnick

Assignee(s) (Consultants/Contractors):

Maryland Environmental Service

Contract Period:

01/01/04 – 01/31/05

01/01/04 – 04/10/06 (Revised February 2005)

Budget Line #**PIN #:****Contract #:****Task #, Name:**

1085 (new)

54000010

500912

#46, PIERP Adaptive
 Mgmt. Plan (AMP)

Project Budget (Total):

\$292,019 (Total Budget)

\$214,367 (FY 2005)

\$85,864 (FY 2006)

Revisions:

None

Revision #:

N/A

% Complete (Total):

90%

% Expended (Total):

80%

% Complete (Crnt. FY):

15% (Based on revised
 SOW with most work re-
 assigned to website task)

**% Var./Balance
(Crnt. FY):****% Expended (Crnt. FY):**

12%

88%

Project Goal(s):

- Continuation of services on the Poplar Island Adaptive Management Plan (AMP) and Project Management Plan (PMP).
- Development of the updated Poplar Island Habitat Development Framework (HDF).

Project Objectives:

- Provide technical support and contractor oversight for the continued development of the AMP and PMP.
- Provide revised drafts of the HDF.
- Provide support at the AMP team meetings and HDF development meetings (Habitat Sub-group Meetings).
- NEW: Implement a web-based system for adaptive management task database.

Project Status Report Form
Prepared by or
Harbor Development

Project Status – Issues/Solutions (both required):

- **Issues**
 - Adaptive management tracking requirements are not being communicated to the appropriate MES staff in order to track progress and provide follow-up.
 - CENAB does not have the time or resources to complete the existing task management worksheets.

- **Solutions**
 - MPA and CENAB will try to clarify adaptive management requests and direct those requests to the appropriate MES staff. Darren Fisher will manage all construction and operation adaptive management tasks / project management tasks and Melissa Slatnick will manage all environmental adaptive management tasks.
 - MES will work on updating the CENAB adaptive management worksheets as time and resources permit when the website is available.

NOTE: With the exception of the website development and maintenance subtask, all work under EPATS Task 46 has been completed.

Continued work on the Poplar Island Project Management Plan and Adaptive Management Plan will be completed under ERP Task 36 (approved by MPA in July).

- **MES Activities:**
 - Contractor oversight and management for the remaining task of website development.
 - Drafted July progress report; reviewed and approved subcontractor and client invoices.
 - Attended meeting with EA to get training on adaptive management/project management website.
 - Performed testing on website August 12-26th.

- **EA Engineering, Inc. Activities:**
 - Attended meeting to train MES on adaptive management/project management website.
 - Addressed MES comments on website trial run.
 - Developed website "user manual".

- **Future Activities:**
 - MES/EA/MPA/CENAB will meet to go over the website and provide MPA/CENAB with a brief overview of capabilities and use.
 - EA will continue to host the website through April 2006. (After April 2006, EA has an option on ERP Task 36 that would allow EA's continued support of the site.)

Total Contract Amount: \$292,019
Total August 2005 Invoice: \$15,431.44
Total Amount Invoiced as of 08/31/05: \$233,489

Signature (Date) David Bels 09/27/05
Project Manager

Project Status Report Form
Prepared by
Harbor Development

Project Name: Poplar Island Site Development

Task #, Name: _____

Project Name: Poplar Island Site Development

Project Manager: David Bibo

Assignee(s) (Consultants/Contractors): MES

Contract Period: 07/01/05-06/30/06

Budget Line # 770

PIN #: 51030040

Contract #: 502813

Task #, Name:

Project Budget (Total): \$4,720,000

Revisions:

Revision #:

August Invoice : \$341,680.73

Year To Date: \$701,796.36

Complete (Total): 14.9%

% Expended – 25.42%

% Complete (Crnt FY):

Var/Balance:

% Expended (Crnt FY):

Var/Balance:

16.7%

83.3%

25.3%

747%

Project Goal(s): Operation of the project efficiently, safely, and in compliance with the regulatory requirements. To manage the material placement for maximum capacity while meeting the objectives of the project. Development of viable environmental habitat.

Project Objectives:

- Environmental Monitoring, meeting the discharge criteria.
- Prepare and maintain the infrastructure for long term sustained operations.
- Conduct operations in compliance with environmental concerns.
- Recover sand for future operations.
- Develop the wetlands into a viable habitat.
- Conduct tours and site visits to tell the Poplar Island success story.

Project Status - Issues/Solutions (both required): The current focus of the facility is to dewater the cells that received inflow during the 04/05-inflow season and proceed with crust management activities in those cells. To monitor erosion throughout the island and repair dikes and roads as needed.

Date: September 27, 2005

Project Status Report Form
Prepared by
Harbor Development

Project Name: Poplar Island Site Development

Task #, Name: _____

Crust Management and Cell Drainage:

- There were a total of 6,708 linear feet of perimeter trenches excavated during August.
- There were a total of 12,700 linear feet of interior trenches excavated during August
- The total linear feet of trenches excavated during this crust management season is 103,578.
- A one-acre plot was tilled in the northwest corner of cell 1D as an experiment to increase consolidation.
- Crust management is 62% completed. This estimate is based on an 8-month duration.

Cell 3D:

- MES continues to monitor the tidal exchange in cell 3D.
- No significant slope erosion noted this month.
- Environmental Concern (E.C.) conducted no planting this month. E.C. visited the site to monitor plant growth and stage supplies in preparation for September's planting efforts.
- E.C. sprayed herbicide to kill off weeds that were out-competing the vegetation on the nesting island.

Cell 5 Cross dike:

- The dike was completed in late July.
- MES noticed no further settlement in the section that failed in late July. Grades are holding.
- The as-built survey of the new dike was completed on August 2nd.
- Bulldozers worked through August to push up silt and clays from the bottom of cell 5B onto the cross dike slope. This material will help to reduce erosion along the dike during the 05/06-inflow season.

Land base:

- A boarding ramp has been designed for the Terrapin and construction is underway.
- A plan drawing outlining general improvements including a split-rail fence and pathways has been delivered to the landowner. Mr. Harrison has not yet commented on this drawing.

Cell 4DX:

- Grasses planted by E.C. during the 3rd week of July have shown some improvement but still appear stressed. The USACE is monitoring this situation.
- The *Spartina Alterniflora* planted within the dredged material test plots grew twice as thick and robust as the other grasses in 4DX. The *Spartina Alterniflora* planted in the test plots has undergone a steady decline beginning early this summer. This decline continued through the month of August, the cause is unknown.

Coaches Island:

- MES began hydraulic sand placement on Coaches Island on August 12, 2005.
- Sand placement was completed on August 20, 2005.
- A total of 4,312 cubic yards of sand was pumped from Poplar Island over to Coaches Island.
- In addition to the beach reconstruction, MES placed a 100-cubic yard stockpile of sand on Coaches Island at the property owners' request.
- The Cat Pontoon excavator was used on Coaches Island to direct the hydraulic placement of sand

Project Status Report Form
Prepared by
Harbor Development

Project Name: Poplar Island Site Development

Task #, Name: _____

and to shape final grades.

- A final as built survey was completed on August 30, 2005.

Additional Highlights For August 2005:

- The Mechanics Building overhead door was completed on August 11, 2005 and some minor punch list items were also taken care of at this time.
- MES is currently accepting bids to have permanent electrical service installed throughout the building.
- MES extended the existing external armor stone at station 355+00. Approximately 65 additional linear feet of geo-textile fabric and armor stone was placed on August 3rd. The stone is to prevent further erosion to the exterior dike in this location.
- Bulldozers began to flatten bottom grades and reshape interior slopes in cells 5A and 5B.
- Minor dike and roadway erosion was repaired throughout the Island during the month of August.

Roadway Repairs:

- Roadway repairs are scheduled to commence in November 2005 after the initiation of inflow when manpower and equipment will be available for this work.
- The cost of CR-6 under the current contract with Langenfelder is \$19.22/ton. It is estimated that 6000 tons of CR-6 will be needed bringing material costs to \$115,320.
- The estimated total cost of the project is \$212,098.

Operations Trailers on Poplar Island:

- Plans are being finalized to move the trailer compound to a new location east of the proposed septic system. This move is in anticipation of the Cell 6 closure and dike raising.
- A new layout plan has been prepared. Utilities relocations are necessary before this move can take place. Necessary repairs to improve the reliability, safety and efficiency of the electrical system are being investigated as part of this relocation.
- MES is coordinating the installation/construction of the new septic field.

Marine Safety Review: MES has received price proposals on a marine safety review of Poplar, HMI and Cox Creek. The price proposals were shared with MPA, the report will also be shared with MPA when it is received.

Oil Operations Permit: An application was submitted to MDE for an Oil Operations permit for the Poplar Island facility.

Signature/Date: David Belis 092705
Project Manager

Project Status Report Form

Prepared by

Harbor Development

Project Name: Hart-Miller Island DMCF

Task #, Name: _____

Project Name: Hart-Miller Island DMCF

Project Manager: David Bibo

Assignee(s) (Consultants/Contractors): MES

Contract Period: 07/01/05 – 06/30/06

Budget Line #670

PIN #:500200 40

Contract #: 384002A

Task #, Name:

Project Budget (Total): \$3,716,000

Revisions:

Revision #:

August Invoice: \$291,250.43

Year To Date: \$488,756.74

% Complete (Total): 13.2%

% Expended (Total): 13.2%

% Complete (Crnt FY): Var/Balance:

% Expended (Crnt FY): Var/Balance:

16.7%

83.3%

13.2%

86.8%

Project Goal(s): Operation of the containment facility efficiently, safely, and in compliance with the discharge permit and regulatory requirements. To place the maximum amount of dredged material in the facility prior to the closure date.

Project Objectives:

- Operations of DMCF
- Complete Construction of and dedicate the South Cell Restoration Project
- HMI Well Monitoring Study, ensuring no migration of material is taking place
- Environmental Monitoring, meeting the discharge criteria
- Manage the area with 100-acre maximum pond size during inflow
- Development of a Filling Plan to maximize utilization of the North Cell
- Development of a closure plan for the North Cell

Project Status - Issues/Solutions (both required):

- **Temporary Berm Construction:** Current focus is dewatering and material recovery for the temporary berm construction which is approximately 76% complete. Placement of material in August has progressed mostly as planned but the temporary loss of end dump trucks has occasionally slowed progress somewhat. A rental truck is still in use pending insurance settlement and receipt of a replacement for the articulated dump truck involved in the accident.
- **Spillways and Discharge:** The inspection staff is now on daylight operation for water discharge from the North cell due to inflow from McClean Contracting. (Baltimore County project- 40,000 CY). Spillway gate repairs have been completed at spillway #7. Spillway modifications at spillway 8 are complete and spillway 9 is almost complete. These modifications are needed to raise the gate wheels due to raising

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island DMCF

Task #, Name: _____

the platforms.

• **South Cell:**

- Geo Con has completed almost all tasks and they have demobilized. The USACE is preparing a punch list for items that need to be corrected, prior to closing out the contract. Punch list items include:
- Ground cover did not initially prevent erosion and some washouts have occurred in the area of the footpath. Some repairs will be needed. MES will be making erosion repairs along the foot path as this is not part of the Corps of Engineers contract warranty.
- The light poles ^{RePAIR} were completed by Best Electric on 7/13/05.
- Best Electrical expects to complete the installation of surge protectors on the pump house equipment approximately 9/15/05.
- MES awarded the Spillway 3 reconstruction contract to Strum Engineering on May 2. Strum is now complete. MES is developing a punch list of items for the contractor.
- HMI staff continues to monitor the water level in the cell. Water was added to the cell this month to maintain the required elevation.

An outstanding dedication ceremony was held for the South Cell project on August 15 2005.

- **South Cell Spillway** – Work is now complete on contract repairs for the South Cell Spillway.
- **Capital Equipment & Other Items:** There are two pieces of rental equipment on site - a dozer and a dump truck along with a short reach excavator on loan from Poplar Island.
- **2005 Inflow Planning:** MPA, MES and GBA are working closely on detailed plans to manage, control, gather data and analyze 2005 inflow operations to insure that maximum utilization is made of the remaining capacity in the Hart-Miller Island DMCF. The same group is also looking to capture lessons learned for application at other DMCF's. Scheduled inflow operations include Great Lakes dredging of South Locust Point for MPA and Weeks dredging of the Baltimore Harbor Channels for the Corps of Engineers.
- **Oil Operation Permit:** An application was submitted to MDE for an Oil Operations permit for the HMI facility.

Date: September 27, 2005

Project Status Report Form

Prepared by

Harbor Development

Project Name: Hart-Miller Island DMCF

Task #, Name: _____

- **Marine Safety Review:** MES has received price proposals on a marine safety review of Poplar, HMI and Cox Creek. The price proposals were shared with MPA, the report will also be shared with MPA when it is received.

Signature/Date:

David Belro 092705

Project Manager

Project Status Report Form
prepared by
Harbor Development

Project Name:

Cox Creek Unloading Pier and Dike Raising to 36'

Project Manager:

Bill Lear

Assignee(s) (Consultants/Contractors):

MES/M&N/Findling/Corman-Imbach

Contract Period:

Pier Construction Contract – 220 Working Days- 75 Elapsed
as of end of day 8/31/05

Budget Line #

PIN #:

Contract #:

**Task #,
Name:**

1025

53070040

505918

Project Budget (Total):

Original Pier Construction Contract- \$3,116,562.00
Total amount with Change Orders- \$3,185,372.00

Revisions:

\$55,250.00 – Super Silt Fence
\$13,560.00 – Steel Sheeting Adjustment

Revision #:

1
2

CIM Invoice dated 7/29/05 Paid- \$330,000.93
Total Paid to date less retainage: \$452,704.63
Total Invoiced including retainage: \$503005.14

Dike Construction to 36'- Construction contract not
awarded

% Complete (Total):

100%

% Expended (Total):

15% (Pier)

% Complete (Crnt FY): Var/Balance:

100%

0

% Expended (Crnt FY): Var/Balance:

15% (Pier)

85% (Pier)

Project Goal(s):

Efficient and safe construction of the Cox Creek DMCF Unloading Pier in accordance with the Contract Documents. Dike raising to 36' after completion of dike raising to 24'

Project Objectives:

Follow Sequence of construction as laid out on the Contract Documents
Ensure all work is performed in accordance with the Contract Documents

Project Status - Issues/Solutions (both required):

Pier construction ongoing. Progress meetings held onsite 08/02/05, 08/16/05 and 08/30/05.
Sheet pile driving for approach complete, backfill being placed in front and behind sheet pile, pile driving on-going. Decision made to proceed with fixed operations pier in lieu of the floating dock. Fixed pier shall have small section of floating dock for small workboats. Design proposal from M&N forthcoming. Corman-Imbach will issue credit for labor and materials associated with floating dock that was originally bid.

The Contract to raise the dikes to 36' is in development and expected to be ready to send out for bids in the beginning of 2006.

Signature/Date: _____
(Project Manager)

Project Status Report Form

Prepared by

Harbor Development

Project Name: Cox Creek DMCF

Task #, Name: _____

Project Name: COX CREEK DMCF

Project Manager: David Bibo

Assignee(s) (Consultants/Contractors): MES

Contract Period: 08/01/05 – 08/30/06

Budget Line #765

PIN #: 53050040

Contract #: 504907

Task #, Name:

Project Budget (Total): \$2,066,000

Revisions:

Revision #:

August Invoice: \$101,834.72

Year To Date: \$255,442.25

% Complete (Total): 12.4%

% Expended (Total): 12.4%

% Complete (Crnt FY): Var/Balance:

% Expended (Crnt FY): Var/Balance:

16.7%

83.3%

12.4%

87.6%

Project Goal(s): Operation of the containment facility efficiently, safely, and in compliance with the discharge permit and regulatory requirements. To prepare the site for the first placement cycle.

Project Objectives:

- Dike raising of both cells.
- Site preparation for initial inflow, to include; access channel dredging, spillway construction, facility support trailers and equipment, and unloading pier construction.
- Environmental Monitoring, submitting and receiving the discharge permit.
- Dewatering in preparation of future construction, within discharge criteria.
- Monitoring and maintenance of the Swan Creek mitigation site.

Project Status - Issues/Solutions (both required)

- **Material Dewatering:** The current focus of the operation is dewatering the cells, recovering and hauling material for construction of benches for dike raising. This has included trenching, liming of the water, creation of sumps, clearing and grubbing the site and pushing up material, allowing it to dewater, hauling it to the desired location and placing and compacting it per the dike design.
- **Trailers:** All work on the trailers has been completed and the trailers are up and operating.
- **Maintenance Shop:** The roofing contract work has essentially been completed by Warren Ehret Co. One change order for an additional drain is outstanding. MES continues to explore and evaluate the best option for providing heat to the maintenance shop this winter.
- **Storm water drain system:** A contract in the amount of \$37,946 has been awarded to East Coast Contracting to perform repairs to the storm drain system. Work began in August 2005 and is continuing. There are indications of a possible need to extend the scope of the repairs to a 3rd manhole location.

Project Status Report Form

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Harbor Development

Project Name: Cox Creek DMCF

Task #, Name: _____

- **Electrical Work:** All ongoing electrical work at the lab trailer, construction trailer and the former scale house has been completed.
- **Water Line/Water Bill:** MES is continuing to coordinate with Anne Arundel County on the substantial water bill received during August 2005. The best indications for the substantial increase in the bill was the water lost during the break in the water line which occurred several months ago and was repaired by MES.

Construction Status:

- **Dike Construction to 24':** Dike raising to 24' continues by MES and contractors from Colossal and VSA. The work is currently being performed in the dry in the south cell with all ponded water being pumped to the north cell. The MES engineering division and A/E firms under contract to MES, with their geotechnical subcontractors, are overseeing the construction. Given the favorable weather, plans are to continue this work even after the target elevation of 24' has been achieved. Initial efforts will be limited to elevations up to 28'.
- **Spillway:** Construction is 100% complete, spillways are operational.
- **Dike Construction to 36':** MES plans to advertise a contract for construction equipment, with operators, in the January/February 2006 timeframe with a planned construction start date of Spring 2006. Meanwhile, the existing contract with VSA has been extended through the fall to continue work and start raising the dikes to 28'.
- **Pier Construction :** The contractor, Corman-Imbach, continues to make excellent progress on this project. During the month of August, the driving the concrete piles started and the installation of sheet piling for the abutment started and was completed. Setting forms for the pier pile bent caps also began. MES has contracted with Moffatt and Nichol for inspection of the pier installation and construction.
- **Cross Dike:** At the request of MPA, MES and GBA are collaborating on developing a consolidated recommendation to MPA on whether the existing cross dike dividing the site into 2 separate cells should remain in its entirety or have a 500' section removed. Also, whether the cross dike should be raised to 36' in conjunction with the construction of the perimeter dikes. A decision is needed before the start of the 2006 construction season.

Swan Creek Wetland:

- Weekly beach clean ups are continuing.
- The National Aquarium surveyed the wetlands on 8/19/05. Plan to return on 9/19/05 for supplemental planting.
- Erosion of the sand beach in front of the wetland is becoming problematical and will need to be addressed in order to protect the wetland planting.

Capital Equipment

- The new disc was delivered 8/26. The disc will be assembled 8/29.

Date: September 27, 2005

Project Status Report Form

Prepared by

Harbor Development

Project Name: Cox Creek DMCF

Task #, Name: _____

Staffing

- Interviews were conducted for the vacant CDL/Equipment Operator and the additional Equipment Operator position. Recommendations to fill both positions were forwarded to MES HR Dept. for processing.

Miscellaneous

- MES is working with MPA and an existing tenant to remove the Domino sugar byproduct off the road left behind by a previous tenant.
- Mitigation for the pier includes removal of asphalt on existing parking lot. This work is nearing completion, after removal of the asphalt, it will be placed on the exterior berm at Cox Creek. The newly pervious area will be filled with some of the stockpiled lime byproduct, possibly mixed with other materials, and seeded or planted. The sub-contractor for Corman-Imbach completed the saw cutting on 8/24. The removal of the saw cut asphalt (edging) is scheduled for the next rain day.
- A new facility sign for Cox Creek was installed on 8/9/05
- An application was submitted to MDE for an Oil Operations permit for the Cox Creek facility.
- Marine Safety Review- MES has received price proposals on a marine safety review of Poplar, HMI and Cox Creek. The price proposals were shared with MPA, the report will also be shared with MPA when it is received.

Signature/Date:

David F. Biles 092705

Project Manager

Project Status Report Form
Prepared by
Harbor Development

Project Name:

EPATS Task 59: Poplar Cell 3D Sediment and Plant Monitoring
 (This project is included under MES Open Ended Consulting EPATS)

MES Project Manager:

Jennifer Harlan

Assignee(s) (Consultants/Contractors):

Maryland Environmental Service
 UM Center for Environmental Science

Contract Period:

7/11/05 – 07/31/07

Budget Line #**PIN #:****Contract #:****Task #, Name:**

1085

54000010

500912

EPATS #59
 Poplar Cell 3D
 Sediment and Plant
 Monitoring

Project Budget (Total):

\$535,871(Total Budget)

Revisions:

None

Revision #:

N/A

% Complete (Total):

0%

% Expended (Total):

0%

% Complete (Crnt. FY): % Var./Balance (Crnt. FY):

0% (Based on work anticipated vs. completed in FY06)

% Expended (Crnt. FY): % Var./Balance:

0%

Project Goal(s):

- To monitor Cell 3D to gauge the suitability of dredged material as a planting substrate by: studying the sediment biogeochemistry and pore water biogeochemistry, and assessing the success of the marsh plantings.

Project Objectives:

- To monitor Cell 3D to quantify the degree of success in meeting the goals of the project for establishing healthy marshes. To monitor the dissolved phase of the water in the dredged material substrate. To conduct analysis on the solid phase dredged material substrate. To determine how the pore water and sediments are affecting the plant growth. To map sediment erosion and accretion. To measure the success of the plantings within the marsh and on the habitat island. To determine what design features and cell treatments are the most successful in promoting good plant growth and coverage.

Project Status Report Form

Prepared by

Project Status – Issues/Solutions (both required) Development

- **Issues**
 - None

- **Solutions**
 - None

- **MES Activities:**
 - Set up new EPATS task and finalized contracting issues.
 - Performed contractor oversight and management.
 - Attended site visit with UMCES and Corps to review cell design and planting scheme.

- **UMCES Activities:**
 - Prepared new project schedule.
 - Prepped for the first site visit.
 - Attended site visit with Corps and MES to review cell design and planting scheme.

- **Future Activities:**
 - MES will continue subcontractor oversight and management, including report review, subcontractor management and invoice payment and schedule oversight.
 - UCMES will begin deploying pore water peepers and conduct the initial site survey.

Total Contract Amount: \$535,871

Total Amount of 08/31/05 Invoice: \$ 1.20

Total Amount Invoiced as of 08/31/05: \$2.49

Project Manager David Belv 09 27 05
(Date)

August 15, 2005

Mr. David Bibo
Harbor Development
Maryland Port Administration
The Maritime Center II
2310 Broening Highway
Baltimore, Maryland 21224-6621

Reference: Comprehensive Monitoring of the Site 92 Open Water Placement Site
Progress Report for August 2005
MPA Contract No.: 599910 Pin No.: 521100-40
MES Contract No.: 99-07-11

Dear Mr. Bibo:

Enclosed is a progress report that details project activities on the Comprehensive Monitoring of the Site 92 Open Water Placement Site for August 2005. Please contact me at 410-729-8335 with any questions or comments.

Sincerely,

Elizabeth Habic
Project Manager
Environmental Dredging & Restoration
Division

Enclosure
Cc: Nat Brown

PROGRESS REPORT

Project: OPEN-WATER PLACEMENT SITE 92 Period: August 2005

MPA Contract No.: 599910

MPA PIN: 521100-40

CENAP Contract No.: DACW61-03-C-00031, Option Year 1

MPA Contract Amounts:

Year 3: \$157,430.09

Year 4: \$162,130.72

Year 5: \$164,790.13

Year 6: \$122,424.27

Year 7: \$118,680.93

A. Site Management

1. MES began drafting the Year 8 Site Management Plan.

B. Consolidation and Resuspension

1. MGS continued to analyze survey and sediment data collected to date (Year 7).
2. MGS prepared for Year 7 final survey and Year 8 pre-placement survey.
3. MGS prepared for Year 7 final core collection and Year 8 pre-placement core collection.
4. MGS submitted a progress report for the month of July on August 3rd.
5. MGS submitted a progress report for the month of August on August 31st.

C. Benthic Community Evaluation

1. The benthic community evaluation will not be performed until approximately 18 months after the end of all placement activities at Site 92.

D. Technical Support

1. MDE activities will be reflected in the quarterly progress report submitted in October.

E. Technical Integration

1. MES coordinated studies and principal investigators to maximize efficiencies and exchange information during the study period.
2. MES communicated with principal investigators as necessary to review findings of the studies and to coordinate activities.

3. MES began drafting the Year 8 Site Monitoring Plan.
4. MES provided overall program QA/QC to ensure that project elements met stated technical objectives.

F. Project Management

1. MES coordinated with MGS for submittal of project status reports.
2. MES distributed the draft meeting summary for the July 21st Principal Investigator Team meeting on August 18th.
3. MES tracked and processed invoices and coordinated with MGS and MDE on final invoice submittals for the end of the federal fiscal year.
4. MES submitted invoice details and a cost tracking spreadsheet to CENAP to begin FFY reconciliation.
5. MES monitored progress on all work tasks and informed the clients on its status.
6. MES submitted a monthly status report for the month of July on August 15, 2005 to MPA and CENAP.
7. MES submitted a monthly financial report to MPA for the month of July on August 15, 2005.

G. Turbidity Plume Monitoring

1. Turbidity plume monitoring is conducted only when placed materials exceed the authorized elevation of -14 MLLW and dragging is determined necessary. The elevation at Site 92 will be evaluated after all placement has ended for Year 8 and the Study Team will determine whether dragging is necessary and thus whether Turbidity Plume Monitoring is necessary.

Date: September 27, 2005

Project Status Report Form
prepared by
Harbor Development

Project Name: Site 92 Comprehensive Monitoring

MPA Project Manager: Dave Bibo

MES Project Manager: Elizabeth Habic

Assignee(s) (Consultants/Contractors):

MES
MDE
MGS

Contract Period:

05/1/98 – 06/30/06

Budget Line #

PIN #:

Contract #:

Task #, Name:

975

521100-40

599910

Project Budget (Total):

\$1,126,259.11 (years 1-7)

Revisions:

Revision #:

% Complete (Total):

Year 1 & Year 2: 100%
Year 3 & Year 4: 100%
Year 5 & Year 6: 100%
Year 7: 55%
Year 8: 0%

% Expended (Total):

61.8% (\$695,495.34 through August 2005)

% Complete (FY 05):

FY 05 Budget: \$118,680.93
(FY05 budget is based on FFY05 budget of \$237,361.86
split 50/50 with CENAP
for the period of 10/1/04 – 9/30/05)

% Expended (FFY 05 Funds):

68.2%/\$80,958.70

Var/Balance:

31.8%/\$37,722.23

Expended during (FY 06):

Total: \$4,422.35

Var/Balance:

Project Goal(s): Management of site monitoring activities at Site 92

Project Objectives: Conduct management activities of site monitoring activities at Site 92

Project Status - Issues/Solutions (both required):

August:

See attached status report

September:

MES will continue to draft the amendment to Site 92 contract with MPA and prepare cost estimates for Year 8. This agreement will run through 2012.

MES will submit the draft Year 8 Site Management Plan and the draft Year 8 Site Monitoring Plan.

MES will finalize and submit the meeting summary for the July 21st PI Team meeting.

MES will submit the final cost estimates for Year 8 Monitoring to MPA.

Date: 9/15/05

Project Status Report Form
prepared by
Harbor Development

Project Name: Site 92 Comprehensive Monitoring

Task #, Name: _____

Project Status - Issues/Solutions (both required):

MES/MPA will be having discussions regarding the potential dissolution of MGS and how this might affect the Site 92 work. MES is preparing a briefing sheet for discussion with MPA.

PROJECT INFORMATION FOR YEAR 8 OF PLACEMENT

Amount of Contract: \$

Amount of Dredged Material:

BD Survey -

Total Removed-

Pay Yards-

IBD Survey -

Amount of Material Dredged:

Amount of Material Remaining To Be Dredged:

Advertisement Date:

Time To Complete:

NTP Issued:

Weather Days:

Completion Date:

Signature/Date: David Belis 09 27 05
(Project Manager)

Poplar Site Development 2006 Budget

Poplar Site Development

MARYLAND PORT ADMINISTRATION AND MES

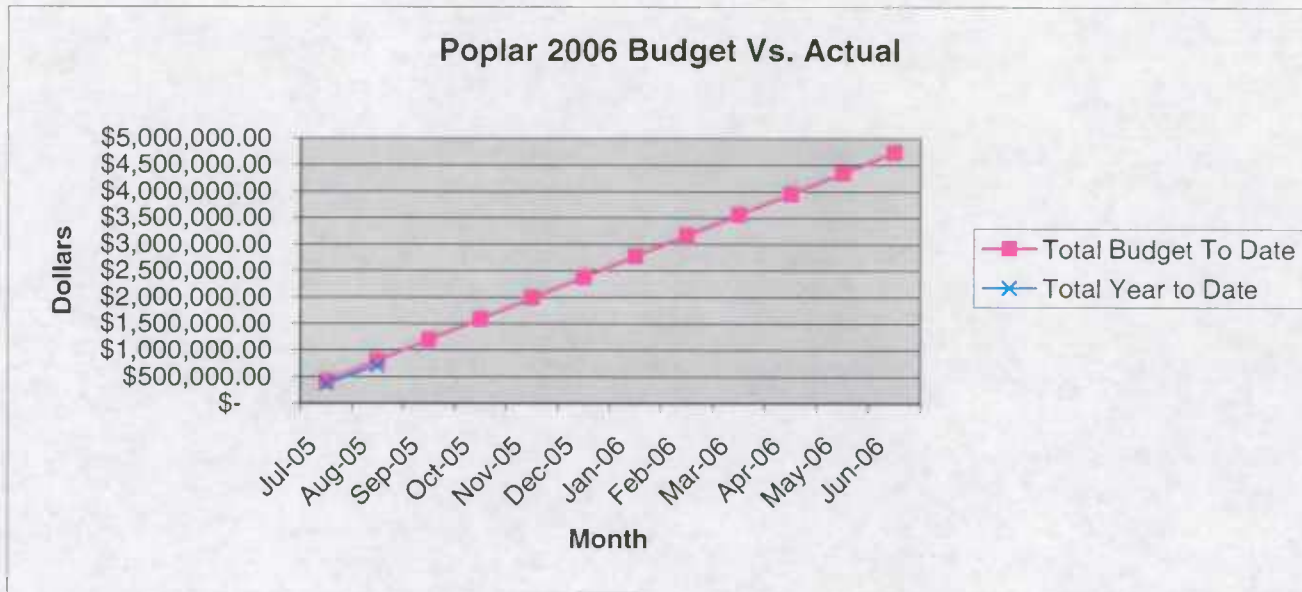
MES CLIENT CONTRACT #502813, PIN No. 51030040, MES Contract No. 02-07-20

Total Contract Amount \$ 4,720,000.00 Remaining \$ 4,018,203.64

Prior Fiscal Years FY 02 \$ 4,471,535.00
 FY 03 \$ 6,528,383.00
 FY 04 \$ 3,980,057.00
 FY 05 \$ 4,755,291.00

| | Budget | Total Budget To Date | Invoice Amount | Total Year to Date | Actual % Expended | Time Expended |
|--------------|---------------|-------------------------|----------------|--------------------|----------------------|------------------|
| Jul-05 | \$ 393,333.33 | \$ 393,333.33 | \$ 360,115.63 | \$ 360,115.63 | 7.63% | 8.33% |
| August-05 | \$ 393,333.33 | \$ 786,666.66 | \$ 341,680.73 | \$ 701,796.36 | 15% | 17% |
| September-05 | \$ 393,333.33 | \$ 1,180,000.00 | | | | |
| October-05 | \$ 393,333.33 | \$ 1,573,333.33 | | | | |
| November-05 | \$ 393,333.33 | \$ 1,966,666.66 | | | | |
| December-05 | \$ 393,333.33 | \$ 2,360,000.00 | | | | |
| January-06 | \$ 393,333.33 | \$ 2,753,333.33 | | | | |
| February-06 | \$ 393,333.33 | \$ 3,146,666.66 | | | | |
| March-06 | \$ 393,333.33 | \$ 3,540,000.00 | | | | |
| April-06 | \$ 393,333.33 | \$ 3,933,333.33 | | | | |
| May-06 | \$ 393,333.33 | \$ 4,326,666.66 | | | | |
| June-06 | \$ 393,333.33 | \$ 4,720,000.00 | | | | |

Poplar Site Development 2006 Budget



***** For Internal Use Only *****

POPLAR ISLAND ENVIRONMENTAL RESTORATION PROJECT
Environmental Monitoring Task Update
August 2005

All tasks included in this update (except where noted) are funded from the approved FY06 Poplar Island Environmental Restoration Project Operations and Monitoring Budget. Costs associated with specific Poplar monitoring tasks are tracked separately upon requested.

This update does not include MES activities associated with regular operations and crust management environmental monitoring.

Algae Monitoring

Algae monitoring began again in April 2005 and two sets of Poplar algae samples were collected this month. Several samples had high levels of *Anabaenopsis milleri*, a blue-green filament that has been found to be toxic. June samples were sent out for further toxicity analysis, but the results have not yet been received.

MES Tasks for Reporting Period:

- Collected 2 sets of samples and delivered them to DNR lab for analysis.
- Continued updating the 2005 algae spreadsheet.

Future: Algae monitoring will continue until the end of October. The algae sampling spreadsheets and graphs will be updated and emailed out to the algae group periodically. If any species of concern are found in the samples, the project team will continue to be notified and proper precautions will be taken at the site.

Volatile Solids Study

Update: MES has almost completed the draft report on the volatile solids study. The report includes MDE's recommendations on interpretation of the data to assist in developing more realistic discharge guidelines based only on the sedimentological component of the total suspended solid analysis. MES presented the preliminary findings of this report to the Working Group on May 24th.

MES Tasks for Reporting Period:

- Finalize draft report.

Future: MES will finalize the data spreadsheets and report following-upon guidance received by MDE, and send the report to MPA and CENAB for their review.

**Habitat Development Framework/
Adaptive Management Plan (EPATS Task 46)**

Update - Habitat Development Framework (HDF): MES finalized the 2005 version of the HDF and distributed it to the Working Group at the May meeting. As the 2004 monitoring and habitat development studies are received, they will be reviewed and recommendations will be compiled for incorporation into the 2006 version.

Update - Adaptive Management Plan (AMP): MES continues to manage the AMP. Under the EPATS Agreement (Task 46) and the ERP Agreement (Task 36), progress on this task is reported separately.

Future: MES will continue to update the HDF and provide support to the Adaptive Management Team.

Cell 4DX Monitoring (EPATS Task 40)

Update: Sampling under the 2004 Cell 4DX Monitoring Plan continued until the end of October. MES is finalizing the 2004 Cell 4DX Report. At the February 2005 HSG meeting, the group agreed that monitoring of Cell 4DX did not need to be conducted in 2005, unless any issues with erosion, algae, fish or bird kills is noted.

MES Tasks for Reporting Period:

- Continued drafting 2004 Cell 4DX Report

Future: In September 2005, MES will finalize and distribute the 2004 Cell 4DX report.

Working Group (WG) Coordination

Update: MES has been providing all of the planning, coordination, handouts and meeting summaries, for the bi-annual working group and sub-group meetings. MES has also been drafting the monthly WG updates, as requested by CENAB and MPA. In August, MES started coordinating and preparing for the Monitoring Sub-group meeting scheduled for September 13th.

MES Tasks for Reporting Period:

- Development of the July WG update.
- Distribution of the May and June WG updates.
- Coordinated the Monitoring Subgroup (MSG) meeting.

Future: MES will continue to provide monthly WG updates (for distribution by the Corps). MES will hold the MSG meeting on September 13th. There will be a WG meeting scheduled for November.

Poplar Exterior/Framework Monitoring

Update: MES has completed the contracting with EA Engineering to perform the 2005 monitoring for sediment, water and benthic monitoring. MES has also coordinated with the appropriate laboratories and the Maryland Geological Survey (MGS) for analysis of the sediment, water and tissue samples for the 2005 exterior monitoring event. Furthermore, MES continues to manage the contractor performing 2005 faunal monitoring per the monitoring framework plan, and assisting the Corps with the management of their exterior monitoring contractors (NOAA, USFWS, USGS-BRD).

MES began contacting the framework monitoring researchers to determine when the 2004 draft reports will be submitted for review. Based on the schedule, reports were due to MES by 8/30/05. NOAA and Ohio University draft reports to be submitted mid-September. No update from USFWS.

MES Tasks for Reporting Period:

- Contract management for exterior monitoring (contracts managed by MES).
- Coordination with Corps for 2005 exterior monitoring studies.
- Coordination with Corps contractors regarding 2004 reports.

Future: MES will continue to manage the appropriate contracts for the 2005 monitoring tasks. EA will perform the benthic community and tissue monitoring in the fall. MES will continue to coordinate with the framework monitoring researchers regarding their 2004 reports. MES will begin work on the 2004 Annual Report, which will be finalized by January 2006.

Cell 3D Monitoring

Update: Cell 3D was open to tidal flow on March 14th. The flow meter was installed at the end of August; all data received from this will be forwarded to the Corps with the tide gauge data.

Starting in August, the UMCES Cell 3D work will be submitted under a separate progress report for EPATS Task 59.

MES Tasks for Reporting Period:

- Continued working on installation and software for flow meter.
- Downloaded data from the tide gauges on a weekly basis and sent to CENAB.

Future: MES will continue to implement the Cell 3D Monitoring Plan. MES will continue to attend Cell 3D planting progress meetings and will have the flow meters installed. Data downloaded from the tidal gauges and flow meter will be forwarded to the Corps on a regular basis.

Vegetation Monitoring/Control

Update: MES has begun to spot spray *Phragmites* stands on the site. This will continue through October. Additionally, MES will request permission, through MPA, to spray *Phragmites* on Coaches and Jefferson Island in the fall.

MES has developed and began implementing the Nesting Island Monitoring Plan to determine if the reconstruction of the 2 nesting island in Cell 1B was successful in controlling vegetation and attracting nesting birds.

MES Tasks for Reporting Period:

- Prepped all spray equipment.
- Began spot spraying *Phragmites* stands on site.
- Drafted the Nesting Island Monitoring Plan.
- Began implementation of Nesting Island Monitoring Plan.

Future: MES will continue to spot spray *Phragmites* around the site and prepare to spray Coaches and Jefferson Islands this fall. MES will continue to implement the Nesting Island Monitoring Plan and will prepare a short report on the findings of this monitoring in December.

Other:

- MES submitted the April – June 2005 Quarterly website update to MPA for the Safe Passage website.
- MES met with the Corps and the Aquarium to discuss possible tasks that the Aquarium could take on to assist the project and stay involved in the restoration effort.

HMI O&M

MARYLAND PORT ADMINISTRATION AND MES

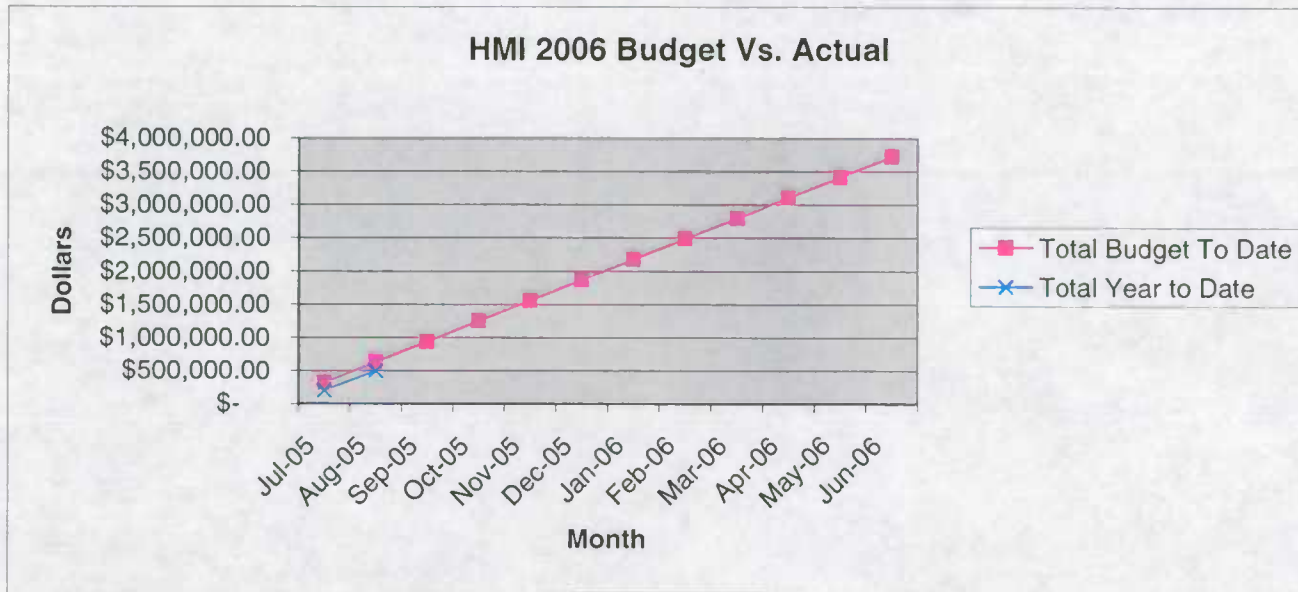
MES CLIENT CONTRACT #500828, PIN No. 54020020, MES Contract No. 84-03-19

Total Contract Amount \$ 3,716,000.00 Remaining \$ 3,227,243.26

| | | | |
|--------------------|-------|----|--------------|
| Prior Fiscal Years | FY 05 | \$ | 2,652,911.00 |
| | FY 04 | \$ | 2,197,738.00 |
| | FY 03 | \$ | 2,762,569.00 |
| | FY 02 | \$ | 4,669,333.00 |

| | Budget | Total Budget To Date | Invoice Amount | Total Year to Date | Actual % Expended | Time Expended |
|--------------|---------------|-------------------------|----------------|--------------------|----------------------|------------------|
| Jul-05 | \$ 309,666.67 | \$ 309,666.67 | \$ 197,506.31 | \$ 197,506.31 | 5.31% | 8.33% |
| August-05 | \$ 309,666.67 | \$ 619,333.34 | \$ 291,250.43 | \$ 488,756.74 | 13.15% | 17% |
| September-05 | \$ 309,666.67 | \$ 929,000.01 | | | | |
| October-05 | \$ 309,666.67 | \$ 1,238,666.68 | | | | |
| November-05 | \$ 309,666.67 | \$ 1,548,333.35 | | | | |
| December-05 | \$ 309,666.67 | \$ 1,858,000.02 | | | | |
| January-06 | \$ 309,666.67 | \$ 2,167,666.69 | | | | |
| February-06 | \$ 309,666.67 | \$ 2,477,333.36 | | | | |
| March-06 | \$ 309,666.67 | \$ 2,787,000.03 | | | | |
| April-06 | \$ 309,666.67 | \$ 3,096,666.70 | | | | |
| May-06 | \$ 309,666.67 | \$ 3,406,333.37 | | | | |
| June-06 | \$ 309,666.63 | \$ 3,716,000.00 | | | | |

HMI 2006 Budget



Project Status Report Form
Prepared by
Harbor Development

Project Name: SAV Study at Poplar (AA Comm. College)
Task #, Name: SAV Study at Poplar (AA Comm. College)

Project Name: **MPA Project Manager:**

SAV Study at Poplar Island (AA Comm. College) **Nathaniel K. Brown**

Assignee (s) Consultants/Contractors): **Contract Period:**

Anne Arundel Community College **04/01/02-07/31/06**

| Budget Line # | PIN # | Contract # | Task #, Name: |
|----------------------|--------------|-------------------|---|
| 1025 | 52260020 | 502822 | SAV Study at Poplar (AA Comm. College) |

Project Budget (Total): **Revisions: Revision #:**

\$148,761

Task Balance:

\$16,820

% Complete-Work (Total): **% Expended (Total):**

90%

100.00%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): | % Expended (Crnt. FY) | % Var./Balance |
|------------------------------|-----------------------------------|------------------------------|-----------------------|
| 98% | 2% | 84.10% | 15.90% |

Project Goal(s):

- To create, through plantings of submerged aquatic vegetation, underwater wetlands for the Poplar Island Environmental Restoration project.

Project Objectives:

- Activities for this study would take place over a four-year time line.
- SAVs would be planted in Poplar Harbor and monitored over the four-year period for growth and survivorship;
- A resource and planting methodology for the state will be established;
- A photographic record will be established.

Project Status Report Form
Prepared by
Harbor Development

Project Name: SAV Study at Poplar (AA Comm. College)

Task #, Name: SAV Study at Poplar (AA Comm. College)

- A record of plants supplied for other environmental projects, with acknowledgements to MDOT/MPA will be maintained for five years.
- Yearly progress reports will be submitted to MDOT/MPA on this study.

Project Status – Issues/Solutions (both required):

- It has been and continues to be challenging to get Dr. Ailstock to submit monthly project status reports. Several reminders have been sent to him to remind him to send-in his reports.
- The most recent invoice received from Dr. Ailstock on this project was received August 8, 2005.

Signature/Date:


(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: MPA Project Manager:

Poplar Island General Reevaluation Report Nathaniel K. Brown

Assignee (s) Consultants/Contractors): **Contract Period:**

Moffatt & Nichols (M&N)

02/15/05-12/31/06

| Budget Line # | PIN # | Contract # | Task #, Name: |
|----------------------|--------------|-------------------|---|
| 1165 | 54120010 | 502820C | Task #7, Poplar Island General Reevaluation Report |

Project Budget (Total):

Revisions: Revision #:

\$209,086

Task Balance:

\$184,947

% Complete-Work (Total):

% Expended (Total):

12%

11.55%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): | % Expended (Crnt. FY) | % Var./Balance |
|------------------------------|-----------------------------------|------------------------------|-----------------------|
| 12% | 88% | 5.17% | 94.83% |

Project Goal(s):

- Preparation of a General Reevaluation Review (GRR) for the expansion of Poplar Island to obtain funding authorization through a Water Resources Development Act (WRDA).

Project Objectives:

- Review the GRR as regards concepts, alternatives, alignments, and analyses for the Poplar Island Expansion (PIE) currently being performed by CENAB, focusing on dike sections, coastal protection, and impacts on tidal hydrodynamics, sedimentation, morphological change, wave refraction/diffraction and wave energy distribution. Provide input that will be used to develop plans for placement of dredged material within the expansion area and creation of tidal wetlands. Perform hydrodynamic, salinity, residence time, and sedimentation modeling to evaluate impacts of project on surrounding environment. The results of all the modeling studies will be presented in a Hydrodynamic Numerical Modeling Report. Using

Project Status Report Form
Prepared by
Harbor Development

the model, evaluate morphological changes in the vicinity of the project and assess the potential for long-term accumulation of sediments in the area. Model and evaluate wave refraction/diffraction and wave energy distribution differences for existing and with-project conditions. The results of all the modeling studies will be presented in a Hydrodynamic Numerical Modeling Report. Pertinent findings from the hydrodynamic, salinity, residence time, and sedimentation modeling will be incorporated in the GRR.

Project Name: Poplar Island General Reevaluation Report
Task #, Name: #7, Poplar Island General Reevaluation Report

Project Status – Issues/Solutions (both required):

- Continued review of GRR received from CENAB. Performed coastal and numerical modeling studies to evaluate expansion plan.

Signature/Date:

 10/03/05
(MPA Project Manager)

Project Status Report Form
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Harbor Development

Project Name: MPA Project Manager:

Poplar Island GRR Evaluation Nathaniel K. Brown

Assignee (s) Consultants/Contractors): Contract Period:

EA Engineering & Science Assocs. 02/15/05- 12/31/06

| Budget Line # | PIN # | Contract # | Task #, Name: |
|---------------|----------|------------|---------------------------------------|
| 1160 | 54100010 | 502820B | Task #7, Poplar Island GRR Evaluation |

Project Budget (Total): Revisions: Revision #:

\$33,501

Task Balance:

\$33,501

% Complete-Work (Total): % Expended (Total):

25% 0%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): | % Expended (Crnt. FY) | % Var./Balance |
|-----------------------|----------------------------|-----------------------|----------------|
| 5% | 95% | 0% | 100.00% |

Project Goal(s):

- To consider alternatives to expand the existing dredged material capacity at the existing Poplar Island Environmental Restoration Project, as well as other environmental and recreational improvements.

Project Objectives:

- This study will take into account modifications to the existing Poplar Island Environmental Restoration Project. Potential modifications could include: raising the existing dikes around the upland cells, constructing an expansion of the project footprint, environmental enhancements on the island and within Poplar Harbor, increased recreational opportunities, redefining criteria for placement of dredged materials at Poplar Island.

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Project Name: Poplar Island GRR Evaluation

Task #, Name: #7, Poplar Island GRR Evaluation

Project Status – Issues/Solutions (both required):

- EA Staff completed review of GRR/EIS prior to finalization. Comments submitted to MPA and MES. Follow-up required to address some comments.

Signature/Date:


(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: MPA Project Manager:

Poplar Island GRR Evaluation Nathaniel K. Brown

Assignee (s) Consultants/Contractors): **Contract Period:**

Gahagan and Bryant Associates 02/15/05- 12/31/06

| Budget Line # | PIN # | Contract # | Task #, Name: |
|---------------|----------|------------|---------------------------------------|
| 1155 | 54100010 | 502820A1 | Task #7, Poplar Island GRR Evaluation |

Project Budget (Total): **Revisions:** **Revision #:**

\$241,982

Task Balance:

\$181,088

% Complete-Work (Total): **% Expended (Total):**

25% 25.16%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): | % Expended (Crnt. FY) | % Var./Balance |
|-----------------------|----------------------------|-----------------------|----------------|
| 5% | 95% | 3.05% | 96.95% |

Project Goal(s):

- To consider alternatives to expand the existing dredged material capacity at the existing Poplar Island Environmental Restoration Project, as well as other environmental and recreational improvements.

Project Objectives:

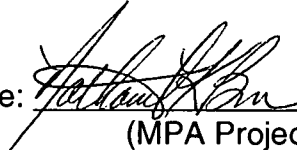
- This study will take into account modifications to the existing Poplar Island Environmental Restoration Project. Potential modifications could include: raising the existing dikes around the upland cells, constructing an expansion of the project footprint, environmental enhancements on the island and within Poplar Harbor, increased recreational opportunities, redefining criteria for placement of dredged materials at Poplar Island.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Poplar Island GRR Evaluation
Task #, Name: #7, Poplar Island GRR Evaluation

Project Status – Issues/Solutions (both required):

- GBA met with Mr. Brown and reviewed and provided comments to the Draft General Reevaluation Report (GRR) and Supplemental Environmental Impact Statement (SEIS) for the Poplar Island Environmental Restoration Project.

Signature/Date:  10/03/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: MPA Project Manager:

Poplar Island Expansion Feasibility Study Nathaniel K. Brown
(This project is included under MES Open
Ended Consulting EPATS)

Assignee (s) Consultants/Contractors): **Contract Period:**

Maryland Environmental Service 08/01/03-06/30/06

| Budget Line # | PIN # | Contract # | Task #, Name: |
|---------------|----------|------------|--|
| 1085 | 54000010 | 500912 | Task #44, Poplar Island Expansion Feasibility Study |

Project Budget (Total): **Revisions:** **Revision #:**

\$117,752

Task Balance:

\$21,753

% Complete-Work (Total): **% Expended (Total):**

85% 81.53%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): | % Expended (Crnt. FY) | % Var./Balance |
|-----------------------|-------------------------------|--------------------------|----------------|
| 85% | 15% | 17.20% | 82.80% |

Project Goal(s):

- To consider alternatives to expand the existing dredged material capacity at the existing Poplar Island Environmental Restoration Project, as well as other environmental and recreational improvements.

Project Objectives:

- This study will take into account modifications to the existing Poplar Island Environmental Restoration Project. Potential modifications could include: raising the existing dikes around the upland cells, constructing an expansion of the project footprint, environmental enhancements on the island and within Poplar Harbor, increased recreational opportunities, redefining criteria for placement of dredged materials at Poplar Island.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Poplar Island Expansion Feasibility Study
Task #, Name: #44, Poplar Island Expansion Feasibility Study

Project Status – Issues/Solutions (both required):

Subtask 44.1 Task Planning, Technical, Environmental and Administrative Services for the Poplar Island Expansion Project Management Plan Feasibility Studies (MES)

- On August 3rd, MES submitted comments on the Draft PIES SEIS to EA.
- On August 9th, MES received a July status report from EA.
- MES submitted a monthly status report to MPA on August 15th.

Future Work Anticipated in September:

- MES will submit a monthly status report in mid-September.
- MES will attend the team meeting on October 20th and will record meeting notes.

Subtask 44.2 Poplar Island Expansion Feasibility Project Management Planning Support (EA/GBA):

- On August 9th, EA submitted the monthly status report to MES and provided general management of the task.
- EA finished their review of the Draft PIES SEIS and submitted comments on August 8th.

Future Work Anticipated in September:

- EA will submit a monthly status report for the month of August in early September.
- EA will attend the team meeting on October 20th.

Signature/Date: *Fathima H. Bin* 10/03/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:
**Integrated Feasibility and EIS
Documentation**
This project is included under IGA –Mid Bay
Island Study (MES)

MPA Project Manager:

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Maryland Environmental Service

**Contract Period Relevant to this
EPATS Task:**
07/01/04 – 11/30/05

| Budget Line # | PIN # | Contract # |
|----------------------|--------------|-------------------|
| 1040 | 52280020 | 504804 |

Task #, Name:

**#8, Integrated Feasibility and
EIS Documentation**

Project Budget (Total):
\$436,517

Revisions: Revision #:

Task Balance:

\$302,324

% Complete-Work (Total):
55%

% Expended (Total):

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY) |
|----------------------------------|--------------------------------------|
| 45% | 55% |

30.74%

| % Expended (Crnt. FY) | % Var./Balance |
|----------------------------------|-----------------------|
| 3.79% | 96.21% |

Project Goal(s):

This study will focus on restoring hundreds of acres of aquatic and terrestrial habitat for fish, shellfish, reptiles, amphibians, birds and mammals and will include concepts consisting of wetland and upland components.

Project Objectives:

- Project documentation will be in the form of an Integrated Feasibility and Environmental Impact Statement (EIS).
- MES will provide technical coordination and integration services for regulatory compliance relative to the provisions of the federal water pollution control act (FWPCA) and National Environmental Policy Act (NEPA).
- Contract management services and planning and coordination services will be provided.

- Presentation development services will be provided.
- Writing, assembly and production of draft and final environmental documentation for the Mid Bay Islands Integrated Feasibility and Environmental Impact Statement will be provided.

Project Status – Issues/Solutions (both required):

- MES continued to coordinate with the Corps on the EIS schedule and EIS sections.
- MES continued to revise the Draft EIS based on comments received.
- MES received additional comments from the Corps and provided the Corps with responses to those comments.

Future Work Anticipated in August:

- On August 3rd, MES received an updated 404(b)(1) section from the Corps.
- On this same day, MES finished updating the comment table responses and submitted to the Corps.
- MES updated Appendix G (Public Involvement) to include new correspondence. MES submitted to Corps on August 24th.
- MES continued to coordinate and support the Corps on getting the files in a workable format.

Future Work Anticipated in September:

- MES will assist as needed with revising any text of the EIS as requested by the Corps.
- MES will coordinate with the Corps as to when the draft EIS should be submitted to Corps Headquarters.
- When the draft report is ready to go to Headquarters, MES will coordinate with an outside printing company to receive the appropriate number of copies of the report.
- MES will coordinate with the Corps to get the reports to Headquarters.

Signature/Date:

Nathaniel H. Brown 10/03/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: IGA – Mid Bay Island Study (James Island)
Task #, Name: #3 – Env. Field Studies & Cons. Env. Report (James Island)

Project Name: IGA – Mid Bay Island Study (James Island)
MPA Project Manager: Nathaniel K. Brown
Assignee (s) Consultants/Contractors): Maryland Environmental Service
Contract Period Relevant to this EPATS Task: 11/01/02-11/30/05

| Budget Line # | PIN # | Contract # | Task #, Name: |
|---------------|----------|------------|---|
| 1040 | 52280020 | 504804 | #3, Env. Field Studies & Cons. Env. Rep. (James Island) |

Project Budget (Total): \$335,931
Revisions: **Revision #:**

Task Balance:
\$49,866

| % Complete-Work (Total): | | % Expended (Total): | |
|--------------------------|----------------------------|-----------------------|----------------|
| 55% | | 85.15% | |
| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): | % Expended (Crnt. FY) | % Var./Balance |
| 45% | 55% | 13.36% | 86.64% |

Project Goal(s):

- To develop environmental conditions and consolidated report documentation supportive of third and fourth quarter environmental work of a feasibility level study for proposed James Island Restoration project.

Project Objectives:

- Perform the third and fourth quarters of a feasibility level environmental conditions study for a proposed island restoration project at James Island, including production of a consolidated report on four seasonal quarters of data.

Project Status Report Form
Prepared by
Harbor Development

Project Name: IGA – Mid Bay Island Study (James Island)
Task #, Name: #3 – Env. Field Studies & Cons. Env. Report (James Island)

Project Status – Issues/Solutions (both required):

Environmental Field Studies and Consolidated Environmental Report (MES, Harms, BBL, AMA)

Subtasks 3.1 – 3.8 (James Island):

Subtask 3.1 - Task Planning, Technical, Environmental and Administrative Services (MES)

- MES participated in a site visit to James and Barren Islands on August 16 and 17th, respectively. MES worked on preparing site visit summaries.

Future Work Anticipated in September:

- MES will send the site visit summaries to MPA.

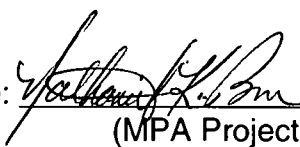
Subtasks 3.2-3.7 Subcontracted Services for Feasibility-Level Environmental Conditions Studies for a Potential Island Restoration Project at James Island – Third and Fourth Seasons of Sampling (Harms)

- Task is completed. No further activity to report.

Subtask 3.8 Subcontracted Services for Pop Netting at James Island (AMA)

- Task is completed. No further activity to report.

Signature/Date:

 10/03/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: IGA – Mid Bay Island Study
Task #, Name: #3, (0313) Barren Island Environmental

Project Name: MPA Project Manager:

IGA – Mid Bay Island Study (Barren Island) Nathaniel K. Brown

Assignee (s) Consultants/Contractors): Contract Period Relevant to this
Maryland Environmental Service EPATS Task:
4/18/03-11/30/05

| Budget Line # | PIN # | Contract # | Task #, Name: |
|---------------|----------|------------|---|
| 1040 | 52280020 | 504804 | #3 (0313), Barren Island Environmental |

Project Budget (Total): Revisions: Revision #:

\$409,969

Task Balance:

\$0

% Complete-Work (Total): % Expended (Total):

100% 100%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): | % Expended (Crnt. FY) | % Var./Balance |
|-----------------------|-------------------------------|--------------------------|----------------|
| 100% | 0% | 0.00% | 100.00% |

Project Goal(s):

- To conduct the feasibility level study of restoration of Barren Island; to perform environmental field studies and provide a consolidated environmental report on Barren Island.

Project Objectives:

- To determine the feasibility of placing dredged material to restore Barren Island; to perform environmental field studies and provide a consolidated environmental report on Barren Island.

Project Status Report Form
Prepared by
Harbor Development

Project Name: IGA – Mid Bay Island Study
Task #, Name: #3, (0313) Barren Island Environmental

Project Status – Issues/Solutions (both required):

Subtasks 3.9 – 3.16 (Barren Island):

Subtask 3.9 Task Planning, Technical, Environmental and Administrative Services (MES)

- Task is completed. No further activity to report.

Subtask 3.10 – 3.15: Subcontracted Services for Feasibility-Level Environmental Conditions Studies for a Potential Island Restoration Project at Barren Island – Third and Fourth Seasons of Sampling (BBL)

- Task is completed. No further activity to report.

Subtask 3.16: Subcontracted Services for Pop Netting at Barren Island (AMA)

- Task is completed. No further activity to report.

Signature/Date:

 10/03/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Cox Creek Permit Assistance
Task #, Name: #52 – Cox Creek Permit Assistance

Project Name:
Cox Creek Permit Assistance
(This project is included under MES Open Ended Consulting EPATS)

MPA Project Manager:
Nathaniel K. Brown

Assignee (s) Consultants/Contractors):
Maryland Environmental Service

Contract Period Relevant to this EPATS Task:
10/21/04 - 12/31/05

| | | |
|----------------------|--------------|-------------------|
| Budget Line # | PIN # | Contract # |
| 1085 | 5400010 | 500912 |

Task #, Name:
#52, Cox Creek Permit Assistance

Project Budget (Total):

Revisions: Revision #:

\$58,077

Task Balance:

\$50,604

% Complete-Work (Total):

% Expended (Total):

13%

12.87%

| | |
|------------------------------|-----------------------------------|
| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): |
| 13% | 87% |

| | |
|------------------------------|-----------------------|
| % Expended (Crnt. FY) | % Var./Balance |
| 3.24% | 96.76% |

Project Goal(s):

Provide assistance with permit provisions addressed within the Cox Creek Discharge Permit, particularly Special Condition S – Groundwater study.

Project Objectives:

1. Develop a plan to verify that offsite groundwater conditions will not be impacted by the operations of a dredged material containment facility.
2. Develop a groundwater study plan;
3. Develop a groundwater water report;
Based on the findings of the groundwater study plan, the groundwater report, and MDE feedback, perform groundwater monitoring and reporting

Project Status Report Form
Prepared by
Harbor Development

Project Name: Cox Creek Permit Assistance

Task #, Name: #52 – Cox Creek Permit Assistance

Project Status – Issues/Solutions (both required):
Issues

- During the month of August MES followed up with MPA on the status of the Final version of the Cox Creek Dredged Material Containment Facility (DMCF) Groundwater Study Plan that MPA submitted to MDE. There has been no progress on the MDE review of this plan to date.
- MES developed the August 2005 status report and submitted it to MPA.
- MES/MPA is awaiting a response from MDE on the Cox Creek DMCF Groundwater Study Plan that was submitted in July.

Signature/Date:


(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:
Characterization of Sediments, New Work
Projects – Inner Harbor
(This project is included under MES Open
Ended Consulting EPATS), Task #45

MPA Project Manager:
Nathaniel K. Brown

Assignee (s) Consultants/Contractors):
Maryland Environmental Service

**Contract Period Relevant to this
EPATS Task:**
01/01/04-12/31/05

| Budget Line # | PIN # | Contract # |
|----------------------|--------------|-------------------|
| 1085 | 5400010 | 500912 |

Task #, Name:
**#45, Character. Of Sediments,
New Work Projects- Inner
Harbor**

Project Budget (Total):

Revisions: Revision #:

\$679,228

Task Balance:

\$105,795

% Complete-Work (Total):

% Expended (Total):

84%

84.42%

**% Complete (Crnt.
FY)**

**% Var./Balance (Crnt.
FY):**

**% Expended
(Crnt. FY)**

% Var./Balance

84%

16%

59.54%

40.46%

Project Goal(s):

Characterize the harbor sediments in the Dundalk Marine Terminal (DMT), Seagirt, and Masonville Terminal New Work Areas. This characterization will identify the physical, chemical and cap related test properties to identify the quality of the sediments. These results from this characterization will be evaluated to determine appropriate placement options.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Characterization of Sediments, New Work Projects – Inner Harbor

Task #, Name: #45, Character. of Sediments, New Work Projects- Inner Harbor

Project Objectives:

1. Develop a site safety and health plan, field sampling plan, and quality assurance project plan for this project;
2. Mobilize a barge and sampling equipment in the Harbor to perform borings and obtain samples;
3. Characterize the harbor sediments in the proposed new work dredging areas through test borings, sampling and analysis;
4. Interpret the laboratory analyses to determine the quality of the chemical, physical and cap related test properties;
5. Prepare a report that summarizes the finding to facilitate appropriate placement options of the dredged material.

Project Status- Issues/Solutions (both required):

- During the month of August, MES processed EA's invoice in the amount of \$5,028.42 for the services provided. That invoice captured: draft report preparation and the analytical data review and processing.
- MES received a draft Memo from EA on July 13, 2005 on the Seagirt Marine Terminal sand volume calculations. MES forwarded that memo to MPA on July 13, 2005 for their concurrent review. Based on MPA's guidance, MES forwarded that Memo to the Harbor Joint Venture Team via email on August 11, 2005. MES received comments on that memo on August 26, 2005 from GBA. MES is in the process of reviewing the GBA and EA Memos on the sand volume calculations and is in the process of drafting a memo to the MPA. That Memo is expected to be sent to MPA in early September presenting MES' recommendations on how to proceed on this matter.
- Future forecasted work in September includes the continued work on the report summarizing the geotechnical and environmental data collected surrounding the Seagirt and Dundalk Marine Terminals.
- MES submitted an email to MPA on July 6, 2005 regarding an independent third party calculation of the sand volume calculations given the subjectivity of the geological interpretation. MES is awaiting feedback from MPA on this matter.
- MPA and MES had discussions about the third party QA/QC of the calculations. MES suggested that the money would be better spent

Project Status Report Form

Prepared by

Harbor Development

collecting additional geotechnical information.

Signature/Date:

Anthony H. Bue 10/03/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:
**South Locust Point Entrance Channel
Dredging**

MPA Project Manager:
Nathaniel K. Brown

Assignee (s) Consultants/Contractors):
Maryland Environmental Service

**Contract Period Relevant to this
EPATS Task:**
02/21/05-12/31/05

| Budget Line # | PIN # | Contract # |
|----------------------|--------------|-------------------|
| 1085 | 54000010 | 500912 |

Task #, Name:
**South Locust Point Entrance
Channel Dredging, Task # 54**

Project Budget (Total):
\$303,780

Revisions: Revision #:

Task Balance:
\$101,444

% Complete-Work (Total):
82%

% Expended (Total):
66.61%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): |
|----------------------------------|---------------------------------------|
| 82% | 18% |

| % Expended (Crnt. FY) | % Var./Balance |
|----------------------------------|-----------------------|
| 2.14% | 98.86% |

Project Goal(s):

Provide geotechnical investigations, hydrographic surveys, channel design and engineering, preparation of bid documents, quality assurance quality control review of engineering deliverables and provide project management and oversight in support of South Locust Point access channel design and dredging.

Project Objectives:

1. Design the South Locust Point Access channel so that it accommodates the cruise industry;
2. Perform multiple hydrographic surveys over the proposed areas;
3. Characterize the sediments in the South Locust Point Access through test borings, sampling and analysis;
4. Interpret the geotechnical data to determine physical properties;
5. Prepare a channel design;
6. Prepare a bid document for the procurement of a dredging contractor, in the event that the MPA chooses to procure a dredging contractor through MES.

Project Status – Issues/Solutions (both required):

- During the month of August 2005, MES continued to provide project oversight on the SLP project. MES processed a GBA invoice in the amount of \$1,845 for work performed during the month of July. That work included attendance at the bid opening on July 7, 2005.
- During the month of August MES attended a meeting on August 24, 2005 to discuss the status of the South Locust Point dredging project. MES prepared the meeting minutes and submitted those minutes to MPA via email on August 30, 2005.
- The anticipated future work includes a pre construction meeting on September 12, 2005 at the MPA and the dredging is expected to begin in early October.
- There are no outstanding issues.

Signature/Date:


(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island North Cell Closure Support
Task #, Name: #60, Hart-Miller Island North Cell Closure Support

Project Name: Hart-Miller Island North Cell Closure Support
MPA Project Manager: Nathaniel K. Brown

Assignee (s) Consultants/Contractors): Maryland Environmental Service
Contract Period: 07/01/05-06/30/06

| Budget Line # | PIN # | Contract # | Task #, Name: |
|---------------|----------|------------|--|
| 1085 | 54000010 | 500912 | #60, Hart-Miller Island North Cell Closure Support |

Project Budget (Total): \$269,867
Revisions: Revision #:

Task Balance:
\$269,866

| % Complete-Work (Total): | | % Expended (Total): | |
|--------------------------|----------------------------|-----------------------|----------------|
| 5% | | 0.00% | |
| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): | % Expended (Crnt. FY) | % Var./Balance |
| 5% | 95% | 0.00% | 100.00% |

Project Goal(s):

- To develop a closure plan for the North Cell of HMI that would move into pre-feasibility studies in early 2006.

Project Objectives:

- To identify and assess existing and potential environmental conditions that may affect development of a closure scenario for the North Cell at HMI.
- To identify and assess dredged material placement strategies at HMI that may affect effective and efficient placement of dredged materials and other supplemental materials in the North Cell at HMI.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island North Cell Closure Support

Task #, Name: #60, Hart-Miller Island North Cell Closure Support

- Identify and quantify contaminant transport via pathways of runoff and leachate using the results of ongoing studies at HMI.
- Identify and assess the suitable solutions for the management and control of acid forming conditions.

Project Status – Issues/Solutions (both required):

Issues

- None.

Solutions

- None.

MES Activities:

- Initiated new EPATS task and finalized contract requirements for Moffatt & Nichol / OA Systems subcontracted work.
- Coordinated planning and preparations for NCCT and NCCTWG meetings on September 8, 2005 (this meeting has been rescheduled to September 20, 2005)

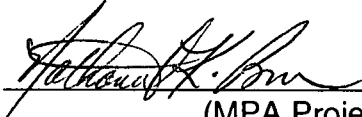
Contractor (M&N / OAS) Activities:

- None.

Future Activities:

- The next NCCT and NCCTWG meetings under this EPATS task are scheduled for September 20, 2005.

Signature/Date:

 10/03/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island Ph Study
Task #, Name: #38, Hart-Miller Island Ph Study

Project Name: MPA Project Manager:
Hart-Miller Island Ph Study Nathaniel K. Brown

Assignee (s) Consultants/Contractors): Contract Period:
Maryland Environmental Service 2/01/03-06/30/05

| Budget Line # | PIN # | Contract # | Task #, Name: |
|---------------|----------|------------|----------------------------------|
| 1085 | 54000010 | 500912 | #38, Hart-Miller Island Ph Study |

Project Budget (Total): Revisions: Revision #:

\$243,220

Task Balance:

\$26,583

% Complete-Work (Total): % Expended (Total):

100% 89.07%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): | % Expended (Crnt. FY) | % Var./Balance |
|-----------------------|----------------------------|-----------------------|----------------|
| 100% | 0% | 9.99% | 90.01% |

Project Goal(s):

- To review existing and potential conditions in dredged material containment that may cause acid forming conditions and to assess potential laboratory and pilot tests to aid in the design of site management and operational procedures to manage and control the acid forming conditions.

Project Objectives:

- To identify and assess existing and potential conditions that may cause acid forming conditions at HMI.
- To identify and assess dredging and dredged material containment operations that may cause acid forming conditions at HMI.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island Ph Study

Task #, Name: #38, Hart-Miller Island Ph Study

- Identify and quantify contaminant transport via pathways of runoff and leachate using the results of ongoing studies at HMI.
- Identify and assess the suitable solutions for the management and control of acid forming conditions; and to identify and assess potential laboratory and pilot tests to aid in the design of site management and operational procedures to manage and control Ph formations.

Project Status – Issues/Solutions (both required):

Issues

- During the month of August, OA Systems performed additional work on this project that was intended to be completed when a new EPATS Task (Task 60) was available. This progress report does not reflect OA Systems' tasks completed directly for MPA during August because they were done independently outside the scope of EPATS Task 38.

Solutions

- MES advanced the schedule for the development of EPATS Task 60.

NOTE: With the finalization of the subcontractor's White Paper, all work under EPATS Task 38 has been completed. Continued work supporting the planning for the North Cell closure will be conducted under EPATS Task 60, which will commence in late August 2005.

MES Activities:

- Participated in a meeting with MPA and Arundel Corporation representatives on August 8, 2005.
- Participated in North Cell Closure Team (NCCT) meeting on August 8, 2005.
- Drafted meeting summary for August meetings.
- Began Coordination for September NCCT and North Cell Closure Working Group (NCCWG) meetings.
- Finalized and distributed the comprehensive soil and vegetation report to the NCCT for comment then followed up with a distribution to the NCCWG.

Contractor (M&N / OAS) Activities:

- Attended August 8, 2005 meetings.


Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island Ph Study
Task #, Name: #38, Hart-Miller Island Ph Study

Future Activities:

- All future activities related to the NCCT and NCCWG will be completed under EPATS Task 60.

Signature/Date:


(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Analysis of Emissions from Ship & Port Operations – Study Phase II

Task #, Name: #15, Analysis of Emissions from Ship & Port Operations – 2ndPhase

Project Name:

MPA Project Manager:

Analysis of Emissions from Ship & Port Operations – Third Phase

(This project is included under MES Open Ended Consulting EPATS)

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Contract Period:

Maryland Environmental Service/Edwards & Kelcey (E & K)

12/15/00-12/31/05

| Budget Line # | PIN # | Contract # |
|----------------------|--------------|-------------------|
| 1085 | 54000010 | 500912 |

Task #, Name:
#15, Anal. Of Emissions from Ship & Port Ops. –3rd Phase

Project Budget (Total):

Revisions: Revision #:

\$174,131

Task Balance:

\$14,493

% Complete-Work (Total):

% Expended (Total):

96%

91.68%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): |
|------------------------------|-----------------------------------|
| 64% | 36% |

| % Expended (Crnt. FY) | % Var./Balance |
|------------------------------|-----------------------|
| 45.05% | 54.95% |

Project Goal(s):

- To produce a report on air emissions from Port activities, to assist the Port in decision-making regarding air quality issues and regulation on the Baltimore non-attainment area.
- To produce a report on objective and criteria for selecting and prioritizing emission reduction measures related to emissions from ship and MPA operations in the Port of Baltimore.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Analysis of Emissions from Ship & Port Operations – Study Phase II

Task #, Name: #15, Analysis of Emissions from Ship & Port Operations – 2ndPhase

- To produce a report on possible demonstration scale implementation of catalytic after-treatment technologies on tugboats operating in the POB: and to investigate idle reduction technologies for intermodal trucking operations serving the POB.

Project Objectives:

- To gather information on air emissions from Port activities.
- To investigate and identify possible targets for reductions in air emissions from Port activities.
- To produce reports that can be management tools in identifying objectives and criteria to reduce emissions from Port activities.

Project Status – Issues/Solutions (both required):

MES Tasks – August 2005:

- MES performed project management and subcontractor oversight duties.
- MES submitted a monthly status report to MPA on August 12th.
- MES worked on drafting the Phase III Air Emissions Study Report Funding Sources Text and References for E&K to incorporate into their draft report.
- MES worked to get the new project manager up to speed on the project.
- On August 15th, MES submitted draft minutes from the July 22nd meeting to MPA for review/comment.
- MES coordinated with E&K on revisions to Task 15 scope of work to cover additional meetings added by MPA and to move Phase III report drafting and finalization to the new Task 57 Air Emissions Compliance task. MES also coordinated with E&K on finalization of billing on this task.
- Coordinated with TA Engineering, Inc and E&K to obtain proposals for Task 57.

E&K Tasks—August 2005:

- Met with MES and MPA for project coordination and data collection.
- Coordinated with MDE to obtain the most current emission inventory of the Port.
- Coordinated with tugboat companies to obtain engine and operation data.
- Performed information and data collection from EPA (Washington, DC).
- Modeled tugboat and truck operation associated with emission factors.
- Processed emission data and analyzed results.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Analysis of Emissions from Ship & Port Operations – Study Phase II

Task #, Name: #15, Analysis of Emissions from Ship & Port Operations – 2ndPhase

- Developed Work Plan for Phase III final report to meet all contract requirements and initiated work on Draft Phase III report following the work plan.
- Continued coordination with Jim Moore (TA Engineering, Inc.) to finalize the cost proposal for Task 57.
- Maintained liaison with MES and MPA.

Future Work for September:

- MES will receive comments from MPA on the July 22nd draft meeting minutes.
- MES will attend the September 1st Air Quality Presentation by TIAX LLC per MPA's request.
- MES/E&K will prepare for and attend the September 7th meeting. E&K will present finding thus far on the Phase III report and MES will take meeting minutes and draft a summary.
- MES will continue preparation of the proposal, scope of work, and cost estimate for a new EPATS Task (57) for technical support for any additional air emissions compliance sub-tasks or meetings. This new task will be contracted through the A/E shortlist. It is expected that drafting and finalization of the Phase III Air Emissions Study report will be performed by E&K under the Subcontractor Supplemental Services subtask.
- E&K will submit the Phase III draft report for team review on September 16th.
- MES will review the Phase III report submitted by E&K by September 16th and prepare comments for submittal to E&K prior to the next team meeting.
- MES and E&K will attend the next team meeting planned for September 29th to discuss the draft Phase III report and identify future needs.

Signature/Date:  10/03/05
(MPA Project Manager)

Project Status Report Form

Prepared by
Harbor Development

Project Name:

Interagency Agrmt. MDE/MPA Monit.

Assignee(s) (Consultants/Contractors):

Maryland Dept. of the Environment

Project Manager:

Nathaniel K. Brown

Contract Period:

01/31/03-06/30/05

Budget Line #

1125

PIN #:

54010710

Contract #:

500910

Task #, Name:

**#2 Baltimore Harbor
TMDL Project**

Project Budget (Total):

\$164,000

Revisions:

Revision #:

Task Balance:

\$64,923

% Complete (Total):

60%

% Expended (Total):

60.41%

% Complete (Crnt. FY): % Var./Balance:

60%

40%

% Expended (Crnt. FY): % Var./Balance:

0.00%

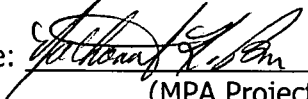
100.00%

Project Goal(s):

To develop TMDLs nutrients and toxic sediment TMDL for the Baltimore Harbor watershed.

Project Status - Issues/Solutions (both required):

- The toxic TMDL is currently being drafted.
- Modeling scenarios are currently being run for both the toxics and nutrient TMDLs.
- MDE expects to submit final nutrient and toxic sediment TMDLs to EPA in September 2005.
- New staff has been hired to assist with model development.
- A no-cost extension has been approved by MPA until the end of calendar year 2005.
- The most recent invoice was received on 06/14/05.

Signature/Date:  10/03/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 24th Year Monitoring Contract

Task #, Name: HMI 24th Year Monitoring Contract

Project Name: MPA Project Manager:

24th Year Monitoring Contract Nathaniel K. Brown

Assignee (s) Consultants/Contractors): Contract Period:

Maryland Dept. of the Environment 7/01/05-01/01/07

| Budget Line # | PIN # | Contract # | Task #, Name: |
|---------------|----------|------------|---|
| 715 | 50030020 | 293644 | 24th Year Monitoring Contract, (MDE) |

Project Budget (Total): Revisions: Revision #:

\$286,559

Task Balance:

\$286,559

% Complete-Work (Total):

0%

% Expended (Total):

0.00%

**% Complete (Crnt. FY) % Var./Balance
(Crnt. FY):**

0%

100%

**% Expended
(Crnt. FY)**

0.00%

% Var./Balance

100%

Project Goal(s):

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

Project Objectives:

- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 24th Year Monitoring Contract
Task #, Name: HMI 24th Year Monitoring Contract

Project Status – Issues/Solutions (both required):

- The first field sampling is scheduled for September 8th (MGS/CBL) and September 9th (MDE/CBL).
- There has been no other detailed project activities since last month's report.

Signature/Date:

Anthony K. Brown 10/23/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 23rd Year Monitoring Contract

Task #, Name: HMI 23rd Year Monitoring Contract

Project Name: MPA Project Manager:

23rd Year Monitoring Contract

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Contract Period:

Maryland Dept. of the Environment

7/01/04-01/31/06

Budget Line # PIN # Contract #

710

50030020

293644

Task #, Name:

23rd Year Monitoring Contract,
(MDE)

Project Budget (Total):

Revisions: Revision #:

\$321,944

Task Balance:

\$173,982

% Complete-Work (Total):

% Expended (Total):

0%

0.74%

% Complete (Crnt. FY) % Var./Balance

% Expended

% Var./Balance

0%

(Crnt. FY):

(Crnt. FY)

100%

0.00%

100%

Project Goal(s):

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

Project Objectives:

- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 23rd Year Monitoring Contract
Task #, Name: HMI 23rd Year Monitoring Contract

Project Status – Issues/Solutions (both required):

- The first field sampling has been conducted. MDE sampled on September 24, CBL and MGS sampled on Sept. 23rd and 24th. The second field sampling was conducted on 13th of April 2005.
- Sorting and Benthic IDs for the spring and fall samples is complete. Identifications for the fall sampling are complete and less than 20 IDs for the Spring remain.
- Sediment and tissue analyses are proceeding as scheduled.
- The most recent invoice on this project year was received on 06/14/05.

Signature/Date: *Anthony H. B...* 10/23/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 22nd Year Monitoring Contract

Task #, Name: HMI 22nd Year Monitoring Contract

Project Name: MPA Project Manager:

HMI 22nd Year Monitoring Contract Nathaniel K. Brown

Assignee (s) Consultants/Contractors): Contract Period:

Maryland Dept. of the Environment 7/01/03-12/31/05

| Budget Line # | PIN # | Contract # | Task #, Name: |
|---------------|----------|------------|---|
| 705 | 50030020 | 293644 | 22nd Year Monitoring Contract, (MDE) |

Project Budget (Total): Revisions: Revision #:

\$320,719

Task Balance:

\$150,310

% Complete-Work (Total):

80%

% Expended (Total):

53.13%

**% Complete (Crnt. FY) % Var./Balance
(Crnt. FY):**

80%

20%

**% Expended
(Crnt. FY)**

0.00%

% Var./Balance

100.00%

Project Goal(s):

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

Project Objectives:

- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 22nd Year Monitoring Contract

Task #, Name: HMI 22nd Year Monitoring Contract

Project Status – Issues/Solutions (both required):

- The summer sampling for Year 22 was completed in September 2003.
- No unusual conditions or delays have befallen the project.
- Sorting of benthic macroinvertebrates in the lab is complete.
- Identification of benthic organisms has begun.
- All samples have been collected by MGS and CBL and analyses have begun.
- A no-cost extension was submitted to and approved by MPA extending the contract period through December 2005.
- Draft reports are currently being drafted and are scheduled to be submitted to MPA by the end of December 2005.
- The most recent invoice for this project year was received on 06/14/05.
- There have been no other substantial changes detailed since last month's report.

Signature/Date:


(MPA Project Manager)

Date: September 12, 2005

Project Status Report #5
prepared by
Moffatt & Nichol

Project:
Dredged Material Management Consulting – Coastal

Project Manager:
Peter W. Kotulak

Assignee(s) (Consultants/Contractors):
M&N, SAIC, Chesapeake Environmental Mgmt

Contract Period:
6/26/05 – 7/30/05

Budget Line # PIN #:

Contract #:
502820C

Task #, Name:
3, Masonville Feasibility/
Environmental Impact

Project Budget (Total):
\$420,614.00

Revisions:
None

Revision #:
N/A

% Complete (Total):
60%

% Expended (Total):
58%

% Complete (Crnt FY): Var/Balance:
60% 0%

% Expended (Crnt FY): Var/Balance:
58% 0%

Project Goal(s):

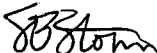
Preparation of the Feasibility/Environmental Impact Statement (EIS) Document to obtain regulatory agency approval to construct the Masonville Dredged Material Containment Facility (DMCF).

Project Objectives:

Undertake a data collection program in the Patapsco River and Chesapeake Bay to provide information on baseline hydrodynamic conditions and for hydrodynamic model calibration and verification. Science Applications International Corporation (SAIC) will serve as subconsultant to provide, deploy, and monitor the instrumentation. Prepare mitigation options that will be required to compensate for filling in the water and covering existing sediments both onsite and offsite. Provide technical input into addressing the concerns of the regulatory agencies in regard to obtaining the necessary environmental permits. Provide engineering support for community enhancement items not addressed through mitigation process. Chesapeake Environmental Management will serve as subconsultant for this subtask. Perform hydrodynamic, salinity, residence time, and sedimentation modeling to evaluate impacts of project on surrounding environment. The results of all the modeling studies will be presented in a Hydrodynamic Numerical Modeling Report. Pertinent findings from the hydrodynamic, salinity, residence time, and sedimentation modeling will be incorporated in the Feasibility/EIS.

Project Status - Issues/Solutions (both required):

Continued work and studies for the Masonville DMCF. Continued work on the Draft Environmental Impact Statement (EIS). Attended accelerated feasibility and design meetings with Harbor Development and Engineering to discuss project status and coordinate DMCF project with MPA Engineering Capital projects. Continued data collection of Patapsco River currents. Participated in developing mitigation plans and attended mitigation team meetings to complete project impacts inventory, prioritize mitigation options. Attended Bay Enhancement Working Group (BEWG) meeting to present preliminary results of data collection. Participated in field visits to Masonville Cove for mitigation and community enhancement strategies. Continued work on hydrodynamic modeling, continued salinity and sedimentation modeling using both regional and local models.



(Project Manager)

September 13, 2005
(Date)

Date: September 12, 2005

Project Status Report #5

prepared by
Moffatt & Nichol

Project:

Dredged Material Management Consulting – Coastal

Project Manager:

Peter W. Kotulak

Assignee(s) (Consultants/Contractors):

M&N, Chesapeake Environmental Mgmt

Contract Period:

6/26/05 – 7/30/05

Budget Line #

PIN #:

Contract #:

502820C

Task #, Name:

4, Masonville
Preconstruction
Engineering and Design

Project Budget (Total):

\$502,221.80

Revisions:

None

Revision #:

N/A

% Complete (Total):

2%

% Expended (Total):

1.7%

% Complete (Crnt FY):

2%

Var/Balance:

0%

% Expended (Crnt FY):

1.7%

Var/Balance:

0%

Project Goal(s):

Preparation of the Final Design and Contract Documents for construction of the Masonville Dredged Material Containment Facility (DMCF), Community Enhancements and Mitigation Projects.

Project Objectives:

Prepare Basis of Design for coastal protection, retention structures, spillways, barge unloading facilities and community enhancement/mitigation projects. Provide final engineering design and contract documents including construction drawings, specifications and cost estimates. Prepare submittals at 30, 90 and 100 percent levels of completion. Chesapeake Environmental Management will serve as subconsultant for this subtask.

Project Status - Issues/Solutions (both required):

Continued work and studies for the Masonville DMCF, primarily focusing on the predredging component of the project, geotechnical issues as regards dike foundation, borrow material and dike construction. Attended accelerated feasibility and design meetings with Harbor Development and Engineering to discuss project status and coordinate DMCF project with MPA Engineering Capital projects.

(Project Manager)

September 13, 2005

(Date)

Date: September 12, 2005

Project Status Report #5
prepared by
Moffatt & Nichol

Project:
Dredged Material Management Consulting – Coastal

Project Manager:
Peter W. Kotulak

Assignee(s) (Consultants/Contractors):
M&N, E2CR, Biohabitats, Ecologix

Contract Period:
6/26/05 – 7/30/05

Budget Line # PIN #:

Contract #:
502820C

Task #, Name:
5, Sparrows Point DMCF
Feasibility/
Environmental Impact

Project Budget (Total):
\$629,293.00

Revisions:
None

Revision #:
N/A

% Complete (Total):
2%

% Expended (Total):
1.5%

% Complete (Crnt FY): Var/Balance:
2% 0%

% Expended (Crnt FY): Var/Balance:
1.5% 0%

Project Goal(s):

Preparation of the Feasibility/Environmental Impact Statement Document to obtain regulatory agency approval to construct the Sparrows Point Dredged Material Containment Facility (DMCF).

Project Objectives:

Refine the coastal protection designs for the alternate dike alignments that are still under consideration for both the main DMCF cell and for the Wetland Cell. Perform physical model testing upon approval from MPA. MN will coordinate with the testing facility to insure that the model tests meet the study objectives. The results of the coastal engineering studies including any model testing will be presented in a Coastal Engineering Report. In conjunction with subconsultant E2CR and GBA, prepare Basis of Design contract documents for test dike. Prepare mitigation options that will be required to compensate for filling in the water and covering existing sediments both onsite and offsite. Provide technical input into addressing the concerns of the regulatory agencies in regard to obtaining the necessary environmental permits. Provide engineering support for community enhancement items not addressed through mitigation process. Biohabitats and Ecologix will serve as subconsultants for this subtask. Perform hydrodynamic, salinity, residence time, and sedimentation modeling to evaluate impacts of project on surrounding environment. The results of all the modeling studies will be presented in a Hydrodynamic Numerical Modeling Report. Pertinent findings from the hydrodynamic, salinity, residence time, and sedimentation modeling will be incorporated in the Feasibility/EIS. It is proposed to develop the main DMCF cell into a marine terminal once site filling has been completed. Accordingly, the containment structure along the west perimeter will be designed so that it can be incorporated into a future marginal wharf. Alternate retention structures to be evaluated include: armored sand dike, stepped rock dike, steel cofferdam cells, and braced steel master pile wall. This evaluation will consider both the initial retention structure and the future berth. Phasing of construction will be addressed due to the poor foundation conditions. The findings of this study will be incorporated into an Alternate DMCF Retention Structure Report. Additional subsurface investigations are required to refine alignments, verify soil conditions, and define quantities. These investigations will consist of borings, probes, cone penetration tests, vane shear tests, and laboratory tests. A supplementary subsurface investigation program will be submitted to MPA for review and approval prior to initiating field work. The findings of the investigation program along with the results of the geotechnical analyses will be documented in a report. This subtask will be performed by subconsultant E2CR.

Project Status - Issues/Solutions (both required):

Continued studies of community enhancement and mitigation options. Continued studies for construction of test dike.

(Project Manager)

September 13, 2005
(Date)

Date: September 12, 2005

Project Status Report #5
prepared by
Moffatt & Nichol

Project:
Dredged Material Management Consulting – Coastal

Project Manager:
Peter W. Kotulak

Assignee(s) (Consultants/Contractors):
M&N, Chesapeake Env. Mgmt., Ecologix

Contract Period:
6/26/05 – 7/30/05

Budget Line # PIN #:

Contract #:
502820C

Task #, Name:
6, BP-Fairfield DMCF
Feasibility/
Environmental Impact

Project Budget (Total):
\$210,664.00

Revisions:
None

Revision #:
N/A

% Complete (Total):
3%

% Expended (Total):
2.6%

% Complete (Crnt FY): Var/Balance:
3% 0%

% Expended (Crnt FY): Var/Balance:
2.6% 0%

Project Goal(s):

Preparation of the Feasibility/Environmental Impact Statement Document to obtain regulatory agency approval to construct the BP-Fairfield Dredged Material Containment Facility (DMCF).

Project Objectives:

Refine the coastal protection designs for the alternate dike alignments that are still under consideration for the DMCF and document results in a Coastal Engineering Report. Collect additional data, as required, to supplement the data collection effort outlined in Subtask 3.2. These data will include current velocity/direction, suspended sediments, salinity, and temperature. Prepare mitigation options that will be required to compensate for filling in the water and covering existing sediments both onsite and offsite. Provide technical input into addressing the concerns of the regulatory agencies in regard to obtaining the necessary environmental permits. Provide engineering support for community enhancement items not addressed through mitigation process. Chesapeake Environmental and Ecologix will serve as subconsultants for this subtask. Perform hydrodynamic, salinity, residence time, and sedimentation modeling to evaluate impacts of project on surrounding environment. The results of all the modeling studies will be presented in a Hydrodynamic Numerical Modeling Report. Pertinent findings from the hydrodynamic, salinity, residence time, and sedimentation modeling will be incorporated in the Feasibility/EIS. Additional subsurface investigations are required to refine alignments, verify soil conditions, and define quantities. These investigations will consist of borings, probes, cone penetration tests, vane shear tests, and laboratory tests. Provide input relative to formulation of the subsurface investigation program, review of the Geotechnical Report, and implementation of recommendations on dike construction and borrow sources.

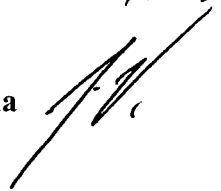
Project Status - Issues/Solutions (both required):

Continued work on the studies for the BP-Fairfield DMCF. Attended design meetings with the project team to discuss overall project status.

(Project Manager)

September 13, 2005
(Date)

10-03-05



Project Status Report: to 08/31/05

Project Manager: John Vasina

Fiscal Year 2004

| <u>No.</u> | <u>Line No.</u> | <u>PIN#</u> | <u>Contract #</u> | <u>Description</u> |
|------------|-----------------|-------------|-------------------|--|
| 1 | 785 | 55000010 | 597849 | C&D Pre-Construction Eng. Design |
| 2 | 950 | 52080040 | 597827 | Oyster Reseeding Program |
| 3 | 1005 | 52210040 | 502814 | Chesapeake Bay Ports System |
| 4 | 1010 | 52160020 | 500829 | UM Current Meter Study |
| 5 | 1015 | 52240020 | 502821 | UM Economic Studies |
| 6 | 1055 | 52170020 | 501918 | UM Ballast Water Study |
| 7 | 1085 | 54000010 | 500912 | Site Maint. Work at Masonville |
| 8 | 1085 | 54000010 | 500912 | Task #37 Masonville Expansion |
| 9 | 1095 | 54010510 | 598819 | Dredged Material Recycling (Agricultural Use) |
| 10 | 1125 | 54010740 | 500910 | MDE Ballast Water Program |
| 11 | 1155 | 54100010 | 502820A1 | Blackwater Nat'l Wildlife Refuge Pl. |
| 12 | 1170 | 54130010 | 502820D1 | Analysis of Benefits of Dredging of 50' Channel |

Project Status Report Form
Prepared by John Vasina
Harbor Development

| | | | |
|---|------------------------|--|------------------------|
| Project Name: | | Project Manager: | |
| C&D Pre-Construction Engineering Design | | John Vasina | |
| Assignee(s) (Consultants/Contractors): | | Contract or Task Period: | |
| U.S. Army Corps of Engineers | | 04/23/97 – 09/30/02 (original) | |
| Budget Line # | PIN #: | Contract #: | Task #, Name: |
| 785 | 600104-B | 597849 | |
| Project Budget (Total): | | Revisions: | Revision #: |
| \$1,250,400 (as of point of study suspension in FY '01) | | | |
| % of Work Complete (Total): | | % Expended \$ (Total): | |
| 100.00% (as of point of study suspension in FY '01) | | 99.97% (as of point of study suspension in FY '01) | |
| % of Work Complete (Crnt. FY): | % Var./Balance: | % Expended \$ (Crnt. FY): | % Var./Balance: |
| 0% | 0% | 0% | 0% |

Project Goal(s):
 To determine optimal design of the C&D Canal deepening project and to undertake an economic evaluation of the project to justify the project's implementation.

Project Objectives:
 To complete the Pre-construction, Engineering and Design phase of the Chesapeake & Delaware (C&D) Canal deepening project.

Project Status - Issues/Solutions (both required):

Issues:


- ◆ The economic evaluation, if based on the currently available information, would reflect number of negative trends that are short term in nature. Therefore, it would not constitute a suitable basis for making a long term decision pertaining to the project.

Project Status Report Form
Prepared by John Vasina
Harbor Development

Solutions:

- ◆ Secretary John Porcari recommended to Lt. Colonel Brown of the Philadelphia District Corps of Engineers in his letter of January 16, 2001 to defer consideration of the economic justification of the project until a number of additional factors can be appropriately considered. (including: Vessel operating costs; temporary decline in the number of container vessel arrivals at the Port of Baltimore; shipping industry trends, etc.). The Corps agreed to follow Secretary's recommendation and the project was postponed by three years to allow more representative, long term trends, to be considered.
- ◆ MPA procured consultant (Dr. John Martin) to investigate the economic feasibility and justification for C&D Canal deepening. Dr. Martin is scheduled to complete his investigations approximately in July 2004.
- ◆ John Martin's study was completed in September and is currently under pier review.
- ◆ The Corps of Engineers is in process of issue their C&D report.

Signature/Date:

 10-03-05
(Project Manager)

Project Status Report Form
Prepared by John Vasina
Harbor Development

Project Name:

Oyster Reseeding Program

Project Manager:

John Vasina

Assignee(s) (Consultants/Contractors):

Department of Natural Resources

Contract or Task Period:

06/01/02 – 06/30/05

Budget Line #

950

PIN #:

52080040

Contract #:

597827

Task #, Name:

Project Budget (Total):

\$19,625,000

Revisions:

\$4,875,000

Revision #:

2

% of Work Complete (Total):

76.00%

% Expended \$ (Total):

75.16%

**% of Work Complete
(Crnt. FY):**

15.00%

% Var./Balance:

85.00%

**% Expended \$ (Crnt.
FY):**

0.00%

% Var./Balance:

100.00%

Project Goal(s):

To provide large quantities of shells for habitat restoration of oyster population in the Chesapeake Bay.

Project Objectives:

To increase oyster population in the Chesapeake Bay.

Project Status - Issues/Solutions (both required):

Issues:

- ◆ **Program was originally structured so that each dollar was awarded for each cubic yard of dredged material that was placed in an open water site in the Bay. Under the current Agreement, the MDOT contributions to the Oyster Recovery program were scheduled to end in FY '02.**
- ◆ **DNR's George Hearlth provided invoices for the FY 2003 activities in the amount of \$1,625,000.**

Project Status Report Form
Prepared by John Vasina
Harbor Development

Solutions:

- ◆ **New Agreement was executed between MDOT and DNR that will secure funding of the program through FY 2005. Beginning in FY 2002, MDOT shall pay to DNR annual payment of \$1.625M from the Transportation Trust Fund.**
- ◆ **DNR's repayment of any funds previously advanced to by MDOT is forgiven.**
- ◆ **Continuation of the program funding was re-authorized in July, 2003 by MDOT.**
- ◆ **Description of the program is being placed on the MPA web-site.**
- ◆ **Billing by DNR is expected in March 2004 for the FY 2004.**
- ◆ **DNR is being contacted (Chris Judy) to bill for FY '04 funds.**
- ◆ **DNR submitted invoice in the amount of \$1.625M for FY 2004 activities.**
- ◆ **DNR also submitted report pertaining to the fund expenditures in FY 2004 as required by the MDOT/DNR Agreement.**
- ◆ **The contract will expire June 30, 2005; needs to be extended (if applicable).**
- ◆ **Draft memo to the Secretary is being drafted to obtain instruction if the contract should be terminated or extended to future years.**
- ◆ **Chris Judy of DNR will submit FY 05 invoice in April.**
- ◆ **Meeting with DNR and MDOT was held in June 2005 pertaining to the three-year amendment to the existing contract. The three-year extension was signed by Secretaries of MDOT and DNR in July, 2005.**

Signature/Date: _____

John Vasina 10-03-05

(Project Manager)

Project Status Report Form
Prepared by John Vasina
Harbor Development

Project Name:

Chesapeake Bay Ports System

Project Manager:

John Vasina

Assignee(s) (Consultants/Contractors):
The National Oceanic and Atmospheric Administration

Contract or Task Period:

10/25/01 – 10/25/06

Budget Line #

1005

PIN #:

52210040

Contract #:

502814

Task #, Name:

Project Budget (Total):

\$1,575,650

Revisions:

Revision #:

% of Work Complete (Total):

73.00%

% Expended \$ (Total):

72.48%

% of Work Complete (Crnt. FY):

15.00%

% Var./Balance:

85.00%

% Expended \$ (Crnt. FY):

0.00%

% Var./Balance:

100.00%

Project Goal(s):

To support safe and efficient navigation by providing ship masters and pilots with accurate real-time information required to avoid groundings and collisions.

Project Objectives:

To design, install, manage on ongoing basis, operate, maintain, and repair NOAA's Upper Chesapeake Bay Physical Oceanographic Real-Time System (PORTS).

Project Status - Issues/Solutions (both required):

Issues:

- ◆ **New centralized voice system was implemented during the month of March, 2002. The system was installed in Silver Spring, MD, complete with full back up, and providing local (Silver Spring) and toll-free numbers to cover each PORTS.**
- ◆ **MPA needs current update of the status.**

Solutions:

- ◆ **MPA executed an Addendum to the contract to finance operation and maintenance in FY '04 (cost: \$215K);**

Project Status Report Form
Prepared by John Vasina
Harbor Development

- ◆ MPA approved the new centralized voice system on February 20, 2002.
- ◆ The toll free number assigned to the PORTS Chesapeake Bay site is (866) 247-6787
- ◆ Richard Permenter of NOAA gave the update at Harbor Coordination & Safety Committee meeting on October 2, 2002.
- ◆ Meeting took place in May with NOAA and Md. Pilots to discuss issues pertaining to PORTS system in the Chesapeake Bay.
- ◆ Richard Permenter is permanently retiring in August, 2003. David MacFarland became new NOAA PORTS Program Manager.
- ◆ Kate Bosley is working full-time in another program and she is no longer involved in PORTS activities.
- ◆ Meeting with Md. Pilots and NOAA took place on November 7, 2003. Dave McFarland of NOAA discussed issues with MPA and Pilots that were raised by Pilots before retirement of Rich Permenter of NOAA.
- ◆ PORTS system begin fully implemented in the Chesapeake Bay area in February, 2004
- ◆ There is a plan for celebration of the implementation of the system at the Secretary's level with NOAA.
- ◆ MPA Office of Communication will continue planning of the celebration; per Darlene Frank, this task will be assigned to other communications personnel after departure of Richard Berkow.
- ◆ MPA contacted NOAA in May pertaining to the FY 2004 O&M invoice. NOAA will provide MPA with approximately \$215K invoice in June 2004.
- ◆ Meeting is planned for July, 2004 with NOAA, Maryland Pilots and MPA to discuss issue pertaining to safety navigation in the Chesapeake Bay.
- ◆ MPA accrued the \$215K expenditures for FY 2004.
- ◆ The new Addendum to the Agreement for 2004 was executed in September, 2004.
- ◆ Marty Welch of NOAA was contacted at (301) 713-2897, ext. 129 in January, 2005 to obtain an accrued bill from NOAA to cover FY 2005 cost of maintenance of the system.
- ◆ The FY 2005 bill from NOAA was paid in June 2005.
- ◆ Installation of additional air gap sensors under Chesapeake Bay bridge is in process and the cost will be added to FY 2006 maintenance billings (approx. \$90K increase).

Signature/Date:


(Project Manager)

Project Status Report Form
Prepared by John Vasina
Harbor Development

| | | | |
|---|------------------------|----------------------------------|------------------------|
| Project Name: | | Project Manager: | |
| UM Current Meter Study | | John Vasina | |
| Assignee(s) (Consultants/Contractors): | | Contract or Task Period: | |
| University of Maryland | | 05/31/00 – 06/30/06 | |
| Budget Line # | PIN #: | Contract #: | Task #, Name: |
| 1010 | 52160020 | 502829 | |
| Project Budget (Total): | | Revisions: | Revision #: |
| \$553,701 | | | |
| % of Work Complete (Total): | | % Expended \$ (Total): | |
| 79.00% | | 80.55% | |
| % of Work Complete (Crnt. FY): | % Var./Balance: | % Expended \$ (Crnt. FY): | % Var./Balance: |
| 15.00% | 85.00% | 34.60% | 65.40% (favorable) |

Project Goal(s):
 To enhance the present shipboard-based Monitoring Program with continuous data to aid the detection of long term change in the Bay ecosystem and to forecast water levels currents and weather over the Chesapeake Bay area that will assist in vessel navigation and environmental work for the State's dredged material management program.

Project Objectives:
 The purpose of this contract is to allow the University of Maryland Center for Environmental Studies to consult, deploy and maintain a Chesapeake Bay Observing System (CBOS) for the MPA.

Project Status - Issues/Solutions (both required):

Issues:

- ◆ The final report will be delivered on or before September 30, 2005 to the MPA. MPA will request interim progress report at the end of the FY 2002.

Project Status Report Form
Prepared by John Vasina
Harbor Development

Solutions:

- ◆ **MPA will contact Dr. William Boicourt in Spring, 2003 to request the interim progress report.**
- ◆ **Dr. Boicourt requested no cost extension to 06/30/06 to implement Bay-wide effort for surface wave measurements. MPA has granted the no cost extension on March 21, 2005.**

Signature/Date:


(Project Manager)

10-03-05

Project Status Report Form
Prepared by John Vasina
Harbor Development

Project Name:

UM – Economic Studies

Project Manager:

John Vasina

Assignee(s) (Consultants/Contractors):

University of Maryland (Dr. Dennis King)

Contract or Task Period:

02/01/02 – 01/31/06

Budget Line #

1015

PIN #:

52240020

Contract #:

502821

Task #, Name:

Project Budget (Total):

\$457,690

Revisions:

\$249,750; \$320,879

Revision #:

2

% of Work Complete (Total):

62.00%

% Expended \$ (Total):

60.55%

% of Work Complete

(Crnt. FY):

15.00%

% Var./Balance:

85.00%

% Expended \$ (Crnt.

FY):

0.00%

% Var./Balance:

100.00% (favorable)

Project Goal(s):

To support selection of the dredged material placement sites to be included in the Governor's Strategic Plan for dredged material management .

Project Objectives:

To create an economic model that would address comparison of the costs, risks, and benefits of dredged material management options.

Project Status - Issues/Solutions (both required):

Issues:

- ◆ **MPA requested report for the work done to date.**
- ◆ **Dr. King asked for the Amendment to the contract to continue work to January 31, 2004.**
- ◆ **Dr. King requested meeting with MPA to discuss issues pertaining to the cost/benefit ratios allocations for the DMMP suggested placement options, the Inner Harbor sites economic issues, and the issues pertaining to the economic study of the ballast water issue.**

Project Status Report Form
Prepared by John Vasina
Harbor Development

Solutions:

- ◆ Dennis King delivered the requested report in April, 2003.
- ◆ MPA approved Amendment #1 in December 2002.
- ◆ Several meetings took place in October to address economic issues pertaining to the Strategic Plan.
- ◆ Dr. King submitted to MPA proposal of the scope of work, under the Amendment #2 to the existing contract, to continue work in Year 3 on the project.
- ◆ Amendment #2 to the contract was executed in December 2003 for \$320,879 with time extension to 01/31/05.
- ◆ Meetings with Dennis King and MPA take place each month to discuss the issues pertaining to the Corps' economic analysis and other economics issues related to DMMP program.
- ◆ Dr. King's staff is involved in economic analysis of the Poplar Island expansion; the meeting with the Corps are scheduled to take place in May.
- ◆ Various frequent meetings are scheduled to discuss Corps DMMP and prepare presentations and analysis.
- ◆ Dr. King's staff is working with MES on economics analysis for Mid-Chesapeake Bay and Poplar Expansion projects.
- ◆ Dr. King is also working on the expansion of Dr. Martin's report pertaining to C&D cost/benefit justification study.
- ◆ Dr. King will meet with us in November to discuss work in 2005.
- ◆ Amendment #4 was processed and executed..
- ◆ Meeting with UMCES was held in March 2005; the work was planned to cover Inner arbor Sites and Bay projected sites GIS and other economic areas, and also one of the task will cover Blackwater Project preliminary economic evaluations.
- ◆ Meeting with UMCES was held in July 2005 to discuss scope of work and report generation to support DMMP process.

Signature/Date:


(Project Manager)

Project Status Report Form
Prepared by John Vasina
Harbor Development

Project Name:

UM Ballast Water Study

Continuation of contract # 501918

Assignee(s) (Consultants/Contractors):

University of Maryland

Project Manager:

John Vasina

Contract or Task Period:

12/08/04 – 12/31/05

Budget Line #

1055

PIN #:

52170010

Contract #:

505916

Task #, Name:

Project Budget (Total):

\$99,984

Revisions:

Revision #:

% of Work Complete (Total):

55.00%

% Expended \$ (Total):

51.46.%

% of Work Complete

(Crnt. FY):

15.00%

% Var./Balance:

85.00% (favorable)

% Expended \$ (Crnt.

FY):

0.00%

% Var./Balance:

100.0 (favorable)

Project Goal(s):

To identify improved methods for ballast water treatment and management and prevention of boat transport of invasive species.

Project Objectives:

To conduct realistic shipboard trials of methods for the treatment of ballast water, with specific emphasis on the Chesapeake Bay. The primary (voraxial separator) and secondary (ultraviolet irradiation and chemical biocide) treatments to be rigorously tested in the ballast tanks of an ocean going commercial vessel in Baltimore Harbor under normal ballasting conditions.

Project Status - Issues/Solutions (both required):

Issues:

- ◆ **Additional work is necessary to probe various issues pertaining to the measurement of the particulate separatory efficiency of the primary treatment (voraxial separator) and of the viability of bacteria, zooplankton and phytoplankton subjected to both primary and secondary treatments and other issues that arised during the course of study which need to be addressed in order to successfully complete the ballast water study.**

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- ◆ **The new system is being currently installed on Cape Washington by Dr. Wright and his technical support (Hyde Marine, Inc. and General Shipyard Co.) There are issue with possible deployment of the ship in Persian Gulf.**

Solutions:

- ◆ **First Amendatory Agreement to the contract was approved in December 2002 for additional funding of \$308,697 with the term extended to December, 2004.**
- ◆ **Meeting between MPA and UMCES was held in September, 2002 to address issues pertaining to the Amendment.**
- ◆ **University of Maryland was requested to provide MPA with a statement of absence of conflict of interest due to principal investigators (Drs. Wright & Dawson) having patent with C-Clean.**
- ◆ **The Phase II of the study will be conducted using the same technology (Maritime Solutions, Inc. microfugal separator) provided it is functional.**
- ◆ **The Phase II will take place on the MARAD ship (other than Cape May) docked in the Port of Baltimore. The MARAD ship was not allocated to the project as of February 28, 2003.**
- ◆ **Trip was made to Flemington, NJ to observe Maritime Solutions' separator in February 2003.**
- ◆ **Several meetings are scheduled for June and July to coordinate work of UM**
- ◆ **Maritime Solutions, Inc. withdrew from the joint project with UM to pursue testing of their own system.**
- ◆ **Drs. David Wright and Roger Dawson, along with project partner Thomas Mackey of Hyde Marine, Inc. presented the results of their earlier work at the 2nd International Ballast Water Treatment R&D Symposium held at the headquarters of the International Maritime Organization (IMO) in London on July 21-23, 2003.**
- ◆ **The University of Maryland started to publish a periodical pertaining to the ballast water issues.**
- ◆ **UM together with Hyde Marine, Inc. will install experimental treatment system on the board of Cape Washington by the end of November, 2003.**
- ◆ **Dr. Wright submitted preliminary proposal for the extension of the contract to MPA in December 2003. (The proposal is currently being reviewed by MPA).**
- ◆ **Debbie Aheron of MARAD is discussing details of work with Dr. Wright and both parties try to set up contingencies for possible deployment of the Cape Washington to the Persian Gulf.**
- ◆ **Cape Washington was deployed in Gulf war; MPA and UM are looking for temporary placement of the equipment off shore to continue with the study.**
- ◆ **Negotiations are in process to place the equipment and continue with the study at MPA's Clinton Street location.**
- ◆ **Meeting is scheduled for July 2004 with MPA management to discuss the project in general, ROE, and the amendment to the contract.**
- ◆ **ROE was approved in July 2004**

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- ◆ **Contract Amendment to proceed with Phase I of the new study cycle was signed in December, 2004. This work is going to proceed under contract no. 505916 on budget line # 1181.**
- ◆ **Meeting with UMCES (Sharon Moesel) was held in July 2005. MPA requested report from UMCES at the end of contract extension (Spring 2006), and closure of the project.**
- ◆ **Equipment at Clinton Street is fully installed, and testing is taking place as scheduled.**
- ◆ **Meeting was held at Clinton Street in August to observe workability of the system.**
- ◆ **UMCES provided schedule of work for the rest of the contract that will culminate in report to MPA.**

Signature/Date: _____

John Vasina 10-03-05

(Project Manager)

Project Status Report Form
Prepared by John Vasina
Harbor Development

| | | | |
|---|------------------------|----------------------------------|------------------------|
| Project Name: | | Project Manager: | |
| Site Maintenance Work at Masonville | | John Vasina | |
| Assignee(s) (Consultants/Contractors): | | Contract or Task Period: | |
| Maryland Environmental Service | | 09/09/02 – 12/31/04 | |
| Budget Line # | PIN #: | Contract #: | Task #, Name: |
| 1085 | 54000010 | 500912 | 35 |
| Project Budget (Total): | | Revisions: | Revision #: |
| \$657,378 | | \$33,599 | |
| % of Work Complete (Total): | | % Expended \$ (Total): | |
| 99.00% | | 99.13% | |
| % of Work Complete (Crnt. FY): | % Var./Balance: | % Expended \$ (Crnt. FY): | % Var./Balance: |
| 80.00% | 20.00% (favorable) | 0.00% | 100.00% (favorable) |

Project Goal(s):

To condition the site for further development in support of terminal operations .

Project Objectives:

To suppress phragmites and provide rough grading of the inner harbor Masonville site.

Project Status - Issues/Solutions (both required):

Issues:

- ◆ The scope of work incorporates use of aerial applicator and extensive rental of heavy equipment.

Solutions:

Active grading and clearing is occurring, with five pieces of equipment in use today. Where grading has occurred, the phragmites growth appears to be mostly controlled. Approximately 50% of the site is graded, and an additional 20% has been cleared and is in the process of being graded. Spraying of approximately 16 acres occurred on July 15, 2003. It is anticipated that this spraying will kill the phragmites

Project Status Report Form

Prepared by John Vasina

Harbor Development

above ground growth, but only provide minimal killing of the roots. Jim Sammis of WeedPro informed us that we may not see signs of the Phragmites dying off for 7-10 days, but the plants will begin to translocate the herbicide within 24 hours and this will start the dying process. MES observed signs of yellowing on some of the sprayed phragmites. MES will continue to clear and grade the site including the newly sprayed phragmites. All phragmites as well as the root mat are to be hauled off site to the Quarantine Road landfill. All reasonable effort will be made to remove any phragmites roots and above ground material from the site and not buried on site. Once the site is graded, no spraying will occur until September when the phragmites is fully tasseled. At this time, WeedPro will perform an aerial spray of the entire site at the most appropriate time to kill the phragmites roots and plants.

MES is still looking at completion of grading by the end of July, with the exception of the north side where stabilization still needs to occur. Luis has forwarded a sketch of the areas in need of stabilization. MNE has forwarded specifications for stone and geogrid to David Ferguson who is pursuing costs to provide MPA and MNE with a cost to stabilize these two areas.

Craig Huntley of MES first met Ken at the cell 5 site to discuss boring locations. EBA expects to be on site the end of next week and will be using an ATV for accessing the boring sites. Larry Walsh met us to see the site as well. JMT has previously staked out the existing pipe to make locating the alignment easier.

On phase II, the entire site is graded and rolled, except for the northern end that still needs to be stabilized. David Ferguson is to get Craig cost estimates as well as a record of available funds in the contract. Once we have this information, we can determine how much can be stabilized within the existing funding. A final survey needs to be done on the site, but this should wait until the site is fully stabilized. This is the same area where URS is planning SWM and we will coordinate with their plans.

The phragmites are coming back in some areas, but not heavily or to the point of tufting. If spraying is put off as late as possible, this would be around the third week of October. According to Jim Sammis and everyone else Craig have spoken to, unless the Phrag is tufting, there will not be full translocation to the roots. Because of this, and the fact that the phrag is very thin throughout the site. It appears that the most practical approach is to schedule spraying from a truck or with backpack sprayers and to not use aerial spraying. Once this is agreed upon, we need to let Jim Sammis of Weedpro know, so he can schedule accordingly.

Possible new phase of the project could be implemented to accommodate terminal for Mercedes Benz.

Additionally there is a need to make additional adjustment to discharge system.

Signature/Date:


(Project Manager)

Project Status Report Form
Prepared by John Vasina
Harbor Development

| | | | |
|---|------------------------|----------------------------------|------------------------|
| Project Name: | | Project Manager: | |
| Masonville Expansion | | John Vasina | |
| Assignee(s) (Consultants/Contractors): | | Contract or Task Period: | |
| Maryland Environmental Service | | 07/15/03 – 12/31/04 | |
| Budget Line # | PIN #: | Contract #: | Task #, Name: |
| 1085 | 54000010 | 500912 | 37 |
| Project Budget (Total): | | Revisions: | Revision #: |
| \$178,675 | | \$20,000; \$273,059 | 2 |
| % of Work Complete (Total): | | % Expended \$ (Total): | |
| 57.00% | | 56.55% | |
| % of Work Complete (Crnt. FY): | % Var./Balance: | % Expended \$ (Crnt. FY): | % Var./Balance: |
| 20.00% | 80.00% (favorable) | 15.36% | 94.64% (favorable) |

Project Goal(s):
Preliminary engineering assessment and design for the Masonville Dredged Material Containment Facility.

Project Objectives:
Preliminary design analysis for an expansion of the existing DMCF incorporating features that will facilitate cell closure and conversion and integration into the MPA's Masonville Marine Terminal operation.

Project Status - Issues/Solutions (both required):

Issues:

- ◆ Unanticipated need to design a replacement of approximately 500 linear feet of 42-inch corrugated metal storm drain pipe which has collapsed at the Masonville site.

Solutions:

- Additional funding of \$20K was approved on August 12, 2003.
- Meeting was held on October 27 with MPA's Engineering Department and

Period to: 08/31/05

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Harbor Development

Moffatt & Nichol Engineers to discuss additional study needs; specifically, additional borings needed to locate sand borrow areas.

- **Storm drain system needs to be possibly adjusted, proposal is being prepared by Moffatt & Nichol (anticipated in September 2005).**

Signature/Date: _____


(Project Manager)

10-03-05

Project Status Report Form
Prepared by John Vasina
Harbor Development

| | | | |
|--|------------------------|----------------------------------|------------------------|
| Project Name: | | Project Manager: | |
| Dredge Material Recycling (Agricultural Use) | | John Vasina | |
| Assignee(s) (Consultants/Contractors): | | Contract or Task Period: | |
| University of Maryland - Wye Agricultural Laboratory/MES | | 09/01/97 – 12/31/06 | |
| Budget Line # | PIN #: | Contract #: | Task #, Name: |
| 1095 | 600105-S | 598819 | |
| Project Budget (Total): | | Revisions: | Revision #: |
| \$384,835 | | | |
| % of Work Complete (Total): | | % Expended \$ (Total): | |
| 87.00% | | 87.20% | |
| % of Work Complete (Crnt. FY): | % Var./Balance: | % Expended \$ (Crnt. FY): | % Var./Balance: |
| 10.00% | 90.00% | 1.32% | 98.68% (favorable) |

Project Goal(s):

To make preliminary recommendation that the agricultural use of dredge material is either viable option to be considered for Governor's Strategic Plan for Dredged Material Placement or it should not be considered for the inclusion in the Plan. . Specifically, to investigate the feasibility of using dredged material on agricultural land as a soil supplement or soil amendment.

Project Objectives:

To address the benefit created through improving unproductive land (farmland). Additional objective is to quantify the value of unproductive farmland vs. the improved value of the land if dredged material increases agricultural yields.

The MPA initiated this project in 1998, with three major objectives – to perform a feasibility study for agricultural recycling of dredged material; to attempt to find recycling options for up to 500,000 cubic yards of dredged material annually; and to investigate agricultural, horticultural and industrial application of dredged material, defining soil and water quality and crop germination and production factors.

Project Status Report Form

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Harbor Development

Project Status - Issues/Solutions (both required):

Ken Staver sent his draft proposal for continuation of the study of agricultural use of dredged material on August 1, 2004. MES is in the process of reviewing and editing the Wye proposal and preparing an overall proposal for the next phase of this work for MPA.

MES will discuss the logistics of obtaining dredged material from Courthouse Point with USACE Philadelphia for next spring. Mr. Staver will revise his proposal to update some dates after hearing about the status on the dredged material from Courthouse Point and submit to MES. MES will work on a draft proposal for MPA review for future work. It will be combined with Ken Staver's proposal and folded into an overall proposal for the entire task for submission to MPA.

Signature/Date:

 10-03-05

(Project Manager)

Project Status Report Form
Prepared by John Vasina
Harbor Development

| | | | |
|---|------------------------|----------------------------------|------------------------|
| Project Name: | | Project Manager: | |
| MDE Ballast Water Program | | John Vasina | |
| Assignee(s) (Consultants/Contractors): | | Contract or Task Period: | |
| Maryland Department of the Environment | | 01/31/03 – 01/01/05 | |
| Budget Line # | PIN #: | Contract #: | Task #, Name: |
| 1125 | 54010740 | 500910 | |
| Project Budget (Total): | | Revisions: | Revision #: |
| \$161,000 | | \$0 | |
| % of Work Complete (Total): | | % Expended \$ (Total): | |
| 100.00% | | 92.38% | |
| % of Work Complete (Crnt. FY): | % Var./Balance: | % Expended \$ (Crnt. FY): | % Var./Balance: |
| 0.00% | N/A | 0.00% | N/A |

Project Goal(s):
 Implementation of reporting of information by maritime industry to MDE about ballast water. (Maryland legislation enacted in 2000 created an enforceable requirement for the maritime industry).

Project Objectives:
 MPA's funding support helps MDE to start the program, draft and promulgate regulations, and set up the ongoing reporting framework.

Project Status - Issues/Solutions (both required):

Issues:

- ◆ Program was originally funded from MPA's operating budget.

Solutions:

- Approval has been received from Secretary Porcari to amend the existing MOU between MPA and MDE (Contract No. 500910) and allow MDE to conduct work in support of MDE's ballast water program under this contract.
- MDE is submitting quarterly reports.

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Prepared by John Vasina
Harbor Development

- **MDE's ballast water program regularly update and maintain a ballast water database that is used to collect information about ballast water report forms, ships that enter and depart the State of Maryland, contact information and compliance tracking. MDE is sending compliance verification letters to shipping agents of vessels that did not send in report forms at the end of each month. For example, in 2003, the average compliance rate (prior to receipt of compliance verification letters) was 71%. However, the average compliance rate (after receipt of compliance verification letter) climbed to 94%.**
- **MDE is inquiring about possible extension of this contract beyond 06/30/05. MDE submitted list of potential tasks that would be done under the contract. Specifically, MDE is emphasizing work pertaining to the potential Inner Harbor Dredged Material Placement sites. Overall contract No. 500910 was extended to June 30, 2011, and amended by \$500K. The Ballast Water segment of the contract is completed.**
-

Signature/Date:

 08-03-05
(Project Manager)

Date: August 31, 2005

Project Status Report Form
prepared by
Harbor Development

Project

Dredged Material Management Consulting - Dredging

Project Manager:

John Vasina

Assignee(s) (Consultants/Contractors):

Gahagan & Bryant Associates, Inc.

Contract Period:

02/15/05 – 12/31/06

Budget Line #

1155

PIN #:

54100010

Contract #:

502820A

Task #, Name:

Task 11 Blackwater
National Wildlife Refuge
Planning & Cost Estimates

Project Budget (Total):

\$63,113

Revisions:

Revision #:

% Complete (Total):

30%

% Expended (Total):

28.48%

% Complete (Crnt FY):

15%

Var/Balance:

Favorable 85.00%

**% Expended
(Crnt FY):**

0.00%

Var/Balance:

Favorable 100.00%

Project Goal(s)

Much interest has been expressed in Blackwater NWR restoration as noted in discussions recently at the February DMMP Management Committee meeting. There are diverse approaches involving application of dredged material to restore marsh areas. This work will involved concept level studies of the application of Maintenance Dredging Material to restore the Blackwater NWR.

Project Objectives:

GBA will provide qualified staff to assist the MPA with the following subtasks

11.1) Review Data & Mapping – Cost Estimates

11.2) Concept Study Report

Project Status - Issues/Solutions (both required):

Prepared conceptual cost estimates for direct hydraulic pipeline and scow pumpout alternatives for placing dredged material at Blackwater NWR.



(Project Manager)

September 30, 2005

(Date)

Date: August 31, 2005

Project Status Report Form
prepared by
Harbor Development

Project

Open Ended Planning

Project Manager:

John Vasina

Assignee(s) (Consultants/Contractors):

John Martin & Associates, Inc.

Contract Period:

04/15/05 – 12/31/05

Budget Line #

1170

PIN #:

54130010

Contract #:

502820D1

Task #, Name:

Task 1 Analysis of Benefits
of the Dredging the 50'
Channel

Project Budget (Total):

\$166,729

Revisions:

Revision #:

% Complete (Total):

30%

% Expended (Total):

27.77%

% Complete (Crnt FY):

20%

Var/Balance:

Favorable 80.00%

**% Expended
(Crnt FY):**

27.72%

Var/Balance:

Favorable 72.28%

Project Goal(s)

To justify the O & M dredging expenditures to maintain authorized channel project specifications.

Project Objectives:

To measure the economic benefits of maintaining the 50 ft. main shipping channel serving the Port of Baltimore.

Project Status - Issues/Solutions (both required):

John Martin requested from the US Army Corps of Engineers the data pertaining to the Corps' previous studies of the 50 ft. shipping channel.

Danny Closterman (410 962-3215) is Corps' contact for John Martin's contract.

Meeting was held in September (Martin Associates, MPA & GBA) to discuss incremental costs of deepening.



(Project Manager)

September 30, 2005

(Date)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island DMCF

Task #, Name: _____

Project Name: Hart-Miller Island DMCF

Project Manager: David Bibo

Assignee(s) (Consultants/Contractors): MES

Contract Period: 07/01/05 – 06/30/06

Budget Line #815

PIN #:500200 40

Contract #: 384002A

Task #, Name:

Project Budget (Total): \$3,716,000

Revisions:

Revision #:

July Invoice: \$197,506.31

% Complete (Total): 5.3%

% Expended (Total): 5.3%

% Complete (Crnt FY): Var/Balance:

% Expended (Crnt FY): Var/Balance:

8.3%

91.7%

5.3%

94.7%

Project Goal(s): Operation of the containment facility efficiently, safely, and in compliance with the discharge permit and regulatory requirements. To place the maximum amount of dredged material in the facility prior to the closure date.

Project Objectives:

- Operations of DMCF
- Complete Construction of and dedicate the South Cell Restoration Project
- HMI Well Monitoring Study, ensuring no migration of material is taking place
- Environmental Monitoring, meeting the discharge criteria
- Manage the area with 100-acre maximum pond size during inflow
- Development of a Filling Plan to maximize utilization of the North Cell
- Development of a closure plan for the North Cell

Project Status - Issues/Solutions (both required):

- **Temporary Berm Construction:** Current focus is dewatering and material recovery for the temporary berm construction which is approximately 62% complete. Placement of material in July has progressed mostly as planned but the temporary loss of end dumptrucks has occasionally slowed progress somewhat. A rental truck is still in use pending insurance settlement and receipt of a replacement for the articulated dumptruck involved in the accident. There was a minor problem with the rental unit which has been corrected and one other Volvo truck was down intermittently due to a shifting problem.
- **Spillways and Discharge:** The inspection staff is now on daylight operation for water discharge from the North cell due to inflow from Langenfelder Marine. (Lehigh Cement project- 40,000 CY). McClean Contracting is set up on site for the Baltimore County work (40,000 CY). No inflow occurred from this

Date: as of 7/31/05

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island DMCF

Task #, Name: _____

latter project as of this date.

• **South Cell:**

- Geo Con has completed almost all tasks and they have demobilized. The USACE is preparing a punch list for items that need to be corrected, prior to closing out the contract. Punch list items include:
- Ground cover did not initially prevent erosion and some washouts have occurred in the area of the footpath. Some repairs will be needed. MES is obtaining the cost of material (Flexterra etc.) for erosion repairs along the foot path. If this is not part of the Corps of Engineers contract warranty, MES will perform the repairs.
- The light poles were completed by Best Electric on 7/13/05.
- There is still an issue with the pole lights outside of the control building as to the pole size, which were damaged due to high winds.
- MES awarded the Spillway 3 reconstruction contract to Strum Engineering on May 2. Strum is now complete and in the process of cleaning up and demobilizing.
- HMI staff continues to monitor the water level in the cell.

The South Cell dedication is set for August 15 2005 & preparations are underway.

• **South Cell Spillway** – Work is now complete on contract repairs for the South Cell Spillway

- **Capital Equipment & Other Items:** There are two pieces of rental equipment on site - a dozer and a dump truck along with a short reach excavator on loan from Poplar Island.

Signature/Date: *Dave Biles* 8/15/2005
Project Manager

Project Status Report Form
Prepared by
Harbor Development

Project Name:
**Hart-Miller Island South Cell Environmental
Restoration Project (HMI SCERP)**

Project Manager:
David Bibo

Assignee(s) (Consultants/Contractors):
MES

Contract Period:
2002-2005

Budget Line #:
875

PIN #:
50130040

Contract #:
500607

Task #, Name:
HMI SCERP

Project Budget:
\$1,080,000 (Total)
\$214,627 (FY05)

Revisions:
None

Revision #:
None

% Complete – Work (Total):

% Expended - \$ (Total):

90%

80%

% Complete (Crnt FY): Var/Balance:

% Expended (Crnt FY): Var/Balance:

85%

44%

Project Goal(s):

Restore the Hart-Miller Island South Cell creating a habitat for migratory birds, consisting of mud flats, nesting island, and uplands.

Project Objectives:

- Provide habitat for migratory birds.
- Allow citizens to observe the birds from viewing areas

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Project Status - Issues/Solutions (both required):

Issues

- Gwen Meyer of the ACOE conducted a vegetation survey of the South Cell uplands. She provided the MPA with a Memorandum for Record (MFR) that recommended annual mowing in the South Cell uplands, mowing/mulching around woody shrubs and trees, and continuing control of the invasive species, *Phragmites*, and controlling pokeweed and mile-a-minute vine with a broadleaf herbicide.

Solutions

- MES conducted hand removal of a 1-acre plot of mile-a-minute and will be developing a plan of action to deal with invasive species within the South Cell. MES will conduct mowing and mulching in July. The future mowing, mulching and invasive species (other than *Phragmites*) tasks will be covered under the South Cell monitoring proposals that will be submitted annually.

Construction:

- Geo Con has completed almost all their tasks and they have demobilized.
- The USACE is preparing a punch list for items that need to be corrected prior to closing the contract. Punch list items include: ground cover replacement in some areas, repair of the walkway around the pond, and replacement of the light poles outside of the control building.
- MES is managing all repairs related to the spillway (003): the contract was awarded to Strum Contracting Company.
- During July, Strum completed the following tasks: framed the gates, installed new gates 4,5,6, installed baffles along column line 2, completed all structural steel work, re-ran conduit, finished sandblasting and coating, and cleaned up work area to begin demobilization.
- The electricians were on site to install power.

Environmental Monitoring:

- The SCERP is currently in Year 1 monitoring (November 2004-October 2005). The baseline monitoring year ended in November 2004. Interior water quality (MES) and interior sediment quality (UMCES) monitoring was conducted in the baseline year.
- MES is conducting Year 1 interior water quality monitoring. One set of samples was collected on July 22, 2005 from the pond in front of Spillway 3, the pond where the pump is located and at N. 265 in the Bay.
- MES finalized and distributed the consolidated monitoring report for the baseline year. This report included the UMCES and MES monitoring.
- UMCES submitted a proposal and cost estimate for the Year 1 monitoring. MES is currently reviewing the proposal and will develop a combined MES and UMCES proposal for review and approval in July 2005.
- The signs that will be placed around the restoration project were finalized at a meeting on July 18th.
- MES began assisting MPA with the preparations for the South Cell dedication ceremony, to be held on August 15, 2005.
- MES mowed around the trees and shrubs, as requested by Gwen Meyer, Corps of Engineers.

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Harbor Development

- MES began reviewing the amount of mulch that would be needed for the upland trees and shrubs.
- MES prepared and submitted the funding authorization request for Year 1 Monitoring of the South Cell to MPA.
- MES received approval from MPA for the authorization of funds for Year 1 Monitoring of the HMI South Cell and issued an IGA with the University of Maryland Center for Environmental Science.

Total Project Amount: \$1,800,000

Total Funding Allocated for Year 1 Monitoring: \$88,232.08

07/31/05 Invoice Amount: \$0.00 (Expenditures were not processed for the month of July while accounting set up the new subsidiary, 0308, with approved funds.)

Total Remaining as of 07/31/05: \$216,317.81

Signature/Date: *Dave Belis 8.24.05*
(Project Manager)

***** For Internal Use Only *****

POPLAR ISLAND ENVIRONMENTAL RESTORATION PROJECT

Environmental Monitoring Task Update

July 2005

All tasks included in this update (except where noted) are funded from the approved FY06 Poplar Island Environmental Restoration Project Operations and Monitoring Budget. Costs associated with specific Poplar monitoring tasks are tracked separately upon requested.

This update does not include MES activities associated with regular operations and crust management environmental monitoring.

Algae Monitoring

Algae monitoring began again in April 2005 and two sets of Poplar algae samples were collected this month. Additionally, 2 extra samples from Cell 3D were collected on the weeks when bi-weekly sampling was not occurring. Several samples had high levels of *Anabaenopsis milleri*, a blue-green filament that has been found to be toxic. June samples were sent out to test for toxicity, but the results have not yet been received.

MES Tasks for Reporting Period:

- Collected 2 sets of samples and delivered them to DNR lab for analysis.
- Collected 2 additional Cell 3D algae samples and delivered them to DNR lab for analysis.
- Continued updating the 2005 algae spreadsheet.

Future: Algae monitoring will continue until the end of October. The algae sampling spreadsheets and graphs will be updated and emailed out to the algae group periodically. If any species of concern are found in the samples, the project team will continue to be notified and proper precautions will be taken at the site.

Volatile Solids Study

Update: MES has almost completed the draft report on the volatile solids study. The report includes MDE's recommendations on interpretation of the data to assist in developing more realistic discharge guidelines based only on the sedimentological component of the total suspended solid analysis. MES presented the preliminary findings of this report to the WG on May 24th.

MES Tasks for Reporting Period:

- Finalize draft report.

Future: MES will finalize the data spreadsheets and report following-upon guidance received by MDE, and send the report to MPA and CENAB for their review.

**Habitat Development Framework/
Adaptive Management Plan (EPATS Task 46)**

Update - Habitat Development Framework (HDF): MES finalized the 2005 version of the HDF and distributed it to the Working Group at the May meeting. As the 2004 monitoring and habitat development studies are received, they will be reviewed and recommendations will be compiled for incorporation into the 2006 version.

Update - Adaptive Management Plan (AMP): MES continues to manage the AMP. Under the EPATS Agreement, progress on this task is reported in a separate progress report.

A request for proposals (RFP) for 2005/2006 support was advertised on 05/18/05. Proposals were due 06/03/05 and a vendor was selected.

Future: MES will continue to provide input to the Adaptive Management Plan and develop a proposal for 2005/2006 support.

Cell 4DX Monitoring (EPATS Task 40)

Update: Under the EPATS Agreement, tasks completed by UMCES for Cell 4DX are reported in a separate progress report. Sampling under the 2004 Cell 4DX Monitoring Plan continued until the end of October. MES is drafting the 2004 Cell 4DX Report, which includes incorporating the results of the UMCES study that ended in April 2005. At the February 2005 HSG meeting, the group agreed that monitoring of Cell 4DX did not need to be conducted in 2005, unless any issues with erosion, algae, fish or bird kills is noted.

MES Tasks for Reporting Period:

- Continued drafting 2004 Cell 4DX Report

Future: In August 2005, MES will finalize the 2004 Cell 4DX report.

Working Group (WG) Coordination

Update: MES has been providing all of the planning, coordination, handouts and meeting summaries, for the bi-annual working group and sub-group meetings. MES has also been drafting the monthly WG updates, as requested by CENAB and MPA. MES prepared the meeting summary for the May WG meeting that was held at MES Headquarters. MES held a tour of Poplar for the WG on July 19th.

MES Tasks for Reporting Period:

- Development of the June WG update.
- Coordinated and conducted WG tour of Poplar Island.

Future: MES will continue to provide monthly WG updates (for distribution by the Corps). There will be no habitat sub-group meeting in August, instead a monitoring sub-group meeting will be scheduled for September.

Poplar Exterior/Framework Monitoring

Update: MES has completed the contracting with EA Engineering to perform the 2005 monitoring for sediment, water and benthic monitoring. MES has also coordinated with the appropriate laboratories and the Maryland Geological Survey (MGS) for analysis of the sediment, water and tissue samples for the 2005 exterior monitoring event. Furthermore, MES continues to manage the contractor performing 2005 faunal monitoring per the monitoring framework plan, and assisting the Corps with the management of their exterior monitoring contractors (NOAA, USFWS, USGS-BRD).

Sediment quality monitoring was conducted on June 14th and the samples were delivered to MGS on June 16th. Water quality monitoring was conducted on June 15th.

MES Tasks for Reporting Period:

- Contract management for exterior monitoring (contracts managed by MES).
- Coordination with Corps for 2005 exterior monitoring studies.

Future: MES will continue to manage the appropriate contracts for the 2005 monitoring tasks. EA will perform the benthic community and tissue monitoring in the fall.

Cell 3D Monitoring

Update: Cell 3D was open to tidal flow on March 14th. MES finalized the MGS task to provide and install tidal gauges in the Cell. These were installed in June. The flow meter was received at the end of May and MES is working towards having installation completed by the middle of August.

MES drafted a scope of work, which covers the MES and UMCES Cell 3D monitoring. This proposal was approved by MPA in early July and all the contracting was finished by the end of the month. Starting in August, this work will be submitted under a separate progress report for EPATS Task 59. MES is working with CENAB to develop a supplemental monitoring plan for Cell 3D that will focus on the different planting areas and determine which planting methods, spacing, fertilizer rates, etc. are the most successful.

MES Tasks for Reporting Period:

- Continued working on installation and software for flow meter.
- Downloaded data from the tide gauges on a weekly basis and sent to CENAB.
- Completed contract paperwork for UMCES Cell 3D monitoring.

Future: MES will continue to implement the Cell 3D Monitoring Plan. MES will also work with CENAB to finalize the Cell 3D Supplemental Monitoring Plan. MES will continue to attend Cell 3D planting progress meetings and will have the flow meters installed. Data downloaded from the tidal gauges will be forwarded to the Corps weekly.

HART-MILLER ISLAND DMCF
Environmental Monitoring Task Update
July 2005

All tasks included in this update (except where noted) are funded from the approved FY 06 and FY07 Hart-Miller Island Operations and Monitoring Budget. Costs associated with specific HMI monitoring tasks are tracked separately upon request.

This update does not include MES activities associated with regular operations and crust management environmental monitoring.

Groundwater Study

Update: MES has reviewed the MGS groundwater study and forwarded the report to MPA for review and comment. MES has also been working with MPA to develop a plan for the future of the groundwater monitoring well study at HMI. MPA directed MES to coordinate with MDE to determine the feasibility of scaling back the groundwater monitoring program, and abandoning the "old" HMI groundwater wells that have been replaced by the wells installed for the 2002/2003 study.

MES Tasks for Reporting Period:

- Review of the MGS draft groundwater study report.
- Attended meeting on July 26th with MPA, MDE, and MGS representatives

Future: MES will continue to provide updates to the HMI Citizens Oversight Committee regarding the HMI groundwater study as requested. MES will follow up with MDE regarding proper closure of "old" monitoring wells and develop and implement a groundwater-monitoring plan incorporating the new wells.

Plan of Action (POA) to Control Low pH (EPATS Task 38)

Update: Additional subtasks were added to this task and it has evolved into the North Cell Closure Team (NCCT) support. Under the EPATS agreement, progress on this task is detailed in a separate progress report. Part of the NCCT tasks includes a sediment and vegetation monitoring effort in the South Cell. Per MPA, this effort is being performed under the HMI Operations and Monitoring budget and is detailed separately in this report.

Future: MES will continue to manage Task 38 and provide support to the NCCT. After August, the scope of work for Task 38 will be finished and work will continue under EPATS Task 60.

Vegetation (*Phragmites*) Monitoring

Update: Preliminary work on the procurement of the aerial spray has begun. A certified applicator will be obtained in August.

MES Tasks for Reporting Period:

- Researched best way to control invasive plants other than *Phragmites*.
- Mowed around South Cell trees the week of July 11th per Gwen Meyer's recommendations in the Memorandum for Record (June 14, 2005).

Future: MES will monitor progress of vegetation in South Cell upland areas that were seeded. MES will also continue preparing for aerial spray of Glypro[®] in late summer 2005. MES will receive MPA and MDA permission before spraying a broadleaf herbicide, other than Glypro[®], in the South Cell uplands and MES will develop a plan for controlling invasive plants such as pokeweed and mile-a-minute.

South Cell Monitoring

Update: One set of South Cell water quality samples was collected on 07/22/2005.

MES Tasks for Reporting Period:

- Water quality monitoring per HMI SCERP monitoring plan.

Future: MES will continue Year 1 water quality monitoring per the monitoring plan. MES will complete the Annual Consolidated Baseline South Cell Restoration Monitoring Report after the MDE exterior monitoring report is received and the information is reviewed and included. MES will also continue to prepare for pre-discharge sampling at Spillway 003.

North Cell Closure / Sediment Sampling

Update: After each inflow season, MES collects sediment samples in the North Cell and provides the MPA with a summary of the results of the North Cell sediment analysis. Due to the limited amount of inflow that was received in 2005, a reduced number of samples were collected on April 28, 2005. Data from this sampling event was received in June and a report is being compiled.

MES Tasks for Reporting Period:

- Continued updating North Cell sediment sampling results spreadsheet.
- Continued drafting North Cell inflow sediment report.

Future: MES will continue to compile the data from the sediment sampling conducted in April and will forward a summary of the results to the MPA in August. MES will also continue to assist the MPA and their consultants in preparing for the final years of inflow.

Discharge Permit

Update: MES continues to plan for the upcoming studies required by the new discharge permit. MES has begun working with EA Engineering for preliminary guidance on the required mixing zone study. A scope of work has been prepared and was sent to EA; MES is still awaiting EA's proposal. Per the permit requirements, MES prepared a nutrient reduction plan that was sent to

MPA in June for review and then forwarded to MDE. MES also provided MDE with the required permit study status update letters that were due in June.

In June, HMI had non-compliance for the interim monthly average zinc limit. MDE was informed and a Non-Compliance Report Form was filed with MDE on July 28th.

MES Tasks for Reporting Period:

- Submitted the nutrient reduction plan to MDE.
- Continued coordinating with sub-contractor for mixing zone proposal and cost estimate.
- Drafted and distributed compliance letter for interim limits to MPA and MDE (due every 6 months).
- Drafted and distributed South Cell silver and nickel sampling reduction letter to MPA and MDE.
- Drafted and submitted the permit required report reviewing the first year of discharge with the TSS and pH goals.
- Drafted and submitted the quarterly Discharge Monitoring Report.
- Semi-annual and annual bio-monitoring sampling were conducted on July 6th.
- Drafted and submitted non-compliance form for June monthly zinc average.

Future: A mixing zone study will be implemented in order to keep the interim limits for ammonia, copper and zinc that were assigned in the permit.

Algae Monitoring

Update: MES conducted two algae sampling sets on July 14th and 28th. Samples will continue to be collected bi-weekly through October and analyzed by DNR.

MES Tasks for Reporting Period:

- Sampling was conducted at 5 sites during both sampling events.
- Algae spreadsheet was updated.

Future: MES will continue to conduct bi-weekly algae sampling through October 2005. If anything of concern shows up in the analysis, MES will immediately notify MPA and MDE. The algae sampling spreadsheet will be sent out periodically to DNR and MPA.

South Cell Vegetation/Soil Monitoring

Update: MES completed the tasks associated with the South Cell Vegetation/Soil Monitoring Plan. Sediment sampling was conducted in March and an interim sediment sampling report was submitted to the North Cell Closure Team on May 4, 2005. The remainder of the sediment sampling (additional infiltration monitoring) was completed in June when the vegetation surveys were conducted and a draft consolidated report was submitted to the Team in July.

MES Tasks for Reporting Period:

- Completed Draft Consolidated Report for South Cell Soil and Vegetation.

Future: The final consolidated soil and vegetation report will be prepared in August.

North Cell (NC) Demonstration Plots

Update: At the March 31, 2005 NCCT meeting, the team decided to wait to discuss the development of the NC demonstration plots until the results of the South Cell sediment and vegetation survey data was received and reviewed. The test plot area has been selected and bermed off from inflow material.

Future: MES will work with the NCCT to determine how and when the demonstration plots will be built.

HMI 2006 Budget

HMI O&M

MARYLAND PORT ADMINISTRATION AND MES

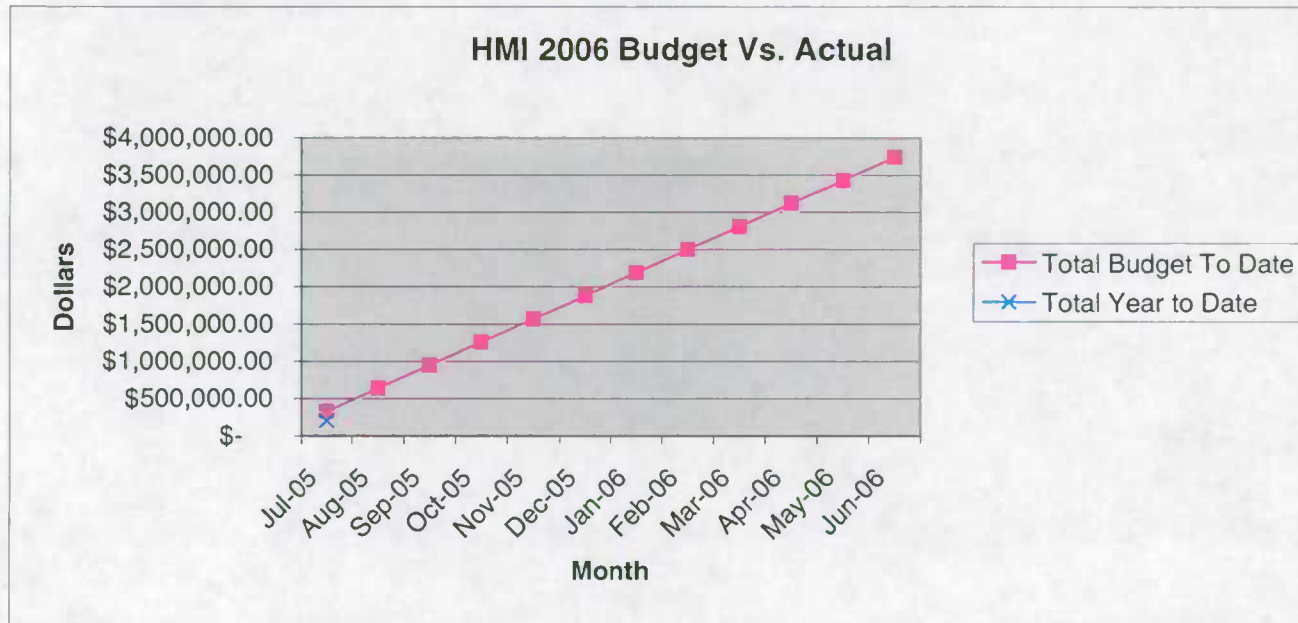
MES CLIENT CONTRACT #500828, PIN No. 54020020, MES Contract No. 84-03-19

Total Contract Amount \$ 3,716,000.00 Remaining \$ 3,518,493.69

| | | | |
|--------------------|-------|----|--------------|
| Prior Fiscal Years | FY 05 | \$ | 2,652,911.00 |
| | FY 04 | \$ | 2,197,738.00 |
| | FY 03 | \$ | 2,762,569.00 |
| | FY 02 | \$ | 4,669,333.00 |

| | Budget | Total Budget To Date | Invoice Amount | Total Year to Date | Actual % Expended | Time Expended |
|--------------|---------------|-------------------------|----------------|--------------------|----------------------|------------------|
| Jul-05 | \$ 309,666.67 | \$ 309,666.67 | \$ 197,506.31 | \$ 197,506.31 | 5.31% | 8.33% |
| August-05 | \$ 309,666.67 | \$ 619,333.34 | | | | |
| September-05 | \$ 309,666.67 | \$ 929,000.01 | | | | |
| October-05 | \$ 309,666.67 | \$ 1,238,666.68 | | | | |
| November-05 | \$ 309,666.67 | \$ 1,548,333.35 | | | | |
| December-05 | \$ 309,666.67 | \$ 1,858,000.02 | | | | |
| January-06 | \$ 309,666.67 | \$ 2,167,666.69 | | | | |
| February-06 | \$ 309,666.67 | \$ 2,477,333.36 | | | | |
| March-06 | \$ 309,666.67 | \$ 2,787,000.03 | | | | |
| April-06 | \$ 309,666.67 | \$ 3,096,666.70 | | | | |
| May-06 | \$ 309,666.67 | \$ 3,406,333.37 | | | | |
| June-06 | \$ 309,666.63 | \$ 3,716,000.00 | | | | |

HMI 2006 Budget



Project Status Report Form
Prepared by
Harbor Development

Project Name: Poplar Island Site Development

Task #, Name: _____

Project Name: Poplar Island Site Development

Project Manager: David Bibo

Assignee(s) (Consultants/Contractors): MES

Contract Period: 07/01/05-06/30/06

Budget Line # 910

PIN #: 51030040

Contract #: 502813

Task #, Name:

Project Budget (Total): \$4,720,000

Revisions:

Revision #:

July Invoice : \$360,115.63

Complete (Total): 5.7%

% Expended – 5.7%

% Complete (Crnt FY):

Var/Balance:

% Expended (Crnt FY):

Var/Balance:

8.3%

91.7%

5.7%

94.3%

Project Goal(s): Operation of the project efficiently, safely, and in compliance with the regulatory requirements. To manage the material placement for maximum capacity while meeting the objectives of the project. Development of viable environmental habitat.

Project Objectives:

- **Environmental Monitoring, meeting the discharge criteria.**
- **Prepare and maintain the infrastructure for long term sustained operations.**
- **Conduct operations in compliance with environmental concerns.**
- **Recover sand for future operations.**
- **Develop the wetlands into a viable habitat.**
- **Conduct tours and site visits to tell the Poplar Island success story.**

Project Status - Issues/Solutions (both required): The current focus of the facility is to dewater the cells that received inflow during the 04/05-inflow season and proceed with crust management activities in those cells. To monitor erosion throughout the island and repair dikes roads as needed.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Poplar Island Site Development

Task #, Name: _____

Crust Management and Drainage: Efforts continue on dewatering cells and releasing the post inflow settlement ponds. There were 6,030 linear feet of perimeter trenches excavated during July. The total trenching to date is 84,170 linear feet. Crust management is 43% completed based on an 8 month duration. A siphon was constructed in the south end of cell 2 to transfer ponded water from the last inflow into cell 3A, however, poor water quality has prevented the discharge of the water into the bay from cell 3A to date.

Cell 3D: MES continues to monitor the tidal exchange in cell 3D. Minor erosion is being addressed and will continue to require attention until the grasses planted for slope protection become better established. Environmental Concern continued to plant Cell 3D through the month of July and the planting is 100% complete as of the end of July. They will be monitoring the growth of the plants through the month of August and plan to plant woody shrubs in September.

Cell 5 Cross dike: Construction on the Cell 5 Cross Dike which was initiated in February 2005 was completed on July 7, 2005. 52,125 cu. yds. of fill material were ultimately hauled to complete this work. The dike has been raised to its final grade with the exception of an area on the southern end of the dike between the easterly turn and the southernmost turn of the dike. This portion of the dike is constructed over very unstable ground and, as the material was being placed on the dike at elevation 4.0, the base of the dike sank into the bottom of the cell. As a result, additional material had to be placed in this area to stabilize the foundation conditions in the cell. After this area was stabilized, the elevation of the cross dike was brought back to elevation 5.5. On-site MES personnel will continue to monitor this portion of the dike and further dressing of the area may be needed if rain-caused erosion of other foundation problems develop. A low area identified on the as-built survey between stations 18+00 and 22+50 was brought back to grade on 28-29 July.

Land base: MES personnel placed concrete parking bumpers around the perimeter of the new lot and will install wooden fencing along the North perimeter as soon as the plan is cleared with the owner. A walkway from the new lot to the area west of the MES trailer is also being discussed, provided the land owner will consent to it.

Cell 4DX: Improved weather during July provided the opportunity to complete the shaping of the 4DX cell. Environmental Concern planted the cell the 3rd week of July. Some of the planted areas have been slow to take root and some additional planting may be needed in these areas. MES and Environmental Concern are monitoring the situation.

Coaches Island: MES has stockpiled approximately 2,504 cu. yds. of sand in Cell 4A to be used on the Coaches Island beach replenishment, which was scheduled to start by contract in August. The bids for the planting phase of the contract are reasonable and within budget. The bids on the beach stabilization were all higher than estimated and, after review and discussion with MPA, it was determined that MES would perform this phase of the work with in-house personnel and a combination of rented and purchased equipment. MES has rented a pump and generator and constructed a staging area from which to perform this work. 1200' of plastic pipe and an electrical control panel were also purchased for this project. An existing amphibious excavator will be used to shape the sand on Coaches Island. Sand pumping operations are expected to start mid-August and to be complete within approximately 2 weeks.

Date: as of 7/31/05

Project Status Report Form
Prepared by
Harbor Development

Project Name: Poplar Island Site Development

Task #, Name: _____

Additional Highlights For July 2005

Mechanics Building: Consolidated Construction began work on the building on June 13, 2005 and completed construction on July 25, 2005. One remaining aspect of the project is to change out the garage door motor to a single phase, 220 volt motor that will be compatible with the electrical supply on Poplar Island.

Roadway Repairs: MES Operations has begun grading the roadways on Poplar Island in anticipation of doing a major roadway repair to the roads that run North and South around Cell 2 and the roadway running East and West from the personnel pier to the office area and mechanics shed. Roadway repairs are scheduled to commence in November 2005 after the initiation of inflow when manpower and equipment will be available for this work. The cost of CR-6 under the current contract with Langenfelder is \$19.22/ton. It is estimated that 6000 tons of CR-6 will be needed bringing material costs to \$115,320.00.

Land base: The boarding ramp design was finalized.

Operations Trailers on Poplar Island: Plans are being finalized to move the new conference trailer, the Corps of Engineers' trailer, headquarters trailer and the environmental trailer to a new location east of the proposed septic system for the complex. This move will maintain a view for the conference trailer after the closure of Cell 6 and the construction of the Cell 6 dikes. A new layout plan has been prepared, however, utilities relocations are necessary before this move can take place. Necessary repairs to improve the reliability, safety and efficiency of the electrical system will be investigated as part of this relocation.

Marine Safety Review: MES has received price proposals on a marine safety review of Poplar, HMI and Cox Creek. The price proposals were shared with MPA, the report will also be shared with MPA when it is received.

Signature/Date:

David Belts

8/15/05

Project Manager

Project Status Report Form
Prepared by MES for
Harbor Development

Project Name:

Poplar Island Environmental Restoration Project
(This project is included under MES Open Ended Consulting EPATs)

MPA Project Manager:

Dave Bibb

MES Project Manager:

Melissa Slatnick

Assignee(s) (Consultants/Contractors):

Maryland Environmental Service

Contract Period:

01/01/04 – 01/31/05

01/01/04 – 04/10/06 (Revised February 2005)

Budget Line #

PIN #:

Contract #:

Task #, Name:

1215

54000010

500912

#46, PIERP Adaptive
Mgmt. Plan (AMP)

Project Budget (Total):

\$292,019 (Total Budget)

\$214,367 (FY 2005)

\$85,864 (FY 2006)

Revisions:

None

Revision #:

N/A

% Complete (Total):

85%

% Expended (Total):

75%

% Complete (Crnt. FY): **% Var./Balance
(Crnt. FY):**

75% (Based on revised
SOW with most work re-
assigned to website task)

% Expended (Crnt. FY): **% Var./Balance:**

5%

95%

Project Goal(s):

- Continuation of services on the Poplar Island Adaptive Management Plan (AMP) and Project Management Plan (PMP).
- Development of the updated Poplar Island Habitat Development Framework (HDF).

Project Objectives:

- Provide technical support and contractor oversight for the continued development of the AMP and PMP.
- Provide revised drafts of the HDF.
- Provide support at the AMP team meetings and HDF development meetings (Habitat Sub-group Meetings).
- NEW: Implement a web-based system for adaptive management task database.

Project Status Report Form
Prepared by MES for
Harbor Development

Project Status – Issues/Solutions (both required):

• **Issues**

- Adaptive management tracking requirements are not being communicated to the appropriate MES staff in order to track progress and provide follow-up.
- CENAB does not have the time or resources to complete the existing task management worksheets.

• **Solutions**

- MPA and CENAB will try to clarify adaptive management requests and direct those requests to the appropriate MES staff. Darren Fisher will manage all construction and operation adaptive management tasks / project management tasks and Melissa Slatnick will manage all environmental adaptive management tasks.
- MES will work on updating the CENAB adaptive management worksheets as time and resources permit when the website is available.

NOTE: With the exception of the website development subtask, all work under EPATS Task 46 has been completed. Continued work on the Poplar Island Project Management Plan and Adaptive Management Plan will be completed under ERP Task 36 (approved by MPA in July).

• **MES Activities:**

- Contractor oversight and management for the remaining task of website development.
- Drafted June progress report; reviewed and approved subcontractor and client invoices.
- Continued to track habitat developments and monitoring results for inclusion in the 2006 version of the Habitat Development Framework (HDF).
- Forwarded a proposal to MPA on July 14, 2005 requesting approval for a new task (ERP Task 36) for continued project management and adaptive management support for Poplar Is. The task was approved by MPA on July 20, 2005 and the appropriate contractual mechanisms were initiated to procure the services of EA Engineering for the continued support.
- Began planning for a Monitoring Subgroup Meeting (planned for September 13, 2005).

• **EA Engineering, Inc. Activities:**

- Finalized task management database website based on MES input.
- Planned for a training meeting w/ MES to go through website and identify any possible errors.

• **Future Activities:**

- MES will continue managing EA and preparing the appropriate contract documents for the 2005/2006 support under the ERP task.
- MES will continue documenting adaptive management in the habitat development for the next HDF.
- MES will continue planning and preparation for a Monitoring Subgroup Meeting in September 2005.
- EA will finalize the website and give MES temporary access from August 12-26 for testing. After the MES testing phase, EA will develop user guides for the website and host a meeting for MES, MPA and CENAB training on the use of the website.

Project Status Report Form
Prepared by MES for
Harbor Development

Total Contract Amount: \$292,019
Total 07/31/05 Invoice: \$10,657.94
Total Amount Invoiced as of 07/31/05: \$218,057.93

Signature/Date: *Dave Belw 082405*
(Project Manager)

**POPLAR ISLAND ENVIRONMENTAL RESTORATION PROJECT
(PIERP)**

MONTHLY UPDATE

May 2005

**Editor: Mark Mendelsohn, United States Army Corp of Engineers, Baltimore District (CENAB)
Prepared by: Jennifer Harlan, Maryland Environmental Service (MES)**

Operations Update:

The Operations staff continues to aggressively dewater the site. Trenching continues, Cells 3B, 1A, 1B, 1C and 2 all have perimeter trenches dug and 2nd and 3rd passes over these established trenches are being conducted. Wetland cells 1C, 1A and 3B are priority cells and all water from these cells is being pumped into the adjacent wetland cells for holding until discharged.

During May, the Operations staff continued the construction of one of the interior cross dikes in Cell 5. This interior cross dike is being constructed to section off the deep borrow area from the rest of the cell. Sand was recovered from Cell 5 for use in this interior cross dike construction. Sand was also taken from the Cell 6 stockpile. By the end of the month, this cross dike was almost 90% complete. Grading of the dike between Cell 4D and Cell 4DX was completed in May. This area will be planted with the help of volunteer groups. Slope and washout repairs were conducted throughout the site.

Habitat Development Update:

Cell 3D:

The construction of Cell 3D has been completed. This cell was opened to tidal flow on the morning of March 14th. The planting contractor began mobilization in early May and started planting the bare root stock on the habitat island. MES Operations staff performed minor repair work in preparation for planting; dredged material from Cell 2 was used to fill in low spots in the upper marsh. Cell 3D was closed for 5 hours on the 19th so that Environmental Concern could conduct a survey of the low marsh area. The National Aquarium in Baltimore will coordinate the volunteer planting activities in approximately 6 acres in Cell 3D from June 16th - 24th.

Other Habitat Development:

FWS installed an infrared night vision camera in Cell 5 during May. This camera may be used to monitor tern-nesting areas for night predators. Snags were placed on the remnant island in Cell 1A and gull nest removal was conducted around the site. Field staff started repairs to the silt fence that is used to keep nesting terrapins out of Cells 4 and 5. A Working Group meeting was held on May 24th. Topics covered included: Cell 3D opening, Cell 3D supplemental monitoring, 2005/2006 inflow planning, PIES NMFS proposal, a general site and monitoring update, and 2004 nesting bird results.

Monitoring Update:

Discharge from PIERP continues to meet the Maryland Department of the Environment (MDE) water quality guidance; however there have been instances when certain parameters were recorded above the state water quality criteria at the spillways, 100-yd locations and the water quality reference point. Due to this, MES, MPA and MDE met in May 2004 and discussed options to address these issues. MES will continue following up on MDE guidance and will update the Working Group on any significant changes to the ongoing monitoring. MES received all of the data from the sampling conducted in August to determine how much of the turbidity in the effluent has a biological origin. This data has been reviewed and a report is drafted, however after discussions with MDE, MES will conduct more data interpretation before the report is finalized. Once finished, the Working Group will be updated on the findings.

Flora and Fauna:

Two bird censuses were conducted in May, one on the 9th and the other on the 26th. During the May 9th survey, 4,559 individuals were noted on the site. This included large numbers of least sandpipers, dunlins, semipalmated plovers, herring gulls and double crested-cormorants. There were 10,588 individuals noted on the site during the May 26th survey. During this survey there were significant number of double crested cormorants, semipalmated sandpipers, semipalmated plovers, least sandpipers, dunlins, short-bellied dowitchers and herring gulls. American black duck and bank swallow are new species confirmed nesting within the project site. Merlin, black-necked stilt, red knot (a rare species that is experiencing a decline in migratory numbers and receiving a lot of national and international attention), red-necked phalarope, black tern, savannah sparrow, and rusty blackbird were the top outstanding bird observations during May.

Safety:

As discussed at the Poplar Island Working Group meetings, to ensure that all activities occurring on the project site are coordinated and everyone is following the appropriate safety procedures, it is required that all guests contact the site to inform staff of a visit a day or so in advance. This would also be the appropriate time to set up any transportation that is needed. Also, if you bring your own boat to the island (again, please coordinate this ahead of time), you will need to go to the office compound and check in as soon as you get there. Everyone must sign in. For safety reasons, if you are by yourself, you will need to be accompanied by an MES employee for the time you are on the island. For those of you who might take boats into Cell 6, this also needs to be coordinated with someone at the facility. While visitors are welcome, normal operations duties may make it necessary to postpone certain visits if early enough notice is not provided.

Tours:

Currently the tour schedule is full through August. Please contact Chrissy Albanese (chrissyalbanese@earthlink.net) if you would like to schedule a tour.

Meetings held in May: Site Operations meetings and Cell 3D planting progress meetings on 5/12 & 5/26. PIES meeting on 5/4.

Poplar Island Expansion Study:

Work continued on the Supplemental EIS and General Reevaluation Report (GRR) which will be released to the public in the summer of 2005. The draft report was sent to the project delivery team for review in February. CENAB received an alternative proposal from NMFS and is still evaluating this newly proposed layout. Plan formulation to date is leaning towards a NE expansion of approximately 575 acres of which 25 acres will be a tidal gut. At least 50 percent wetlands is planned in the 550 acre vegetated area.

The Poplar Island Project website can now be accessed through the CENAB website at the following address: www.nab.usace.army.mil/projects/Maryland/PoplarIsland/index.html.

For further information please contact Mark Mendelsohn at (410) 962-9499 or electronically at mark.mendelsohn@usace.army.mil.

**POPLAR ISLAND ENVIRONMENTAL RESTORATION PROJECT
(PIERP)
MONTHLY UPDATE
June 2005**

**Editor: Mark Mendelsohn, United States Army Corp of Engineers, Baltimore District (CENAB)
Prepared by: Jennifer Harlan, Maryland Environmental Service (MES)**

Operations Update:

The Operations staff continues to aggressively dewater the site. Trenching continues, Cells 3B, 1A, 1B, 1C and 2 all have perimeter trenches dug and 2nd and 3rd passes over these established trenches are being conducted. Wetland cells 1C, 1A and 3B are priority cells and all water from these cells is being pumped into the adjacent wetland cells for holding until discharged. Water from Cell 1D is being pumped to Cell 1B through the Cell 1C trenches.

During June, the Operations staff continued the construction of one of the interior cross dikes in Cell 5. This interior cross dike is being constructed to section off the deep borrow area from the rest of the cell. By the end of the month, this cross dike was almost complete; on site staff were waiting on the results of a survey to determine if any additional material was needed. A significant amount of time was spent on slope and washout repairs throughout the site during June, due to a number of large rainstorms that occurred over the site. Construction of the maintenance building began in late June and will continue throughout the summer.

Habitat Development Update:

Cell 3D:

The construction of Cell 3D has been completed. This cell was opened to tidal flow on the morning of March 14th. Environmental Concern continued planting the marsh areas in June. The National Aquarium in Baltimore held volunteer planting activities in approximately 6 acres in Cell 3D from June 16th - 24th. MGS installed tide gauges at all 3 water quality sampling locations and in the low marsh zone. MES will download and maintain these gauges until November; all data is being sent to the Corps for review.

Other Habitat Development:

Field staff continued repairs to the silt fence that is used to keep terrapins out of Cells 4 and 5. Dr. Stephen Ailstock, Anne Arundel Community College, conducted a site visit in June to review the SAV growth in the notch and Cell 4DX. During his visit he saw some sporadic patches of grasses, but the tide was really too high for observation from the banks of the channels. He will come back later in the summer to conduct a more thorough survey. Based on his laboratory tests, the seeds used in the study are good and the germination rates are high.

Monitoring Update:

Discharge from PIERP continues to meet the Maryland Department of the Environment (MDE) water quality guidance; however there have been instances when certain parameters were recorded above the state water quality criteria at the spillways, 100-yd locations and the water quality reference point. Due to this, MES, MPA and MDE met in May 2004 and discussed options to address these issues. MES will continue following up on MDE guidance and will update the Working Group on any significant changes to the ongoing monitoring. MES received all of the data from the sampling conducted in August to determine how much of the turbidity in the effluent has a biological origin. This data has been reviewed and a report is drafted, however after discussions with MDE, MES will conduct more data interpretation before the report is finalized. Once finished, the Working Group will be updated on the findings.

Flora/Fauna Update:

Terrapins began nesting on the site and by the end of the month there were approximately 130 nests that had been located and marked. Gull and Canada goose control was implemented by APHIS in June. Mike Erwin and Jason Miller conducted site visits during June. There are approximately 400 common tern nests on the nesting island in Cell 3C. While no fox prints have been noted by anyone at the site, the infrared night camera showed a fox visiting that habitat island in the early morning hours. The nesting egrets are doing well and there are a large number of young on the remnant island is Cell 1A. Unfortunately there are 745 cormorant nests, up from 435 in 2004. This is an issue that may need to be addressed before the next nesting season.

There were two bird censuses conducted in June. During the June 6th census, 3,309 individuals were noted utilizing the facility. The majority of these individuals were common terns, herring gulls, semipalmated sandpipers and double-crested cormorants. During the June 17th census, there were 2,878 individuals noted at the facility. This number includes 1,321 double-crested cormorants and 120 European mute swans. There is a confirmed total of 19 species nesting in 2005 with cattle egrets, black ducks, and bank swallows as new species. Outstanding June bird observations included black-necked stilt, American avocet and black tern.

Safety:

As discussed at the Poplar Island Working Group meetings, to ensure that all activities occurring on the project site are coordinated and everyone is following the appropriate safety procedures, it is required that all guests contact the site to inform staff of a visit a day or so in advance. This would also be the appropriate time to set up any transportation that is needed. Also, if you bring your own boat to the island (again, please coordinate this ahead of time), you will need to go to the office compound and check in as soon as you get there. Everyone must sign in. For safety reasons, if you are by yourself, you will need to be accompanied by an MES employee for the time you are on the island. For those of you who might take boats into Cell 6, this also needs to be coordinated with someone at the facility. While visitors are welcome, normal operations duties may make it necessary to postpone certain visits if early enough notice is not provided.

Tours:

Currently the tour schedule is full through August. Please contact Chrissy Albanese (chrissyalbanese@earthlink.net) if you would like to schedule a tour.

Meetings held in June: Coaches Island replenishment pre-bid. Site Operations meetings and Cell 3D planting progress meetings on 6/9. Site Operations meeting on 6/24 and a Cell 6 Closure meeting on 6/2.

Poplar Island Expansion Study:

Work continued on the Supplemental EIS and General Reevaluation Report (GRR) which was released to the public this month. CENAB received an alternative proposal from NMFS and is still evaluating this newly proposed layout. Plan formulation to date is leaning towards a NE expansion of approximately 575 acres of which 25 acres will be a tidal gut. At least 50 percent wetlands is planned in the 550 acre vegetated area. There will be two public meetings held in July. One will be at the Easton Library on July 19th and the other will be at the Tilghman Island Elementary School on July 20th.

The Poplar Island Project website can now be accessed through the CENAB website at the following address: www.nab.usace.army.mil/projects/Maryland/PoplarIsland/index.html.

For further information please contact Mark Mendelsohn at (410) 962-9499 or electronically at mark.mendelsohn@usace.army.mil.

Poplar Site Development 2006 Budget

Poplar Site Development

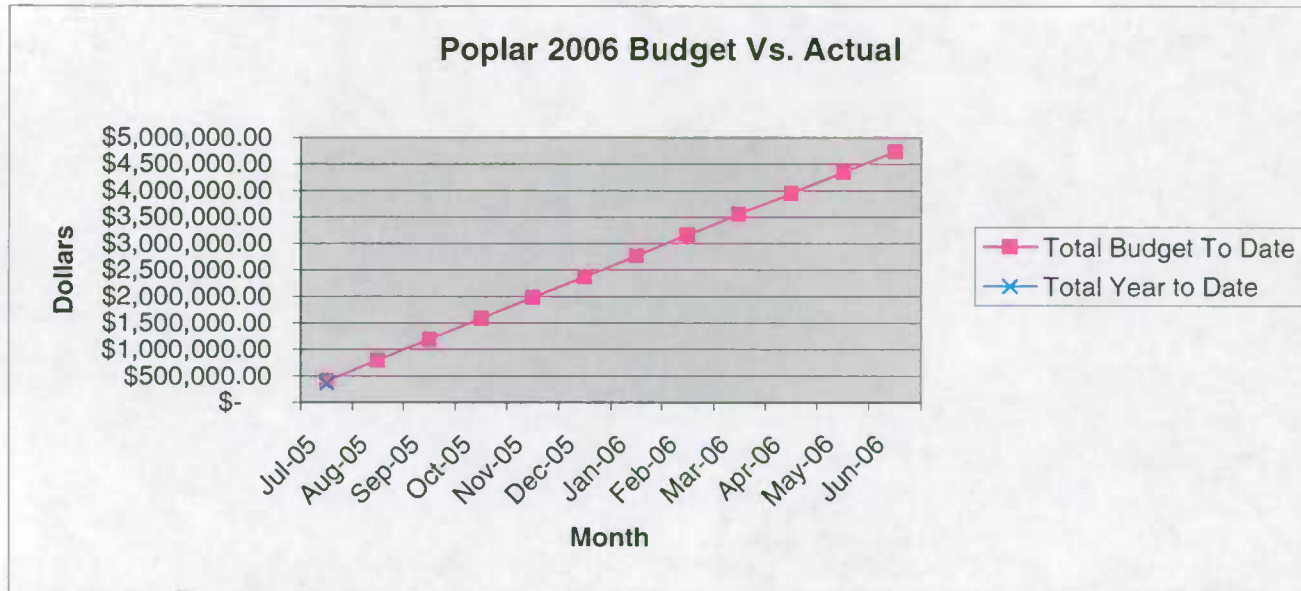
**MARYLAND PORT ADMINISTRATION AND MES
MES CLIENT CONTRACT #502813, PIN No. 51030040, MES Contract No. 02-07-20**

Total Contract Amount \$ 4,720,000.00 Remaining \$ 4,359,884.37

Prior Fiscal Years FY 02 \$ 4,471,535.00
 FY 03 \$ 6,528,383.00
 FY 04 \$ 3,980,057.00
 FY 05 \$ 4,755,291.00

| | Budget | Total Budget To Date | Invoice Amount | Total Year to Date | Actual % Expended | Time Expended |
|--------------|---------------|-------------------------|----------------|--------------------|----------------------|------------------|
| Jul-05 | \$ 393,333.33 | \$ 393,333.33 | \$ 360,115.63 | \$ 360,115.63 | 5.67% | 8.33% |
| August-05 | \$ 393,333.33 | \$ 786,666.66 | | | | |
| September-05 | \$ 393,333.33 | \$ 1,180,000.00 | | | | |
| October-05 | \$ 393,333.33 | \$ 1,573,333.33 | | | | |
| November-05 | \$ 393,333.33 | \$ 1,966,666.66 | | | | |
| December-05 | \$ 393,333.33 | \$ 2,360,000.00 | | | | |
| January-06 | \$ 393,333.33 | \$ 2,753,333.33 | | | | |
| February-06 | \$ 393,333.33 | \$ 3,146,666.66 | | | | |
| March-06 | \$ 393,333.33 | \$ 3,540,000.00 | | | | |
| April-06 | \$ 393,333.33 | \$ 3,933,333.33 | | | | |
| May-06 | \$ 393,333.33 | \$ 4,326,666.66 | | | | |
| June-06 | \$ 393,333.33 | \$ 4,720,000.00 | | | | |

Poplar Site Development 2006 Budget



Date: as of 07/31/05

Project Status Report Form
prepared by
Harbor Development

Project Name:

Cox Creek Spillways and Dike Raising to 24'

Project Manager:

Bill Lear

Assignee(s) (Consultants/Contractors):

MES/Cianbro/VSA

Contract Period:

Construction Contract – Contract extended to Dec 31, 2005

Budget Line #

995

PIN #:

53010040

Contract #:

501820

Task #, Name:

Project Budget (Total):

\$13,679,363.00

Revisions:

0

Revision #:

% Complete (Total):

100%

% Expended (Total):

98%

Complete (Crnt FY):

100%

Var/Balance:

0

% Expended (Crnt FY):

98%

Var/Balance:

2%

Project Goal(s):

Project Objectives:

Project Status - Issues/Solutions (both required):

Dikes should be at 24' by the beginning of September assuming continuation of good weather. VSA's Contract extended through Dec 31, 2005.

The spillway structures, pipe supports and piping are complete. All punch list items are complete except for replacing a small sections of grating on spillways 1 & 2. Last punch list item expected to be complete mid-August. All Contractor invoices paid. MES holding 5% retainage until punch list items are completed by Contractor.

Page 1 of 1

Signature/Date: _____
(Project Manager)

Project Status Report Form
prepared by
Harbor Development

Project Name:

Cox Creek Site Operations Assessment & Design

Project Manager:

Bill Lear

Assignee(s) (Consultants/Contractors):

MES

Contract Period:

Budget Line #

990

PIN #:

530000 40

Contract #:

596815

Task #, Name:

Project Budget (Total):

\$89,937 Original

\$1,443,892.22 w/ Revisions

Revisions:

\$ 4,200.00
 \$349,110.00
 \$105,214.85
 \$172,999.95
 \$483,078.00
 \$ 14,351.00
 \$225,000.00

Revision #:

1
 2
 3
 4
 5
 6
 7

% Complete (Total):

100%

% Expended (Total):

98%

% Complete (Crnt FY): Var/Balance:

100%

0

% Expended (Crnt FY): Var/Balance:

98%

2%

Project Goal(s):

Assisting MPA in preparing plans for the DMCF.

Project Objectives:

Developing a plan for activating the CDF and evaluation of geotechnical data to determine limits for dike raising and maximization of capacity.

Project Status - Issues/Solutions (both required):

Approximately \$10,000 left in Contract for permitting task. Moffatt & Nichol has open contract for permitting support but has performed no work on this Contract since Dec 2004.

Signature/Date: _____
 (Project Manager)

Cox Creek Site Development

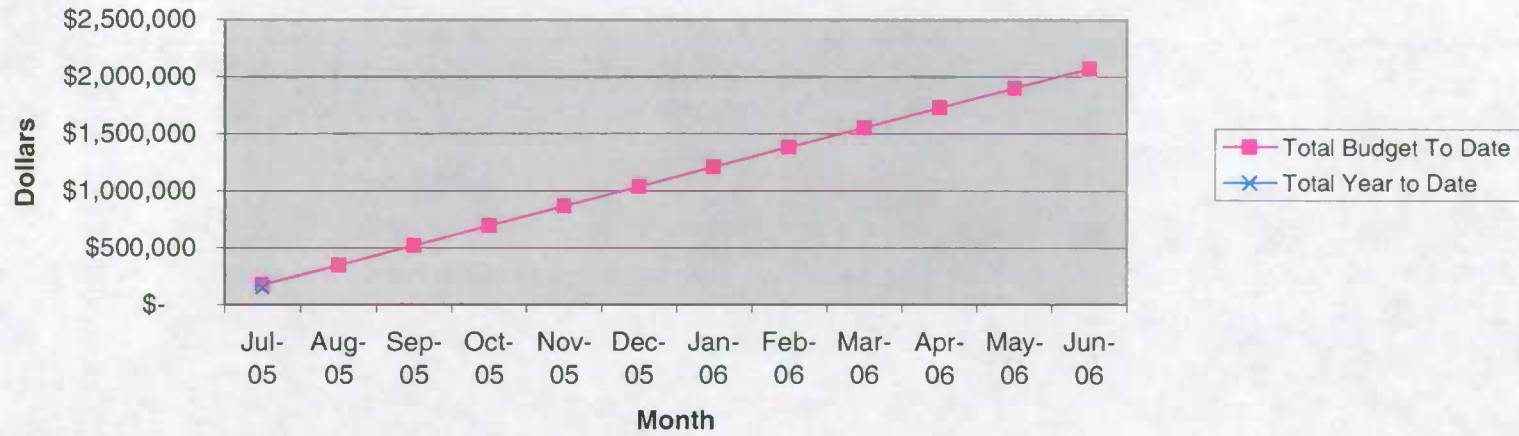
MARYLAND PORT ADMINISTRATION AND MES

MES CLIENT CONTRACT #504907, PIN No. 53050040, MES Contract No. 03-07-32

| | | | | | |
|-----------------------|-------|----|--------------|-----------|----------------|
| Total Contract Amount | FY 06 | \$ | 2,066,000.00 | Remaining | \$1,912,392.47 |
| Prior Fiscal Years | FY 05 | \$ | 3,356,446.00 | | |
| | FY 04 | \$ | 1,500,000.00 | | |
| | FY 03 | \$ | 1,037,151.00 | | |

| | Budget | Total Budget To Date | Invoice Amount | Total Year to Date | Actual Expended | Time Expended |
|--------------|------------|-------------------------|----------------|--------------------|--------------------|------------------|
| Jul-05 | \$ 172,167 | \$ 172,167 | \$ 153,608 | \$ 153,608 | 7% | 8% |
| August-05 | \$ 172,167 | \$ 344,333 | | | | |
| September-05 | \$ 172,167 | \$ 516,500 | | | | |
| October-05 | \$ 172,167 | \$ 688,667 | | | | |
| November-05 | \$ 172,167 | \$ 860,833 | | | | |
| December-05 | \$ 172,167 | \$ 1,033,000 | | | | |
| January-06 | \$ 172,167 | \$ 1,205,167 | | | | |
| February-06 | \$ 172,167 | \$ 1,377,333 | | | | |
| March-06 | \$ 172,167 | \$ 1,549,500 | | | | |
| April-06 | \$ 172,167 | \$ 1,721,667 | | | | |
| May-06 | \$ 172,167 | \$ 1,893,833 | | | | |
| June-06 | \$ 172,167 | \$ 2,066,000 | | | | |

Cox Creek Site Development 2006 Budget Vs. Actual



Project Status Report Form
prepared by
Harbor Development

Project Name:Cox Creek Unloading Pier and Dike Raising to 36'**Project Manager:**Bill Lear**Assignee(s) (Consultants/Contractors):**MES/M&N/Findling/Corman-Imbach**Contract Period:**Pier Construction Contract – 220 Working days Total- 52 Elapsed**Budget Line #**1025**PIN #:**53070040**Contract #:**505918**Task #, Name:****Project Budget (Total):**

\$3,116,562.00 July CIM Invoice - \$330,000.93

Revisions:

0

Revision #:**% Complete (Total):**

100%

% Expended (Total):

15%

Complete (Crnt FY): Var/Balance:

100%

0

% Expended (Crnt FY): Var/Balance:

15%

85%

Project Goal(s):

Efficient and safe construction of the Cox Creek DMCF Unloading Pier in accordance with the Contract Documents. Dike raising to 36' after completion of dike raising to 24'

Project Objectives:

Follow Sequence of construction as laid out on the Contract Documents
 Ensure all work is performed in accordance with the Contract Documents

Project Status - Issues/Solutions (both required):

Mobilization complete. Construction ongoing. Progress meetings held onsite 07/06/05 and 07/19/05. Test pile program completed with good results. Concrete piles being driven.

Meetings scheduled to finalize fixed operations pier option.

The Contract to raise the dikes to 36' is in development and expected to be ready to send out for bids in the beginning of 2006.

Signature/Date: _____
 (Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Cox Creek DMCF

Task #, Name: _____

Project Name: COX CREEK DMCF

Project Manager: Bill Lear

Assignee(s) (Consultants/Contractors): MES

Contract Period: 07/01/05 – 06/30/06

Budget Line #765

PIN #: 53050040

Contract #: 504907

Task #, Name:

Project Budget (Total): \$2,066,000

Revisions:

Revision #:

July Invoice: \$153,607.53

% Complete (Total): 7.4%

% Expended (Total): 7.4%

% Complete (Crnt FY): Var/Balance:

% Expended (Crnt FY): Var/Balance:

8.3%

91.7%

7.4%

92.6%

Project Goal(s): Operation of the containment facility efficiently, safely, and in compliance with the discharge permit and regulatory requirements. To prepare the site for the first placement cycle.

Project Objectives:

- Dike raising of both cells.
- Site preparation for initial inflow, to include; access channel dredging, spillway construction, facility support trailers and equipment, and unloading pier construction.
- Environmental Monitoring, submitting and receiving the discharge permit.
- Dewatering in preparation of future construction, within discharge criteria.
- Monitoring and maintenance of the Swan Creek mitigation site.

Project Status - Issues/Solutions (both required)

- **Material Dewatering:** The current focus of the operation is dewatering the cells, recovering and hauling material for construction of benches for dike raising. This has included trenching, liming of the water, creation of sumps, clearing and grubbing the site and pushing up material, allowing it to dewater and hauling it to the desired location.
- **Trailers:** MES staff has moved the furniture and supplies from the rental trailer over to the new trailer. The engineer trailer is the obligation of the vendor under contract to MES. Cianbro has moved out and that trailer's cost has been transferred to Cormin-Imbach Marine. The lab trailer from Hawkins Point has been moved to Cox Creek and is being outfitted.
- **Maintenance Shop:** A contract was awarded to Warren Ehret Co. for \$78,625 to replace the roof. Work is expected to be completed in August 2005.
- **Storm water drain system:** MES employees have excavated around one of the manholes in preparation to remove concrete debris. Once this debris was been removed, further unsuccessful attempts were made to vacuum & pump the storm water drain. As a result, a contract in the amount

Project Status Report Form
Prepared by
Harbor Development

Project Name: Cox Creek DMCF

Task #, Name: _____

of \$37,946 was awarded to East Coast Contracting to perform repairs to the storm drain system. Work is expected to begin in August 2005.

- **Electrical Work:** MES has issued small contracts to install electrical connections at the lab trailer, the construction trailer and the former scale house, which is now used for storage. The contractor was on-site in July and will be complete in August.
- **Water line** – MES provided estimates for replacing the water line on site, as well as up to Fort Smallwood Road. MES is also investigating the likely causes of an abnormally large water bill received for the facility and making plans to minimize the amount of such bills in the future.

Construction Status:

- **Dike:** Further dike raising to 24' has been resumed by MES and contractors from Colossal and VSA, utilizing a combination of MES employees and contractors. The work is currently being performed in the dry in the south cell with all ponded water being pumped to the north cell. The MES engineering division and A/E firms under contract to MES, with their geotechnical subcontractors, are overseeing the construction.
- **Spillway:** Construction is 100% complete, spillways are operational.
- **Dike Construction to 36':** MES plans to obtain a contract for equipment with operators, an ITB has been prepared, and is with Engineering. Will advertise in January/February 2006 with an anticipated award and planned start date of Spring 2006. Meanwhile, the existing contract with VSA is being extended through the fall to continue work until the new contract is awarded.
- **Pier Construction** – MES awarded the pier construction contract to Corman-Imbach. Plans and drawings were received and approved and the pre-construction meeting was held on 5/24/05. Concrete test piles were driven during July. MES will be contracting with Moffatt and Nichol for inspection of the pier installation and construction.

Swan Creek Wetland:

- Weekly beach clean ups are continuing.
- An evaluation of beach erosion in the wetland was received from Kevin Smith of DNR.
- Goose fencing repair is at approximately 75%.

Capital Equipment

- A fuel truck and new pick up truck have been purchased in FY 05, both were received.

Staffing

- Mr. Robert Natarian has been selected as the Operations Manager and will report to the Cox Creek facility in August.
- Additional interviews are planned for the vacant CDL-Equipment Operator position and a selection is anticipated in August.

Date: as of 07/31/05

Project Status Report Form
Prepared by
Harbor Development

Project Name: Cox Creek DMCF

Task #, Name: _____

Miscellaneous

- MES is working with MPA and an existing tenant to remove the Domino sugar byproduct off the road left behind by a previous tenant.
- Mitigation for the pier includes removal of asphalt on existing parking lot. This work is nearing completion, after removal of the asphalt, it will be placed on the exterior berm at Cox Creek. The newly pervious area will be filled with some of the stockpiled lime byproduct, possibly mixed with other materials, and seeded or planted.
- MES is investigating the history of and preparing the necessary applications for oil operations permits from MDE for all 3 DMCF's.

Signature/Date: Stanley J. Snarski 8/15/2005
Project Manager

Date: as of 07/31/05

Project Status Report Form
prepared by
Harbor Development

Project Name:

Cox Creek DMFC Repair of 48-Inch Storm Drain

Project Manager:

Bill Lear

Assignee(s) (Consultants/Contractors):

MES/East Coast

Contract Period:

Construction Contract – 60 Calendar Days Total- 0 Elapsed

Budget Line #

980

PIN #:

600105N

Contract #:

599805

Task #, Name:

Project Budget (Total):

\$36,946.00

Revisions:

0

Revision #:

% Complete (Total):

100%

% Expended (Total):

0%

Complete (Crnt FY):

100%

Var/Balance:

0

% Expended (Crnt FY):

0%

Var/Balance:

100%

Project Goal(s):

Efficient and safe repair of the 48-Inch Storm Drain at the Cox Creek DMCF in accordance with the Contract Documents.

Project Objectives:

Ensure all work is performed in accordance with the Contract Documents

Project Status - Issues/Solutions (both required):

Construction contract executed. Pre-construction conference set for 8/2/05.

Page 1 of 1

Signature/Date: _____
(Project Manager)

Cox Creek DMCF
Task Update
July 2005

****All tasks included in this update (except where noted) are funded from the approved FY 06 Cox Creek Operations and Monitoring Budget. Costs associated with specific Cox Creek monitoring tasks are not tracked separately, unless requested.****

Environmental Monitoring Tasks for Reporting Period:

Update: Monitoring activities at Cox Creek during the reporting period were based on the Cox Creek Discharge Permit. Beginning March 11, 2005, the spillways are being used for discharge and the Stormwater Monitoring Plan (2003) has been replaced with the State Discharge Permit.

With high copper and zinc concentrations occurring throughout the month, MES has been collecting additional daily grab samples and coordinating a 24-hour laboratory turn around time for results to assist in making operational decisions. There was no stormwater discharge during the month of July.

- pH monitoring in the South Cell Sump 1 Pond every hour.
- Maintained and calibrated lab and field equipment daily.
- Monitored the pH of the ponds in the North and South Cell daily.
- Transported daily and weekly samples to laboratory and compared the results with the discharge permit to maintain discharge.
- Hach kit tests were performed to test ammonia concentrations in the Sump ponds during discharge.
- Performed turbidity tests in the Sump ponds during discharge.
- Determined when and added lime to the North and South Cell ponds based on pH levels and metal concentrations.
- Compiled data into weekly, monthly and quarterly reports for stormwater management and wetland monitoring.
- Continued implementing the monitoring plan for the Swan Creek mitigation area.
- Maintained analytical databases.
- Ordered supplies for environmental monitoring.
- Started coordinating with seed companies to determine what data is needed for recommendations for a seed mix for the Domino Sugar byproduct pile.
- Pavement has been removed in one area in the industrial park for the pier mitigation.

Future: MES will continue the water quality monitoring and prepare the required reports. The Swan Creek Mitigation Area plan will continue to be implemented and monthly reports on the mitigation site will be submitted under separate cover. Removal of pavement in the pier mitigation area will continue.

Meetings, Tours & Events:

- 07/01/05 @ 05:30 a.m. Sue Ricciardi came out to observe birds in the Swan Creek Wetlands for the National Aquarium in Baltimore.
- 07/06/05 @ 08:30 a.m. - Cox Creek Operations Meeting - On-site.
- 07/06/05 @ 10:00 a. m. – Unloading pier construction progress meeting w/ Corman-Imbach Marine Inc. – Location On-site.
- 07/14/05 @ 16:30 p.m. - Linda Witherow with the Department of Agriculture came out to perform mosquito monitoring.
- 07/19/05 @ 08:30 a.m. - Cox Creek Operations Meeting - On-site.
- 07/19/05 @ 10:00 a. m. – Unloading pier construction progress meeting w/ Corman-Imbach Marine Inc. – Location On-site.
- 07/19/05 @ 10:30 a. m. – Water flow through cross dike meeting – Location: On-site.
- 07/22/05 @ 12:00 p.m. – Biohabitats came out to download data from the tidal gauges in the Swan Creek mitigation area.

Cox Creek Discharge Permit:

Update: The Cox Creek Discharge Permit became effective on December 1, 2004. A groundwater monitoring sampling plan was sent to MPA for review after which MPA will forward the plan to MDE.

Future Tasks:

A nutrient reduction plan is required 12 months after the first inflow.

Operations Tasks for Reporting Period:

Update: The MES operations group is currently conducting tasks which can be split into the following categories: general operations, equipment maintenance and repair tasks, site management, and other in an effort to prepare the Cox Creek site for future inflow operations.

Construction Activities (Weather Permitting):

- MES continued to dig trenches as needed for the flow of water towards the spillways in both cells. Trenches may need to be re-worked and/or moved in order to access suitable material.
- Suitable material continued to be pushed up, and MES continued to load dump trucks, moved material to dike raising locations, and handled material when dumped in dike raising location. Both VSA and Colossal workers were on site aiding in operational activities. Through August 4th, 2005 a total of 7,994 truckloads (110,614 cy) of material have been placed.
- Corman-Imbach Marine Inc. drove the test piles for the unloading pier on July 13th.

Equipment Maintenance and Repair Tasks:

- Daily operational maintenance performed on all heavy equipment.

- Daily servicing of 6" pumps.
- Water truck repairs were completed by mid-July and the truck was returned to the site.

Site Management and Other:

- Continue tracking assets and assigning appropriate I.D. tags (on-going process).
- Warren Ehret Company contracted to renovate the maintenance shop roof, completed work with the exception of a few minor items.
- Removing debris off the wetland area beach continues. Once the debris accumulation is enough to fill a container, MES will have a container delivered, load the accumulated debris, and remove it from the site.
- The lab trailer has been moved from Hawkins Point to Cox Creek. Floor repairs and painting are underway.
- At the request of the MPA, the issue of removing the pile of residue material from Domino Sugar is being addressed. MES will continue to handle the material on the road surface to keep the area clear for transportation purposes. MES is spraying the roads in this area daily to help with dust control.
- MES has been asked by MPA to look into the re-activation of the power sub station located on site. MES has contacted BG&E to begin the process of gathering information regarding resources, time line, cost, etc. for the re-activation of the sub station on site. MPA has contacted BG&E and provided the information necessary for BG&E to provide a cost proposal to MPA.
- Bids for the repairs to the storm drainage system have been received and the contract was awarded to East Coast Contracting, Inc for \$37,946 with a projected completion of 60 days.

Construction Activities for the Reporting Period:

Update: MES is conducting construction inspection, subcontractor management, and working on future construction procurements. In an effort to make this update as comprehensive as possible, also included are the tasks completed by various subcontractors during the reporting period.

The following construction activities were completed in July, 2005

- Bids for the storm drain cleaning were received and the contract was awarded to East Coast Contracting for \$37,946. Work is scheduled to begin in August.
- The contract for the new pier was awarded to Corman Imbach Marine Inc. Pre-casting the concrete columns for the pier was started. Test piles were driven in mid-July.
- The roof contract for the maintenance building was awarded to Warren Ehret Company with a bid price of \$78,625. Work is nearly complete.

*****INTERNAL USE ONLY*****

- Since MES has been able to get ahead of the pending water, additional staff and equipment via VSA were added to the site. In addition, MES is expected to add personnel in the way of operators to increase production on the +24 ft dike.
- Cianbro was nearly complete with the construction of Spillways #1 & #2, with the exception of the grating.

The following construction activities were on-going or upcoming in July, 2005

- Corman Imbach Marine Inc, will continue driving piles into August.
- Contract for the storm drains was awarded and work is estimated to begin by early August.
- The completion of the roof repairs is projected to be early August.

Date: July 31, 2005

Project Status Report Form
prepared by
Harbor Development

Project

Dredged Material Management Consulting - Dredging

Project Manager:

David Bibo

Assignee(s) (Consultants/Contractors):

Gahagan & Bryant Associates, Inc.

Contract Period:

July 2005

Budget Line #

1285

PIN #:

54100010

Contract #:

502820A1

Task #, Name:

Task 9 HMI Closure/Filling
Planning and Design

Project Budget (Total):

\$199,947

Revisions:

Revision #:

% Complete (Total):

65%

% Expended (Total):

65.96%

% Complete (Crnt FY):

60%

Var/Balance:

Favorable/40%

**% Expended
(Crnt FY):**

55.49%

Var/Balance:

Favorable/44.51%

Project Goal(s)

Hart Miller Island (HMI) will be closed for all placement of dredged material at the end of 2009 and final cap or cover material placement will begin at the end of 2007. GBA will participate in the planning and design for operations, placement and final filling, and closure for the HMI site.

Project Objectives:

GBA will provide qualified staff to assist the MPA with the following subtasks

- | | |
|---|--|
| 9.1) Operations/Placement Plans – Filling and Capacity Estimates | 9.4) Meetings and Site Visits |
| 9.2) Field Borings & Consolidation Estimates | 9.5) Construction Planning and Equipment Optimization |
| 9.3) Cap Closure Team | |

Analysis of potential inflow quantities underway. Projects and project quantities are updated as new information becomes available. Comparative analysis of interval survey data and capacity estimates being completed. Review of updated survey data and capacity analyses. Data analysis & report on consolidation of dredge inflow materials being prepared. Meetings with MES personnel conducted to coordinate inflow and operational plans. Review information and report data from MES opns.

Review plans and specifications for CENAB maintenance. Attend pre-bid mtg for same.

Draft report by OAS on closure has been submitted for review containing GBA input.

David Bibo 8-24-05

(Project Manager)

August 24, 2005

(Date)

Date: July 31, 2005

Project Status Report Form
prepared by
Harbor Development

Project

Dredged Material Management Consulting - Dredging

Project Manager:

David Bibo

Assignee(s) (Consultants/Contractors):

Gahagan & Bryant Associates, Inc.

Contract Period:

July 2005

Budget Line #

1285

PIN #:

54100010

Contract #:

502820A1

Task #, Name:

Task 12 Poplar Island Site
Operations – Lessons
Learned

Project Budget (Total):

\$80,000

Revisions:

Revision #:

% Complete (Total):

38%

% Expended (Total):

38.44%

% Complete (Crnt FY):

80%

Var/Balance:

Favorable/20%

**% Expended
(Crnt FY):**

41.00%

Var/Balance:

Favorable/59.00%

Project Goal(s)

GBA will review operational practices and procedures at Poplar Island upon request of the MPA and provide comments, recommendations and/or reports accordingly.

Project Objectives:

GBA will provide qualified staff to assist the MPA with the following subtasks

- 12.1)** Cell 3D Lessons Learned Report
- 12.2)** Construction Planning and Equipment Optimization
- 12.3)** Cell 5 Deep Hole Wetland Development Plan (Change Order No. 1)

Project Status - Issues/Solutions (both required):

On July 6, 2005, GBA attended a meeting at the MPA to discuss the future of the 3D Lessons Learned Report. MES and CENAB were also in attendance. An in-house draft of the Cell 5 Draft Filling Report was completed and is planned for distribution to the MPA by mid-August.

David Bibo 8.24.05

(Project Manager)

August 24, 2005

(Date)

Date: August 24, 2005

Project Status Report Form
prepared by
Harbor Development

Project

Dredged Material Management Consulting - Dredging

Project Manager:

David Bibo

Assignee(s) (Consultants/Contractors):

Gahagan & Bryant Associates, Inc.

Contract Period:

July 2005

Budget Line #

1285

PIN #:

54100010

Contract #:

502820A1

Task #, Name:

Task 10 Cox Creek
Operations & Filling
Planning & Design

Project Budget (Total):

\$118,183

Revisions:

Revision #:

% Complete (Total):

0%

% Expended (Total):

.00%

% Complete (Crnt FY):

0%

Var/Balance:

Favorable/100%

**% Expended
(Crnt FY):**

.00%

Var/Balance:

Favorable/100.00%

Project Goal(s)

Cox Creek Dredged Material Containment Facility will begin operations as early as the fall of 2005. GBA will participate in the planning and design for operations and placement for the Cox Creek site.

Project Objectives:

GBA will provide qualified staff to assist the MPA with the following subtasks

- 10.1)** Operations/Placement Plans – Filling and Capacity Estimates
10.2) Meetings and Site Visits
10.3) Construction Planning and Equipment Optimization

Project Status - Issues/Solutions (both required):

Review, redraft of Cox Creek Rules and Regs. Planning for inflow from Annapolis Harbor Project. Reviewed x-dike construction issues. Outline for filling plan in progress.

David Bibo 8.24.05

(Project Manager)

August 24, 2005

(Date)

Date: August 24, 2005
For Period: 7/01/05 - 7/31/05

Project Status Report Form
prepared by
Harbor Development

Project Name: EPATS TASK 2 – Technical Support

**Project Manager: MPA – Dave Bibo
MES - Cece Donovan**

Assignee(s) (Consultants/Contractors):
MES
General Physics

Contract Period: January 1999 – June 2007

Task Term: May 1999 – June 2007

Reporting Period: July 2005

| <u>Budget Line #</u> | <u>PIN #:</u> | <u>Contract #:</u> | <u>Task #, Name:</u> |
|-----------------------------|----------------------|---------------------------|-----------------------------|
| 1215 | 54000010 | 500912 | 0302 – Technical Support |

Project Budget (Total):

\$912,132

Revisions:

\$ 100,000 added 8/00
\$ 100,000 added 6/01
\$ 100,000 added 10/01
\$ 100,000 added 04/02
\$ 200,000 added 09/02
\$16,000 added 03/03
\$200,000 added 06/05

Revision #:

1
2
3
4
5
6
7

% Complete (Total):

Ongoing – tasks assigned as needed by MPA

% Expended (Total):

76.7%

% Complete (Crnt FY): **Var/Balance:**

% Expended (Crnt FY):18%

Var/Balance: 82%

Project Goal(s): To provide support to MPA for dredged material planning.

Project Objectives: To meet the general technical support needs of MPA for DMMP planning, innovative use projects, meeting facilitation, and project management.

Project Status - Issues/Solutions: MPA approved a no cost term extension for this task. The new term is through June 30, 2007.

Report Period: July 1 through July 30, 2005

July 2005:

- MES continued support to the DMMP process. No BEWG meeting was held in July, but MES continued to maintain the BEWG list serve and prepare for the July meeting.
- MES managed the General Physics contract for State DMMP meeting summaries, and incorporated edits into the Management Committee meeting summary.
- MES continued to manage the MPA/MES/MGS Coastal Geology Services IGA for MPA.
- MES performed project management duties related to record keeping, review, processing and recording of invoices and production of status reports.
- MES continued to refine EPATS Task closure and no cost extension information for MPA.
- MES evaluated proposal responses to the RFP for Public Involvement and Community Outreach to Environmental Projects and State DMMP Support.
- MES continued work on developing the Task 57— Port of Baltimore Air Emissions Regulatory Compliance Technical Support scope of work, proposal, and budget. MES is currently working with the subcontractor to find an acceptable MBE subcontractor.
- MES continued work on developing the Task 58—Cox Creek Innovative Use scope of work, proposal and budget.
- MES received MPA approval for Task 59—PIERP Cell 3D Sediment and Vegetation Monitoring.
- The selected candidate for EPATS Task 48 – Technical and Administrative Support to MPA Harbor Development to began work.
- MES assisted with assembling statistics and reviewing MPA comments on the draft Cox Creek Dredged Material Innovative Use Sediment Data Evaluation: An Evaluation of the Pennsylvania Springdale Mine Site Permit Limits to Maryland Dredging Data.
- MES began drafting the proposal for EPATS Task 61—Evaluation of Water Quality Issues.
- MES began drafting the proposal for EPATS Task 60--HMI North Cell Closure Support.
- MES continued to develop the EPATS Task 46—PIERP Adaptive Management proposal.

Future Work Anticipated in August 2005:

- MES will continue to support the State DMMP process. A BEWG meeting is scheduled for August 2.
- MES will continue work on EPATS Task 46—PIERP Adaptive Management, EPATS Task 58 – Cox Creek Innovative Use, EPATS Task 60--HMI North Cell Closure Support, and EPATS Task 61—Evaluation of Water Quality Issues.
- MES expects to transmit the Task 57— Port of Baltimore Air Emissions Regulatory Compliance Technical Support proposal package to MPA.
- MES expects to receive MPA approval of the Task 59—PIERP Cell 3D Sediment and Vegetation Monitoring proposal.

Invoiced for July: \$18,102.82

Invoiced to Date up to July 31, 2005: \$704,363

Remaining as of July 31, 2005: \$207,769

Signature/Date Paul Bilco 8.24.05
Project Manager

Project Status Report Form
Prepared by MES for
Harbor Development

Project Name:
EPATS Task 55: Swan Creek Tidal Monitoring

MPA Project Manager:
Dave Bibo

(This project is included under MES Open Ended Consulting EPATs)

MES Project Manager:
Melissa Slatnick

Assignee(s) (Consultants/Contractors):
Maryland Environmental Service

Contract Period:
03/07/05 – 10/31/05

Budget Line # **PIN #:**
1215 54000010

Contract #: **Task #, Name:**
500912 EPATS Task #55

Project Budget (Total):
\$29,914.97

Revisions: **Revision #:**
None None

% Complete (Total):

40%

% Expended (Total):

24%

% Complete (Crnt. FY): **% Var./Balance (Crnt. FY):**
40% 60%

% Expended (Crnt. FY): **% Var./Balance:**
1% 99%/\$22,786.48

Project Goal:

- To understand whether the single channel opening on the northern end of the mitigation site provides enough access for water level variation in the mitigation site to support the existing tidal wetland vegetation communities.

Project Objectives:

- To design a tidal flux monitoring plan.
- To obtain, install, and download three months of tide information within the wetland.
- To identify the tidal dynamics in the wetland, including tidal range and time for flood tide to progress from the inlet to the southern-most reach of the wetland, and estimate of the tidal prism and flushing characteristics of the wetland.

Project Status Report Form
Prepared by MES for
Harbor Development

Project Status – Issues/Solutions (both required):

- **Issues**
 - None
- **Solutions**
 - None required.
- **MES Activities:**
 - MES prepared a progress report for the month of June.
 - MES submitted the June progress report to MPA on July 15th.
 - MES reviewed and processed subcontractor and client invoices.
 - MES issued a no cost contract extension to M&N to complete the tidal data recording and reporting task.
- **Contractor (M&N / Biohabitats) Activities:**
 - Biohabitats continued to monitor the tidal gauges and coordinate with M&N.
 - M&N signed and processed the no cost contract extension with MES.
- **Future Activities:**
 - MES will process contractor invoices and develop the progress report for July.
 - Data collection will continue into August and a summary report with recommendations will be developed.

Total Contract Amount: \$ 29,915
Total July 2005 Invoice: \$215.86
Total Amount Invoiced as of 07/31/05: \$7,128.52

Signature/Date: Dave Bils 08 24 05
(Project Manager)

Project Status Report Form
Prepared by MES for
Harbor Development

Project Name:

EPATS Task 40: Sediment Monitoring and Plant Survival, Cell 4DX, PIERP
(This project is included under MES Open Ended Consulting EPATS)

MES Project Manager:

Jenn Harlan

Assignee(s) (Consultants/Contractors):

Maryland Environmental Service
UM Center for Environmental Science

Contract Period:

05/01/03 – 06/30/05

Budget Line #

PIN #:

Contract #:

Task #, Name:

1215

54000010

500912

EPATS #40
Sediment Monitoring & Plant Survival, Cell 4DX, PIERP

Project Budget (Total):

\$406,153 (Total Budget)
\$87,180 (FY06)

Revisions:

None

Revision #:

N/A

% Complete (Total):

100% (Total based on tasks complete, not amount invoiced)

% Expended (Total):

79%

% Complete (Crnt. FY): % Var./Balance (Crnt. FY):

100% (Based on work anticipated vs. completed in FY05)

% Expended (Crnt. FY): % Var./Balance:

.15%

99.85 5

Project Goal(s):

- To monitor the dredged material test plots in Cell 4DX to gauge the suitability of dredged material as a planting substrate by studying the sediment biogeochemistry, pore water biogeochemistry, suitability of the dredged material as a planting substrate and the success of the plants in the dredged material test plots.

Project Objectives:

- To monitor the dredged material test plots to quantify the degree of success in meeting the goals of the project for establishing healthy marshes. To monitor the dissolved phase of the water in the dredged material substrate. To conduct analysis on the solid phase dredged material substrate. To determine how the pore water and sediments are affecting the plant growth and success in the dredged material test plots. To evaluate the suitability of the dredged substrates in supporting marsh vegetation and compile a planting list of the most adapted marsh species to the dredged material.

Project Status Report Form
Prepared by MES for
Harbor Development

Project Status – Issues/Solutions (both required):

- **Issues**
 - None

- **Solutions**
 - None

This is the last progress report that will be sent on this task. UMCES has finished the Cell 4DX work and will be starting a new Task (EPATS Task 59) for the monitoring of Cell 3D.

- **MES Activities:**
 - Completed June progress report.

- **UMCES Activities:**
 - None

- **Future Activities:**
 - None

Total Contract Amount: \$406,153
Total Amount of 07/31/05 Invoice: \$ 269.42
Total Amount Invoiced as of 07/31/05: \$319,242.11

Signature/Date Dave Bibo 082405
(Project Manager)

PROGRESS REPORT

Project: OPEN-WATER PLACEMENT SITE 92 Period: July 2005

MPA Contract No.: 599910

MPA PIN: 521100-40

CENAP Contract No.: DACW61-03-C-00031, Option Year 1

MPA Contract Amounts:

Year 3: \$157,430.09

Year 4: \$162,130.72

Year 5: \$164,790.13

Year 6: \$122,424.27

Year 7: \$118,680.93

A. Site Management

A. MES did not perform any activities under this task during the month of July.

B. Consolidation and Resuspension

1. MGS reviewed and made final edits to the draft Year 6 Placement, Consolidation, and Erosion (PCE) Study Report.
2. MGS forwarded the final PCE Study Report to MES for distribution to the Principal Investigators (PI) Team.
3. MGS worked up the Year 7 three-month post placement survey with tidal corrections.
4. MGS continued to analyze survey and sediment data collected to date (Year 7).
5. MGS forwarded four figures on Year 7 placement to include; (1) completion, (2) one-month, (3) three-month and (4) three-month bathymetric survey figure with the Year 8 placement zone to MES for distribution to the Principal Investigators (PI) Team.
6. MGS participated in the July 21st PI Team meeting conference call.
7. MGS submitted a progress report for the month of July on August 3rd.

C. Benthic Community Evaluation

The benthic community evaluation will not be performed until approximately 18 months after the end of all placement activities at Site 92.

D. Technical Support

1. MDE participated in the April 1st Contractor/Team meeting conference call.
2. MDE attended the April 11th PI Team meeting.

3. MDE reviewed the draft meeting summaries from the April 1st Contractor/Team meeting and April 11th PI Team meeting.
4. MDE reviewed the draft Year 6 Placement, Consolidation, and Erosion Study Report.
5. MDE reviewed the draft Year 7 Site Management Report.
6. MDE reviewed the draft Year 6 Comprehensive Monitoring Report.
7. MDE held internal meetings to wrap up Year 7 discussions and plan for future dredging activities at Site 92.
8. MDE submitted a quarterly status report to MES for the months of April, May, and June on July 20, 2004.

E. Technical Integration

1. MES coordinated studies and principal investigators to maximize efficiencies and exchange information during the study period.
2. MES communicated with principal investigators as necessary to review findings of the studies and to coordinate activities.
3. MES reviewed the final Year 6 Placement, Consolidation, and Erosion (PCE) Study Report for use in the Year 6 Comprehensive Monitoring Report.
4. MES incorporated comments on the draft Year 6 Comprehensive Monitoring Report and distributed the final Year 6 Comprehensive Monitoring Report to the Principal Investigators (PI) Team on July 8th.
5. MES submitted Hart-Miller Island weather data to MGS on July 21st.
6. MES provided overall program QA/QC to ensure that project elements met stated technical objectives.

F. Project Management

1. MES coordinated with MGS for submittal of the June project status report.
2. MES coordinated with MDE for submittal of the quarterly (April – June) progress report.
3. MES distributed the final meeting summary for the April 11th Principal Investigator Team meeting on July 21st.
4. MES prepared and distributed a draft agenda for the July 21st PI Team meeting on July 20th.

5. MES prepared for and conducted a PI Team meeting conference call on July 21st.
6. MES tracked and processed client invoices.
7. MES monitored progress on all work tasks and informed the clients on its status.
8. MES submitted a monthly status report for the month of June on July 15, 2005 to MPA and CENAP.
9. MES submitted a monthly financial report to MPA for the month of June on July 15, 2005.

G. Turbidity Plume Monitoring

Turbidity plume monitoring is conducted only when placed materials exceed the authorized elevation of -14 MLLW and dragging is determined necessary. The final elevation at Site 92 was evaluated at the April 1st Contractor/Team meeting and the Study Team determined that dragging was not necessary and thus Turbidity Plume Monitoring is not necessary for Year 7.

Project Status Report Form

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Project Name:

MPA-MES-Maryland Geological Survey (MGS) 3-Way Coastal Geology Services IGA

(This project includes no billings by MES. All MES labor associated with this contract is billed through EPATs Task 2 or the cost center the services are associated with, through prior arrangement and with approval by MPA.)

MPA Project Manager:

Dave Bibo

MES Task Manager

Melissa Slatnick

Assignee(s) (Consultants/Contractors):

Maryland Environmental Service
Maryland Geological Survey

Contract Period:

April 3, 1996 Through Dec 31, 2006

Budget Line #

PIN #:

Contract #:

Task #, Name:

1230

54010510

596924

Project Budget (Total):

Revisions:

Revision #:

\$300,000 (Original)
\$600,000 (Revised Total)
\$900,000 (Revised Total)

\$300,000
\$300,000

1
2

% Complete (Total):

% Expended (Total): 53%

69% (based on amount committed not invoiced)

Invoiced directly to MPA

% Complete (Crnt. FY):

% Rem. (Crnt. FY):

Expended (Crnt. FY):

Balance:

NA

NA

Invoiced directly to MPA

\$618,813 committed to tasks.
\$281,187 uncommitted to tasks.

Project Goal(s): To provide coastal geology services to Port-related projects by the Maryland Geological Survey, with technical oversight by MES.

Project Objectives: To provide coastal geology services to the Dredged Material Management Program and Port related projects. To support environmental monitoring and documentation of MPA projects associated with Port activities, dredging projects, and environmental restoration projects and alternatives.

Project Status - Issues/Solutions (both required):

• Issues

- None.

Solutions

- None required.

Project Status Report Form
Prepared by
Harbor Development

- MES Activities
 - Prepared the June progress report.

- MGS Activities
 - Please see attached MGS July Activity Report.

- Future Activities
 - MES will draft a letter for MPA and MGS signature indicating a closure of Tasks 22, 24, 25, 27, 29, 31, 32 and 33 and approval to return unused funding in those tasks to the overall agreement to be available for future approved tasks.

Signature/Date Dave Bulro 08 24.05
(Project Manager)

Project Status Report Form
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Harbor Development

Monthly Activity Report
July 2005

*Task Numbers 22, 24, 25, 27, 29, 31, 32 and 33 are closed.

| <u>Task Number</u> | <u>Task Name</u> | <u>Activity</u> |
|--------------------|---|---|
| 21 | James Island Survey and Interpretation | No activity is currently required on this task. The task is being held open pending any additional participation required by MGS. |
| 23 | Barren Island Acoustic Survey | No activity is currently required on this task. The task is being held open pending any additional participation required by MGS. |
| 26 | James Island Acoustic Survey | No activity is currently required on this task. The task is being held open pending any additional participation required by MGS. |
| 28 | Sparrows Point Acoustic Survey | No activity is currently required on this task. The task is being held open pending any additional participation required by MGS. |
| 30 | HMI Anoxic Well Monitoring | Draft report submitted in March 2005. Awaiting comments from MES to finalize report. |
| 34 | Poplar Sediment Chemistry 02/03 | Work is complete and report was received. |
| 35 | DMMP Support | Jeff Halka attended and gave a presentation at the CAC meeting and attended a Harbor Team Meeting. |
| 36 | NOB 8-10 Resurvey | Work has been completed but not invoiced. |
| 37 | Poplar Island-Isabel Oysters | Work has been completed but not invoiced. |
| 38 | Poplar Island-Isabel Sediment Chemistry | Work has been completed but not invoiced. |
| 39 | Poplar Island Sediment Chemistry 2004 | Work has been completed, awaiting report. |
| 40 | Poplar Island Tide Gauges | Work has been completed but not invoiced. |
| 41 | Poplar Island Sediment Quality 2005. | Samples were received in July. |

Project Status Report Form
Prepared by
Harbor Development

Project Name: Analysis of Emissions from Ship & Port Operations – Study Phase II

Task #, Name: #15, Analysis of Emissions from Ship & Port Operations – 2ndPhase

Project Name:

MPA Project Manager:

Analysis of Emissions from Ship & Port Operations – Third Phase

(This project is included under MES Open Ended Consulting EPATS)

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Contract Period:

Maryland Environmental Service/Edwards & Kelcey (E & K)

12/15/00-12/31/05

| Budget Line # | PIN # | Contract # | Task #, Name: |
|----------------------|--------------|-------------------|--|
| 1215 | 54000010 | 500912 | #15, Anal. Of Emissions from Ship & Port Ops. –3rd Phase |

Project Budget (Total):

Revisions: Revision #:

\$174,131

Task Balance:

\$27,871

% Complete-Work (Total):

% Expended (Total):

90%

83.99%

% Complete (Crnt. FY) % Var./Balance (Crnt. FY):

% Expended (Crnt. FY)

% Var./Balance

30%

70%

21.16%

78.84%

Project Goal(s):

- To produce a report on air emissions from Port activities, to assist the Port in decision-making regarding air quality issues and regulation on the Baltimore non-attainment area.
- To produce a report on objective and criteria for selecting and prioritizing emission reduction measures related to emissions from shop and MPA operations in the Port of Baltimore.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Analysis of Emissions from Ship & Port Operations – Study Phase II

Task #, Name: #15, Analysis of Emissions from Ship & Port Operations – 2ndPhase

- To produce a report on possible demonstration scale implementation of catalytic after-treatment technologies on tugboats operating in the POB; and to investigate idle reduction technologies for intermodal trucking operations serving the POB.

Project Objectives:

- To gather information on air emissions from Port activities.
- To investigate and identify possible targets for reductions in air emissions from Port activities.
- To produce reports that can be management tools in identifying objectives and criteria to reduce emissions from Port activities.

Project Status – Issues/Solutions (both required):

MES Tasks – July 2005:

- MES coordinated attendance and began meeting preparation for an air emissions strategy meeting scheduled for June 20. This meeting was later cancelled.
- MES coordinated with MPA regarding MES and subcontractor attendance to the Air and Waste Management Professional Association brown bag lunch to be held at Seagirt Terminal on July 28, 2005.
- MES performed project management and subcontractor oversight duties.
- MES attended an air emissions strategy meeting on July 15.

E&K Tasks—July 2005:

- Coordinated and managed telephone survey performed by WAE.
- Developed the draft report for telephone survey results of tugboat and trucking fleet operators and submitted for review and comments.
- Attended the July 22 meeting regarding setting up Phase III scopes of work; data collection on Port trucking operation and emission inventory from MDE.
- E&K presented Air Study information at the Air and Waste Management Professional Association brown bag lunch to be held at Seagirt Terminal on July 28, 2005.

Probable Future Work:

- MPA has requested that E&K and MES attend unanticipated meetings regarding air emissions technologies and compliance (March 16, April 8, April 19, July 28). The original scope of the project proposed two status

Project Status Report Form
Prepared by
Harbor Development

Project Name: Analysis of Emissions from Ship & Port Operations – Study Phase II

Task #, Name: #15, Analysis of Emissions from Ship & Port Operations – 2ndPhase

meetings, and the additional meetings were not included in the original Task 15 budget estimates. MES will submit a request to MPA for additional funds to cover MES costs of attending and producing meeting summaries for these meetings. MES will also be sending a draft revised Task 15 subcontractor Scope of Work to MPA for approval. The revised Scope of Work will revise the E&K tasks to include meeting attendance and research performed for the Phase 3 Air Emissions Study. The revised Task 15 scope will not Phase 3 Air Emissions Study report drafting.

- MES will be preparing a proposal, scope of work, and cost estimate for a new EPATS Task (57) for technical support for any additional air emissions compliance sub-tasks or meetings. This new task will be contracted through the A/E shortlist. It is expected that drafting of the Phase 3 Air Emissions Study report will be performed by E&K under the Subcontractor Supplemental Services subtask.

Issues/ Concerns:

- MPA has extended the Phase 3 air Emissions Study report due date to September 30. The draft report will be distributed at a briefing to be held on September 7.

Signature/Date:  09/06/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island Ph Study
Task #, Name: #38, Hart-Miller Island Ph Study

Project Name: Hart-Miller Island Ph Study
MPA Project Manager: Nathaniel K. Brown

Assignee (s) Consultants/Contractors): Maryland Environmental Service
Contract Period: 2/01/03-06/30/05

| Budget Line # | PIN # | Contract # | Task #, Name: |
|---------------|----------|------------|----------------------------------|
| 1215 | 54000010 | 500912 | #38, Hart-Miller Island Ph Study |

Project Budget (Total): \$243,220
Revisions: Revision #:

Task Balance:
\$37,567

% Complete-Work (Total): 100%
% Expended (Total): 85.86%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): | % Expended (Crnt. FY) | % Var./Balance |
|-----------------------|----------------------------|-----------------------|----------------|
| 100% | 0% | 2.88% | 97.12% |

Project Goal(s):

- To review existing and potential conditions in dredged material containment that may cause acid forming conditions and to assess potential laboratory and pilot tests to aid in the design of site management and operational procedures to manage and control the acid forming conditions.

Project Objectives:

- To identify and assess existing and potential conditions that may cause acid forming conditions at HMI.
- To identify and assess dredging and dredged material containment operations that may cause acid forming conditions at HMI.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Hart-Miller Island Ph Study

Task #, Name: #38, Hart-Miller Island Ph Study

- Identify and quantify contaminant transport via pathways of runoff and leachate using the results of ongoing studies at HMI.
- Identify and assess the suitable solutions for the management and control of acid forming conditions; and to identify and assess potential laboratory and pilot tests to aid in the design of site management and operational procedures to manage and control Ph formations.

Project Status – Issues/Solutions (both required):

Issues

- During the month of July, OA Systems performed additional work on this project that was intended to be completed in August/September when a new EPATS Task (Task 60) was available. This progress report does not reflect OA Systems' tasks during July because they were done independently for MPA outside the scope of EPATS Task 38.

Solutions

- MES advanced the schedule for the development of EPATS Task 60.

NOTE: With the finalization of the subcontractor's White Paper, all work under EPATS Task 38 has been completed. Continued work supporting the planning for the North Cell closure will be conducted under EPATS Task 60, which will commence in August 2005.

MES Activities:

- Prepared June progress report and reviewed client and subcontractor invoices for accuracy.
- Coordinated with MPA regarding future of the North Cell Closure Team (NCCT).
- Prepared meeting summary for 06/14/05 NCCT Working Group meeting.
- Completed the *Draft Comprehensive Report: Soil and Vegetation Survey for the Hart-Miller Island DMCF*. The report was submitted to the NCCT on July 29, 2005.

Contractor (M&N / OAS) Activities:

- Coordinated data exchange for final input to White Paper and prepared project status report.

Project Status Report Form
Prepared by
Harbor Development


Project Name: Hart-Miller Island Ph Study

Task #, Name: #38, Hart-Miller Island Ph Study

Future Activities:

- MES will finalize the comprehensive soil and vegetation report in August.
- MES will attend the MPA's North Cell closure meeting on August 8, 2005.
- MES will plan a NCCT and NCCT WG meeting on September 8, 2005.
- MES will continue planning for the North Cell closure demonstration plots, pending input from the NCCT and NCCWG.
- MES will submit a proposal to MPA for continued support for the NCCT (Task 60).
- MES will review the final White Paper and distribute to the NCCT and NCCT WG for comment.

Signature/Date:


(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: MPA Project Manager:

Poplar Island Expansion Feasibility Study
(This project is included under MES Open
Ended Consulting EPATS) Nathaniel K. Brown

Assignee (s) Consultants/Contractors): Contract Period:

Maryland Environmental Service 08/01/03-06/30/06

| Budget Line # | PIN # | Contract # | Task #, Name: |
|---------------|----------|------------|--|
| 1215 | 54000010 | 500912 | Task #44, Poplar Island Expansion Feasibility Study |

Project Budget (Total): Revisions: Revision #:

\$117,752

Task Balance:

\$27,459

% Complete-Work (Total): % Expended (Total):

85% 76.68%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): | % Expended (Crnt. FY) | % Var./Balance |
|-----------------------|-------------------------------|--------------------------|----------------|
| 85% | 15% | 9.39% | 90.61% |

Project Goal(s):

- To consider alternatives to expand the existing dredged material capacity at the existing Poplar Island Environmental Restoration Project, as well as other environmental and recreational improvements.

Project Objectives:

- This study will take into account modifications to the existing Poplar Island Environmental Restoration Project. Potential modifications could include: raising the existing dikes around the upland cells, constructing an expansion of the project footprint, environmental enhancements on the island and within Poplar Harbor, increased recreational opportunities, redefining criteria for placement of dredged materials at Poplar Island.

Project Status Report Form
Prepared by
Harbor Development

Project Name: Poplar Island Expansion Feasibility Study
Task #, Name: #44, Poplar Island Expansion Feasibility Study

Project Status – Issues/Solutions (both required):

Subtask 44.1 Task Planning, Technical, Environmental and Administrative Services for the Poplar Island Expansion Project Management Plan Feasibility Studies (MES)

- MES attended the July 8th meeting to prepare for the public meetings.
- On July 7th, MES received a May status report from EA.
- MES submitted a monthly status report to MPA on July 14th.
- MES attended the July 19th and 20th public meetings and assisted with preparation as needed.
- MES reviewed the Draft PIES SEIS.
- On July 26th, MES submitted the draft letter for MPA to MDE to justify expansion of Poplar Island beyond what MDE believes may be the original footprint of the island, and in compliance with COMAR.
- MES coordinated with MPA and EA to ensure that EA had sufficient funds to complete work on this task.

Future Work Anticipated in August:

- MES will complete their review of the Draft PIES SEIS and submit comments on the document to EA.
- MES will submit a monthly status report in mid-August.

Subtask 44.2 Poplar Island Expansion Feasibility Project Management Planning Support (EA/GBA):

- On July 8th, EA submitted the monthly status report to MES and provided general management of the task.
- EA attended the July 8th meeting to prepare for the public meetings.
- EA attended the July 19th and 20th public meetings.
- EA reviewed the Draft PIES SEIS.

Future Work Anticipated in August:

- EA will submit a monthly status report for the month of July in early August.

Signature/Date:


(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:
**Characterization of Sediments, New Work
Projects – Inner Harbor**
(This project is included under MES Open
Ended Consulting EPATS), Task #45

MPA Project Manager:
Nathaniel K. Brown

Assignee (s) Consultants/Contractors):
Maryland Environmental Service

**Contract Period Relevant to this
EPATS Task:**
01/01/04-12/31/05

| Budget Line # | PIN # | Contract # |
|----------------------|--------------|-------------------|
| 1215 | 5400010 | 500912 |

Task #, Name:
**#45, Character. Of Sediments,
New Work Projects- Inner
Harbor**

Project Budget (Total):
\$679,228

Revisions: Revision #:

Task Balance:
\$162,354

% Complete-Work (Total):
82%

% Expended (Total):
76.13%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): |
|----------------------------------|---------------------------------------|
| 82% | 18% |

| % Expended (Crnt. FY) | % Var./Balance |
|----------------------------------|-----------------------|
| 0.21% | 99.79% |

Project Goal(s):

Characterize the harbor sediments in the Dundalk Marine Terminal (DMT), Seagirt, and Masonville Terminal New Work Areas. This characterization will identify the physical, chemical and cap related test properties to identify the quality of the sediments. These results from this characterization will be evaluated to determine appropriate placement options.

Project Status Report Form

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Project Name: Characterization of Sediments, New Work Projects – Inner Harbor


Task #, Name: #45, Character. of Sediments, New Work Projects- Inner Harbor

Project Objectives:

1. Develop a site safety and health plan, field sampling plan, and quality assurance project plan for this project;
2. Mobilize a barge and sampling equipment in the Harbor to perform borings and obtain samples;
3. Characterize the harbor sediments in the proposed new work dredging areas through test borings, sampling and analysis;
4. Interpret the laboratory analyses to determine the quality of the chemical, physical and cap related test properties;
5. Prepare a report that summarizes the finding to facilitate appropriate placement options of the dredged material.

Project Status- Issues/Solutions (both required):

- During the month of July, MES processed EA's invoice in the amount of \$55,958.73 for the services provided. That invoice covered: the additional geotechnical costs associated with the weather related delays, draft report preparation, analytical data review and processing, and the draft memo for of the sand volume calculations.
- MES received a draft Memo form EA on July 13,2005 on the Seagirt Marine Terminal sand volume calculations. MES forwarded that memo to MPA on July 13, 2005 for their concurrent review.
- Future forecasted work in August includes the distribution of the Seagirt Marine Terminal sand volume calculations to the JV group for review.
- MES submitted an email to MPA on July 6, 2005 regarding an independent third party calculation of the sand volume calculations given the subjectivity of the geological interpretation. MES is awaiting feedback from MPA on this matter.

Signature/Date:  09/06/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Cox Creek Permit Assistance
Task #, Name: #52 – Cox Creek Permit Assistance

Project Name:
Cox Creek Permit Assistance
(This project is included under MES Open Ended Consulting EPATS)

MPA Project Manager:
Nathaniel K. Brown

Assignee (s) Consultants/Contractors):
Maryland Environmental Service

Contract Period Relevant to this EPATS Task:
10/21/04 - 12/31/05

| Budget Line # | PIN # | Contract # |
|---------------|---------|------------|
| 1215 | 5400010 | 500912 |

Task #, Name:
#52, Cox Creek Permit Assistance

Project Budget (Total):

Revisions: Revision #:

\$58,077

Task Balance:

\$51,251

% Complete-Work (Total):

% Expended (Total):

12%

11.75%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): |
|------------------------------|-----------------------------------|
| 12% | 18% |

| % Expended (Crnt. FY) | % Var./Balance |
|------------------------------|-----------------------|
| 2.12% | 12.58% |

Project Goal(s):

Provide assistance with permit provisions addressed within the Cox Creek Discharge Permit, particularly Special Condition S – Groundwater study.

Project Objectives:

1. Develop a plan to verify that offsite groundwater conditions will not be impacted by the operations of a dredged material containment facility.
2. Develop a groundwater study plan;
3. Develop a groundwater water report;
Based on the findings of the groundwater study plan, the groundwater report, and MDE feedback, perform groundwater monitoring and reporting

Project Status Report Form
Prepared by
Harbor Development

Project Name: Cox Creek Permit Assistance

Task #, Name: #52 – Cox Creek Permit Assistance

Project Status – Issues/Solutions (both required):
Issues

- During the month of July MES drafted a transmittal letter to MDE for MPA for the Final version of the Cox Creek Dredged Material Containment Facility (DMCF) Groundwater Study Plan. MES submitted this letter electronically to MPA on July 1, 2005. Hard copies and electronic copies on CD of the report were submitted to MPA on July 1, 2005.
- MES developed the June 2005 status report and submitted it to MPA.
- MES/MPA is awaiting a response from MDE on the Cox Creek DMCF Groundwater Study Plan that was submitted in July.

Signature/Date:


(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:
**South Locust Point Entrance Channel
Dredging**

MPA Project Manager:
Nathaniel K. Brown

Assignee (s) Consultants/Contractors):
Maryland Environmental Service

**Contract Period Relevant to this
EPATS Task:**
02/21/05-12/31/05

| Budget Line # | PIN # | Contract # |
|----------------------|--------------|-------------------|
| 1215 | 54000010 | 500912 |

Task #, Name:
**South Locust Point Entrance
Channel Dredging, Task # 54**

Project Budget (Total):
\$303,780

Revisions: Revision #:

Task Balance:
\$105,153

% Complete-Work (Total):
80%

% Expended (Total):
65.39%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): |
|----------------------------------|---------------------------------------|
| 80% | 20% |

| % Expended (Crnt. FY) | % Var./Balance |
|----------------------------------|-----------------------|
| 0.19% | 99.81% |

Project Goal(s):

Provide geotechnical investigations, hydrographic surveys, channel design and engineering, preparation of bid documents, quality assurance quality control review of engineering deliverables and provide project management and oversight in support of South Locust Point access channel design and dredging.


Project Objectives:

1. Design the South Locust Point Access channel so that it accommodates the cruise industry;
2. Perform multiple hydrographic surveys over the proposed areas;
3. Characterize the sediments in the South Locust Point Access through test borings, sampling and analysis;
4. Interpret the geotechnical data to determine physical properties;
5. Prepare a channel design;
6. Prepare a bid document for the procurement of a dredging contractor, in the event that the MPA chooses to procure a dredging contractor through MES.

Project Status – Issues/Solutions (both required):

- During the month of July 2005, MES continued to provide project oversight on the SLP project. MES processed a GBA invoice in the amount of \$2,733 for worked performed during the month of June. That work included attendance at a pre-bid conference on June 21, 2005. GBA transmitted a dredging inspection form for review. MES forwarded this form to BBL for review. BBL reviewed the inspection form and provided comments. MES forwarded those comments to the team June 30, 2005. BBL submitted an invoice in the amount of \$398.00 for their review time. The Bid opening occurred on July 7, 2005.
- The anticipated future work includes the SLP Channel dredging that is anticipated to occur in the August/September timeframe. GBA shall perform inspection oversight and contract management during the dredging.
- No outstanding issues.

Signature/Date:


(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: IGA – Mid Bay Island Study (James Island)
Task #, Name: #3 – Env. Field Studies & Cons. Env. Report (James Island)

Project Name: IGA – Mid Bay Island Study (James Island)
MPA Project Manager: Nathaniel K. Brown
Assignee (s) Consultants/Contractors): Maryland Environmental Service
Contract Period Relevant to this EPATS Task: 11/01/02-11/30/05

| Budget Line # | PIN # | Contract # | Task #, Name: |
|---------------|----------|------------|---|
| 1175 | 52280020 | 504804 | #3, Env. Field Studies & Cons. Env. Rep. (James Island) |

Project Budget (Total): \$335,931
Revisions: Revision #:

Task Balance:
\$51,414

| % Complete-Work (Total): | | % Expended (Total): | |
|--------------------------|----------------------------|-----------------------|----------------|
| 100% | | 84.69% | |
| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): | % Expended (Crnt. FY) | % Var./Balance |
| 100% | 0% | 10.73% | 0.13% |

Project Goal(s):

- To develop environmental conditions and consolidated report documentation supportive of third and fourth quarter environmental work of a feasibility level study for proposed James Island Restoration project.

Project Objectives:

- Perform the third and fourth quarters of a feasibility level environmental conditions study for a proposed island restoration project at James Island, including production of a consolidated report on four seasonal quarters of data.

Project Status Report Form
Prepared by
Harbor Development

Project Name: IGA – Mid Bay Island Study (James Island)
Task #, Name: #3 – Env. Field Studies & Cons. Env. Report (James Island)

Project Status – Issues/Solutions (both required):

Environmental Field Studies and Consolidated Environmental Report (MES, Harms, BBL, AMA)

Subtasks 3.1 – 3.8 (James Island):

Subtask 3.1 - Task Planning, Technical, Environmental and Administrative Services (MES)

- MES received the final invoice from Harms, processed this invoice, and closed out the contract

Future Work Anticipated in August:


- MES staff will participate in site visits to James and Barren Islands. MES will also prepare a written site visit report and submit to MPA.

Subtasks 3.2-3.7 Subcontracted Services for Feasibility-Level Environmental Conditions Studies for a Potential Island Restoration Project at James Island – Third and Fourth Seasons of Sampling (Harms)

- Task is completed. No further activity to report.

Subtask 3.8 Subcontracted Services for Pop Netting at James Island (AMA)

- Task is completed. No further activity to report

Signature/Date:  09/06/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: IGA – Mid Bay Island Study
Task #, Name: #3, (0313) Barren Island Environmental

Project Name: **MPA Project Manager:**
IGA – Mid Bay Island Study (Barren Island) **Nathaniel K. Brown**
Assignee (s) Consultants/Contractors): **Contract Period Relevant to this**
Maryland Environmental Service **EPATS Task:**
4/18/03-11/30/05

| Budget Line # | PIN # | Contract # | Task #, Name: |
|----------------------|--------------|-------------------|--|
| 1175 | 52280020 | 504804 | #3 (0313), Barren Island Environmental |

Project Budget (Total): **Revisions: Revision #:**

\$409,969

Task Balance:

\$0

% Complete-Work (Total):

100%

% Expended (Total):

100%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): |
|------------------------------|-----------------------------------|
| 100% | 0% |

100%

| % Expended (Crnt. FY) | % Var./Balance |
|------------------------------|-----------------------|
| 0.00% | 0.00% |

0.00%

0.00%

Project Goal(s):

- To conduct the feasibility level study of restoration of Barren Island; to perform environmental field studies and provide a consolidated environmental report on Barren Island.

Project Objectives:

- To determine the feasibility of placing dredged material to restore Barren Island; to perform environmental field studies and provide a consolidated environmental report on Barren Island.

Project Status Report Form
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Harbor Development

Project Name: IGA – Mid Bay Island Study
Task #, Name: #3, (0313) Barren Island Environmental

Project Status – Issues/Solutions (both required):

Subtasks 3.9 – 3.16 (Barren Island):

Subtask 3.9 Task Planning, Technical, Environmental and Administrative Services (MES)

- Task is completed. No further activity to report.


Subtask 3.10 – 3.15: Subcontracted Services for Feasibility-Level Environmental Conditions Studies for a Potential Island Restoration Project at Barren Island – Third and Fourth Seasons of Sampling (BBL)

- Task is completed. No further activity to report.

Subtask 3.16: Subcontracted Services for Pop Netting at Barren Island (AMA)

- Task is completed. No further activity to report.

Signature/Date:


(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name:
**Integrated Feasibility and EIS
Documentation**
This project is included under IGA –Mid Bay
Island Study (MES)

MPA Project Manager:

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Maryland Environmental Service

**Contract Period Relevant to this
EPATS Task:**
07/01/04 – 11/30/05

| Budget Line # | PIN # | Contract # |
|----------------------|--------------|-------------------|
| 1175 | 52280020 | 504804 |

Task #, Name:

**#8, Integrated Feasibility and
EIS Documentation**

Project Budget (Total):
\$436,517

Revisions: Revision #:

Task Balance:

\$308,124

% Complete-Work (Total):
55%

% Expended (Total):

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY) |
|----------------------------------|--------------------------------------|
| 55% | 45% |

| 29.41% | % Var./Balance |
|----------------------------------|-----------------------|
| % Expended (Crnt. FY) | (Crnt. FY) |
| 1.94% | 98.06% |

Project Goal(s):

This study will focus on restoring hundreds of acres of aquatic and terrestrial habitat for fish, shellfish, reptiles, amphibians, birds and mammals and will include concepts consisting of wetland and upland components.

Project Objectives:

- Project documentation will be in the form of an Integrated Feasibility and Environmental Impact Statement (EIS).
- MES will provide technical coordination and integration services for regulatory compliance relative to the provisions of the federal water pollution control act (FWPCA) and National Environmental Policy Act (NEPA).
- Contract management services and planning and coordination services will be provided.

- Presentation development services will be provided.
- Writing, assembly and production of draft and final environmental documentation for the Mid Bay Islands Integrated Feasibility and Environmental Impact Statement will be provided.

Project Status – Issues/Solutions (both required):

- MES continued to coordinate with the Corps on the EIS schedule and EIS sections.
- MES continued to revise the Draft EIS based on comments received.
- MES received additional comments from the Corps and provided the Corps with responses to those comments.

Future Work Anticipated in August:

- MES will revise the text of the EIS based on the additional comments received.
- MES will coordinate with the Corps as to when the draft EIS should be submitted to Corps Headquarters.
- When the draft report is ready to go to Headquarters, MES will coordinate with an outside printing company to receive the appropriate number of copies of the report.
- MES will coordinate with the Corps to get the reports to Headquarters.

Signature/Date:

Matthew L. Pan 09/04/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: MPA Project Manager:

Poplar Island GRR Evaluation Nathaniel K. Brown

Assignee (s) Consultants/Contractors): Contract Period:

Gahagan and Bryant Associates 02/15/05- 12/31/06

| Budget Line # | PIN # | Contract # | Task #, Name: |
|---------------|----------|------------|---------------------------------------|
| 1285 | 54100010 | 502820A1 | Task #7, Poplar Island GRR Evaluation |

Project Budget (Total): Revisions: Revision #:

\$241,982

Task Balance:

\$183,524

% Complete-Work (Total): % Expended (Total):

25% 24.16%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): | % Expended (Crnt. FY) | % Var./Balance |
|-----------------------|----------------------------|-----------------------|----------------|
| 75% | 25% | 0.00% | 100.00% |

Project Goal(s):

- To consider alternatives to expand the existing dredged material capacity at the existing Poplar Island Environmental Restoration Project, as well as other environmental and recreational improvements.

Project Objectives:

- This study will take into account modifications to the existing Poplar Island Environmental Restoration Project. Potential modifications could include: raising the existing dikes around the upland cells, constructing an expansion of the project footprint, environmental enhancements on the island and within Poplar Harbor, increased recreational opportunities, redefining criteria for placement of dredged materials at Poplar Island.

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Project Name: Poplar Island GRR Evaluation

Task #, Name: #7, Poplar Island GRR Evaluation

Project Status – Issues/Solutions (both required):

- GBA reviewed and provided comments to the Draft General Reevaluation Report (GRR) and Supplemental Environmental Impact Statement (SEIS) for the Poplar Island Environmental Restoration Project. GBA provided qualified personnel to attend the Draft GRR review meeting on July 8th and the Public Scoping meetings on July 19th and 20th.

Signature/Date:

Nathan K. Bm 09/06/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: Interagency Agreement MDE/MPA Monitoring
Task #, Name: #2, Baltimore Harbor TMDL Project

Project Name: **MPA Project Manager:**
Interagency Agreement MDE/MPA Monitoring – Baltimore Harbor TMDL Project **Nathaniel K. Brown**

Assignee (s) Consultants/Contractors): **Contract Period:**
Maryland Dept. of the Environment **01/31/03-06/30/05**

| Budget Line # | PIN # | Contract # | Task #, Name: |
|---------------|----------|------------|-----------------------------------|
| 1255 | 54010710 | 500910 | #2, Baltimore Harbor TMDL Project |

Project Budget (Total): **Revisions: Revision #:**
\$164,000

Task Balance:
\$64,923

% Complete-Work (Total): **% Expended (Total):**
75% **60.41%**

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): | % Expended (Crnt. FY) | % Var./Balance |
|-----------------------|----------------------------|-----------------------|----------------|
| 75% | 25% | 0.00% | 100.00% |

Project Goal(s):

- To conduct water quality related computer modeling of Baltimore Harbor.

Project Objectives:

- To estimate non-point source loads, simulate fate of toxics in Baltimore Harbor – harbor models and provide detailed assessment (Upper Bay Model) – VIMS.

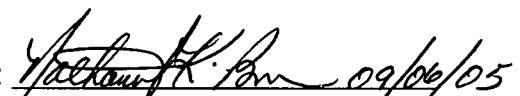
Project Status Report Form
Prepared by
Harbor Development

Project Name: Interagency Agreement MDE/MPA Monitoring
Task #, Name: #2, Baltimore Harbor TMDL Project

Project Status – Issues/Solutions (both required):

- The toxic TMDL is currently being drafted.
- Modeling scenarios are currently being run for both the toxics and nutrient TMDLs.
- MDE expects to submit final nutrient and toxic sediment TMDLs to EPA in September 2005.
- New staff has been hired to assist with model development.
- A no-cost extension has been approved by MPA until the end of calendar year 2005.
- Most recent invoice received on this project was on 06/14/05.

Signature/Date:


(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: MPA Project Manager:

Poplar Island General Reevaluation Report Nathaniel K. Brown

Assignee (s) Consultants/Contractors): **Contract Period:**

Moffatt & Nichols (M&N) 02/15/05-12/31/06

| Budget Line # | PIN # | Contract # | Task #, Name: |
|----------------------|--------------|-------------------|--|
| 1295 | 54120010 | 502820C | Task #7, Poplar Island General Reevaluation Report |

Project Budget (Total): **Revisions:** **Revision #:**

\$209,086

Task Balance:

\$190,113

% Complete-Work (Total): **% Expended (Total):**

10% 9.07%

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): | % Expended (Crnt. FY) | % Var./Balance |
|------------------------------|-----------------------------------|------------------------------|-----------------------|
| 10% | 90% | 0.00% | 100.00% |

Project Goal(s):

- Preparation of a General Reevaluation Review (GRR) for the expansion of Poplar Island to obtain funding authorization through a Water Resources Development Act (WRDA).

Project Objectives:

- Review the GRR as regards concepts, alternatives, alignments, and analyses for the Poplar Island Expansion (PIE) currently being performed by CENAB, focusing on dike sections, coastal protection, and impacts on tidal hydrodynamics, sedimentation, morphological change, wave refraction/diffraction and wave energy distribution. Provide input that will be used to develop plans for placement of dredged material within the expansion area and creation of tidal wetlands. Perform hydrodynamic, salinity, residence time, and sedimentation modeling to evaluate impacts of project on surrounding environment. The results of all the modeling studies will be presented in a Hydrodynamic Numerical Modeling Report. Using

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the model, evaluate morphological changes in the vicinity of the project and assess the potential for long-term accumulation of sediments in the area. Model and evaluate wave refraction/diffraction and wave energy distribution differences for existing and with-project conditions. The results of all the modeling studies will be presented in a Hydrodynamic Numerical Modeling Report. Pertinent findings from the hydrodynamic, salinity, residence time, and sedimentation modeling will be incorporated in the GRR.

Project Name: Poplar Island General Reevaluation Report
Task #, Name: #7, Poplar Island General Reevaluation Report

Project Status – Issues/Solutions (both required):

- Initiated review of GRR received from CENAB. Performed numerical modeling studies.

Signature/Date:

Matthew L. Brown 09/04/05
(MPA Project Manager)

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Harbor Development

Project Name: HMI 22nd Year Monitoring Contract

Task #, Name: HMI 22nd Year Monitoring Contract

Project Name: _____ **MPA Project Manager:** _____

HMI 22nd Year Monitoring Contract **Nathaniel K. Brown**

Assignee (s) Consultants/Contractors): _____ **Contract Period:** _____

Maryland Dept. of the Environment **7/01/03-12/31/05**

| Budget Line # | PIN # | Contract # | Task #, Name: |
|----------------------|--------------|-------------------|---|
| 850 | 50030020 | 293644 | 22nd Year Monitoring Contract, (MDE) |

Project Budget (Total): _____ **Revisions:** _____ **Revision #:** _____

\$320,719

Task Balance:

\$150,310

% Complete-Work (Total): _____ **% Expended (Total):** _____

80% **53.13%**

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): | % Expended (Crnt. FY) | % Var./Balance |
|------------------------------|---------------------------------------|----------------------------------|-----------------------|
|------------------------------|---------------------------------------|----------------------------------|-----------------------|

| | | | |
|------------|------------|--------------|----------------|
| 80% | 20% | 0.00% | 100.00% |
|------------|------------|--------------|----------------|

Project Goal(s):

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

Project Objectives:

- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.

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Project Name: HMI 22nd Year Monitoring Contract
Task #, Name: HMI 22nd Year Monitoring Contract

Project Status – Issues/Solutions (both required):

- The summer sampling for Year 22 was completed in September 2003.
- No unusual conditions or delays have befallen the project.
- Sorting of benthic macroinvertebrates in the lab is complete.
- Identification of benthic organisms has begun.
- All samples have been collected by MGS and CBL and analyses have begun.
- A no-cost extension was submitted to and approved by MPA extending the contract period through December 2005.
- Draft reports are currently being drafted and are scheduled to be submitted to MPA by the end of December 2005.
- The most recent invoice for this project year was received on 06/14/05.

Signature/Date: Anthony L. Brn 09/06/05
(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 23rd Year Monitoring Contract

Task #, Name: HMI 23rd Year Monitoring Contract

Project Name: _____ **MPA Project Manager:**

HMI 23rd Year Monitoring Contract **Nathaniel K. Brown**

Assignee (s) Consultants/Contractors): **Contract Period:**

Maryland Dept. of the Environment **7/01/04-01/31/06**

| Budget Line # | PIN # | Contract # | Task #, Name: |
|----------------------|--------------|-------------------|---|
| 855 | 50030020 | 293644 | 23rd Year Monitoring Contract, (MDE) |

Project Budget (Total): **Revisions:** **Revision #:**

\$321,944

Task Balance:

\$319,546

% Complete-Work (Total): **% Expended (Total):**

40% **0.74%**

| % Complete (Crnt. FY) | % Var./Balance (Crnt. FY): | % Expended (Crnt. FY) | % Var./Balance |
|------------------------------|---------------------------------------|----------------------------------|-----------------------|
|------------------------------|---------------------------------------|----------------------------------|-----------------------|

| | | | |
|------------|------------|--------------|----------------|
| 40% | 60% | 0.00% | 100.00% |
|------------|------------|--------------|----------------|

Project Goal(s):

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

Project Objectives:

- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 23rd Year Monitoring Contract
Task #, Name: HMI 23rd Year Monitoring Contract

Project Status – Issues/Solutions (both required):

- The first field sampling has been conducted. MDE sampled on September 24, CBL and MGS sampled on Sept. 23rd and 24th. The second field sampling was conducted on 13th of April 2005.
- Sorting and Benthic IDs for the fall samples is complete. Sorting and IDs for the Spring samples have begun.
- Sediment and tissue analyses are proceeding as scheduled.
- The most recent invoice received on this project year was on 06/14/05.

Signature/Date:


(MPA Project Manager)

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 24th Year Monitoring Contract

Task #, Name: HMI 24th Year Monitoring Contract

Project Name: _____ **MPA Project Manager:**

24th Year Monitoring Contract

Nathaniel K. Brown

Assignee (s) Consultants/Contractors):

Contract Period:

Maryland Dept. of the Environment

7/01/05-01/01/07

Budget Line # PIN # Contract #

855 50030020 293644

Task #, Name:
24th Year Monitoring Contract,
(MDE)

Project Budget (Total):

Revisions: Revision #:

\$286,559

Task Balance:

\$286,559

% Complete-Work (Total):

% Expended (Total):

0%

0.74%

**% Complete (Crnt. FY) % Var./Balance
(Crnt. FY):**

0%

100%

**% Expended
(Crnt. FY)**

0.00%

% Var./Balance

100%

Project Goal(s):

- Perform exterior monitoring of benthic and sedimentary environments around the HMI DMCF to quality of discharged water released from the facility.

Project Objectives:

- Track and document project related monitoring activities of Principal Investigators (PIs) and forward updated reports on these activities to MPA for review, approval and justification for funding release by MPA to support monitoring activities.

Project Status Report Form
Prepared by
Harbor Development

Project Name: HMI 24th Year Monitoring Contract
Task #, Name: HMI 24th Year Monitoring Contract

Project Status – Issues/Solutions (both required):

- The first field sampling is scheduled for September 8th (MGS/CBL) and September 9th (MDE/CBL).

Signature/Date: *Arthur K. Brown* 09/06/05
(MPA Project Manager)

Date: July 31, 2005

Project Status Report Form
prepared by
Harbor Development

Project

Dredged Material Management Consulting - Dredging

Project Manager:

Stephen Storms

Assignee(s) (Consultants/Contractors):

Gahagan & Bryant Associates, Inc.

Contract Period:

July 2005

Budget Line #

1285

PIN #:

54100010

Contract #:

502820A

Task #, Name:

Task 2 Program
Management

Project Budget (Total):

\$179,105

Revisions:

Revision #:

% Complete (Total):

20%

% Expended (Total):

76.00%

% Complete (Crnt FY):

80%

Var/Balance:

Favorable/20%

**% Expended
(Crnt FY):**

76.18%

Var/Balance:

Favorable/23.82%

Project Goal(s)

Management of studies and design projects of this size and complexity require both a global program management arm (State of Maryland) as well as a technical program management arm (lead managers assigned by MPA). The two must function together to control expenditures and confirm deliverables, while assuring technical scopes and issues are identified and addressed. The overall program management plan will track resource allocations and schedules on both a program and projects level. Program and projects management is necessary to monitor schedules and progress, estimate funding requirements, and initiate and review contracts for studies, design and construction. The success of the DMMP program for the State of Maryland will depend on these vital factors.

Project Objectives:

GBA will provide qualified staff to assist the MPA with the following subtasks

2.1) Program Objectives and Project Scopes

2.2) Tracking Budgets

2.3) Coordination & Project Execution

2.4) Project & Program Schedules

2.5) Progress and Cost Updates

2.6) Quarterly Program Status Reports

2.7) Quarterly Review Meetings

2.8) Technical Program Management Meetings

Project Status - Issues/Solutions (both required):

Quarterly Report No. 1 was issued with results through June 30, 2005. Comments from MPA on content and format have been requested. The next quarterly report will have updated projections based on revised schedules.



(Project Manager)

August 31, 2005

(Date)

Project Status Report Form
prepared by
Harbor Development

ProjectDredged Material Management Consulting - Dredging**Project Manager:**Stephen Storms**Assignee(s) (Consultants/Contractors):**Gahagan & Bryant Associates, Inc.**Contract Period:**July 2005**Budget Line #**1285**PIN #:**54100010**Contract #:**502820A**Task #, Name:**Task 3 Masonville
Feasibility/EIS**Project Budget (Total):**\$594,352**Revisions:****Revision #:****% Complete (Total):**35%**% Expended (Total):**37.63%**% Complete (Crnt FY):**100%**Var/Balance:**Favorable/00%**% Expended
(Crnt FY):**99.83%**Var/Balance:**Favorable/00.17%**Project Goal(s)**

The MPA is continuing the work done by GBA-M&N Joint Venture (JV) on the combined feasibility study and EIS for three harbor sites. Task 3 describes GBA's continuing role in the study of the Masonville site.

Project Objectives:

GBA will provide qualified staff to assist the MPA with the following subtasks

- | | |
|---|---|
| 3.1) Project Management | 3.3) Permitting, Mitigation & Community Enhancements |
| 3.2) <u>Engineering Elements</u> | 3.4) Project Schedule Baseline & Cost Estimates |
| a. Establish Preliminary Design | 3.5) Plan Formulation Alternatives Analysis |
| b. Development of Surveying & Mapping Info | 3.6) Combined Feasibility/EIS Report |
| c. Identification of Construction Materials | 3.7) Hydro /Topographic Surveys & Probes |
| d. Design of Project Alternatives | 3.8) Geotechnical Field Data & Lab Testing |
| e. Develop Construction Procedures | |

Project Status - Issues/Solutions

The month of July showed increased activity in probings and geotechnical boring analysis. This data was used to continue plans and specs for the Pre-dredging construction package (presently at 30% complete status). DMCF costs estimates were revised and a more detailed construction schedule was started. Mitigation plans were presented and recommended to MPA. This culminated 3 Mitigation team meetings and numerous conversations with agency reps. Community enhancements continued with more detailed plans and estimates developed, Education center further defined and more accurate estimates for debris removal performed.

 (Project Manager)

 August 31, 2005

(Date)

Project Status Report Form
prepared by
Harbor Development

ProjectDredged Material Management Consulting - Dredging**Project Manager:**Stephen Storms**Assignee(s) (Consultants/Contractors):**Gahagan & Bryant Associates, Inc.**Contract Period:**July 2005**Budget Line #**1285**PIN #:**54100010**Contract #:**502820A**Task #, Name:**Task 5 Sparrows Point
Feasibility/EIS**Project Budget (Total):**\$472,273**Revisions:****Revision #:****% Complete (Total):**10%**% Expended (Total):**10.54%**% Complete (Crnt FY):**100%**Var/Balance:**Favorable/00%**% Expended
(Crnt FY):**99.52%**Var/Balance:**Favorable/00.48%**Project Goal(s)**

The MPA is continuing the work done by Gahagan & Bryant Associates, Inc., Moffatt & Nichol Engineers, Joint Venture (JV) on the combined feasibility study and EIS for three harbor sites.

Project Objectives:

GBA will provide qualified staff to assist the MPA with the following subtasks

5.1) Project Management & Meeting Attendance**5.3)** Permitting, Mitigation, & Community Enhancements**5.2) Engineering Elements**

a. Test Dike Planning & Design

5.4) Project Schedule Baseline & Cost Estimates

b. Establishment of Preliminary Design

c. Development of Surveying & Mapping Information & Feasibility Level Design Drawings

5.5) Plan Formulation Alternatives Analysis

d. Identification of Construction Materials

5.6) Combined Feasibility/EIS Report

e. Design of Project Alternatives

5.7) Hydrographic/Topographic Surveys

f. Development of Construction Procedures

5.8) Geotechnical Field Data & Lab Testing**Project Status - Issues/Solutions (both required):**

Survey and probing data was processed. The Sparrows Point portion of the probing report was initiated. Test dike analysis continued with plans and sections developed and costs estimates refined. Costs estimates for both soil mixing and wick drains were revised. A Presentation was prepared and made to the Joint Evaluation Committee on behalf of the Sollers Point Community groups.

 (Project Manager)

 August 31, 2005

(Date)

Date: July 31, 2005

Project Status Report Form
prepared by
Harbor Development

Project

Dredged Material Management Consulting - Dredging

Project Manager:

Stephen Storms

Assignee(s) (Consultants/Contractors):

Gahagan & Bryant Associates, Inc.

Contract Period:

July 2005

Budget Line #

1285

PIN #:

54100010

Contract #:

502820A

Task #, Name:

Task 6 BP Fairfield
Feasibility/EIS

Project Budget (Total):

\$473,154

Revisions:

Revision #:

% Complete (Total):

4%

% Expended (Total):

4.57%

% Complete (Crnt FY):

43%

Var/Balance:

Favorable/57%

**% Expended
(Crnt FY):**

43.23%

Var/Balance:

Favorable/56.77%

Project Goal(s)

The MPA is continuing the work done by Gahagan & Bryant Associates, Inc., Moffatt & Nichol Joint Venture (JV) on the combined feasibility study and EIS for BP Fairfield.

Project Objectives:

GBA will provide qualified staff to assist the MPA with the following subtasks

6.1) Project Management & Meeting Attendance

6.3) Project Schedule Baseline & Cost Estimates

6.2) Engineering Elements

- a. Establishment of Preliminary Design
- b. Development of Surveying & Mapping Information & Feasibility Level Design Drawings
- c. Identification of Construction Materials
- d. Design of Project Alternatives
- e. Development of Construction Procedures

6.4) Plan Formulation Alternatives Analysis

6.5) Combined Feasibility/EIS Report

6.6) Hydrographic/Topographic Surveys

6.7) Geotechnical Field Data & Lab Testing

Project Status - Issues/Solutions (both required):

Probing data was processed and the report preparation continues. Data is being used to consider an expanded study area. Activity was low during the month of July.

(Project Manager)

August 31, 2005

(Date)

Steve Storms

From: Kraus, Nicholas C ERDC-CHL-MS [Nicholas.C.Kraus@erdc.usace.army.mil]
Sent: Thursday, August 18, 2005 04:14 PM
To: Karen Cushman; Nook, Karen M NAB02; Ed Fulford; Ram K. Mohan; Steve Storms; Blersch, Stacey S NAB02
Cc: Smith, Jane M ERDC-CHL-MS; Lin, Lihwa ERDC-CHL-MS; Bass, Gregory P NAB02
Subject: Progress Report, ERDC Mid-Bay Islands Modeling Study, July 2005

Progress Report, ERDC Mid-Bay Islands Modeling Study, July 2005**A. Work Accomplished During July:**

1. Developed an expected Future Without-Project Bathymetry for Barren Island and James Island by lowering the existing bottom to that of the ambient surrounding bottom.
2. Ran STWAVE and ADCIRC circulation (current, water level) and sediment-transport grids and forcing conditions for both Barren Island and James Island, with preliminary dike elevation levels provided to us, for Hurricane Hazel, Hurricane Isabel, Northeaster 20 (moderate storm), and Northeaster 33 (powerful storm from the west). The circulation and sediment-transport modeling were done on high-performance (super) computers (HPC) because of large regional extent of the storms.
3. For Item 1, ran the models for the subject locations and storms for the existing condition, future without-project condition, Alt 1, and Alt 3, which were decided by the team as priorities for reporting at the 27 July meeting.
4. Discussed and reviewed definitions with the team, and revised dike elevations of alternatives.
5. Prepared for the SMS and Inlet Modeling System (IMS) workshop, developing materials for 2.5 days of instruction. Material included porting grids and boundary information from the HPC to PC environment and developing IMS-M2D grids and runs for instruction and operation on PCs. Provided SMS licenses as necessary.

B. Work Planned for August 2005:

1. Participate in SMS and IMS Workshop 9-11 August, and team meeting the afternoon of 11 August.
2. Complete all STWAVE grid development and runs for Alts 4, 5, and 6, for use in the shoreline impact analysis and the hydrodynamics and sediment transport simulations.
3. Complete simulations for circulation and sediment transport for as many as possible of all alternatives. We expect to complete almost all of the production runs, but not the analysis and visualization of all runs. This work will include assimilation of recently received sediment transport sampling (grain size) data.
4. Assimilate Honga Channel information, if received in timely manner.
5. Begin report preparation.
6. Support team members in running of alternative simulations and variations based on information received at the workshop.

**Best regards, Nick
(for the CHL team)**

Nicholas C. Kraus, PhD
ERDC, Coastal & Hydraulics Laboratory
601-634-2016

"..Once more into the breach. dear friends. once more..." Henry V, Act 3, Scene 1 (William Shakespeare)

Nicholas C. Kraus, PhD
ERDC, Coastal & Hydraulics Laboratory
601-634-2016

"..Once more into the breach. dear friends, once more..." Henry V, Act 3, Scene 1 (William Shakespeare)

MID-BAY ISLAND FEASIBILITY MONTHLY PROGRESS REPORT

Project: Mid-Bay Island Feasibility Study

Period: July 2005

MPA Contract No.: 504804

MPA PIN: 52280020

MPA Project Managers: Steve Storms/Nat Brown

Contract Amount (Tasks 1-5, and 8-12): \$2,277,461.77* (excludes \$103,730.52 of contingent funds)

Contract Term: November 11, 2005 to June 30, 2006

Task 1-Contract and Project Management (MES, EA & GBA)

Subtask 1.1 – Task Planning, Technical, Environmental and Administrative Services (MES)

- MES continued to coordinate on all aspects of this study with EA and GBA.
- MES received a June monthly status update from EA on July 7th.
- MES received a June monthly status update from GBA on July 10th.
- On July 13th, MES submitted final meeting notes from the June 7th PDT meeting to the team.
- On July 14th, MES submitted a status report for the month
- MES sent a letter to MPA requesting to return any remaining funding, including contingent funding from the recently completed Tasks 4 and 13 to the uncommitted IGA funding.

Future Work Anticipated in August/September:

- MES anticipates receiving MPA approval to return any remaining funding from the recently completed Tasks 4 and 13 to the uncommitted IGA funding.
- MES will attend the PDT meeting on September 6th and take notes at the meeting.

Subtask 1.2- Subcontracted Services for the Mid-Bay Island Project Management Plan (PMP) Support (EA)

- EA submitted a June status report on July 8th.
- Little activity this period. EA staff responded to a couple of minor resource questions.

Future Work Anticipated in August/September:

- EA will submit a monthly status report in early August.
- EA will attend the PDT meeting on September 6th.

Subtask 1.3- Subcontracted Services for the Mid-Bay Island Project Management Plan (PMP) Support (GBA)

- Continued management of task order.

Future Work Anticipated in August/September:

- GBA will submit a monthly status report in early August.
- GBA will attend the next PDT meeting on September 6th.

Task 2– Public Involvement (MES)

- No activity during this period.

Future Work Anticipated in August:

- No activity anticipated at this time.

Task 3 – Environmental Field Studies and Consolidated Environmental Report (MES, Harms, BBL, AMA)

Subtasks 3.1 – 3.8 (James Island):

Subtask 3.1 - Task Planning, Technical, Environmental and Administrative Services (MES)

- MES received the final invoice from Harms, processed this invoice, and closed out the contract.

Future Work Anticipated in August:

- MES staff will participate in site visits to James and Barren Islands. MES will also prepare a written site visit report and submit to MPA.

Subtasks 3.2-3.7 Subcontracted Services for Feasibility-Level Environmental Conditions Studies for a Potential Island Restoration Project at James Island – Third and Fourth Seasons of Sampling (Harms)

- Task is completed. No further activity to report.

Subtask 3.8 Subcontracted Services for Pop Netting at James Island (AMA)

- Task is completed. No further activity to report.

Subtasks 3.9 – 3.16 (Barren Island):

Subtask 3.9 Task Planning, Technical, Environmental and Administrative Services (MES)

- Task is completed. No further activity to report.

Subtask 3.10 – 3.15: Subcontracted Services for Feasibility-Level Environmental Conditions Studies for a Potential Island Restoration Project at Barren Island – Third and Fourth Seasons of Sampling (BBL)

- Task is completed. No further activity to report.

Subtask 3.16: Subcontracted Services for Pop Netting at Barren Island (AMA)

- Task is completed. No further activity to report.

Task 4 – Cultural Studies (MES, PCI)

Subtask 4.1 & 4.2 - Contract and Project Management (MES) & Subcontractor's Scope of Services (PCI)

- Task is completed. No further activity to report.

Task 5 – Economic Studies (MES/UMCES)

- UMCES and MES communicated via email and phone regarding study progress and updates.
- UMCES submitted a status report to MES on July 7th.
- UMCES updated the GIS fishery and other databases in preparation for report updates.

Future Work Anticipated in August:

- UMCES and MES will work on any revisions needed to the EIS following external review.
- UMCES will provide materials for public outreach activities.

Task 8- EIS (MES)

- MES continued to coordinate with the Corps on the EIS schedule and EIS sections.

- MES continued to revise the Draft EIS based on comments received.
- MES received additional comments from the Corps and provided the Corps with responses to those comments.

Future Work Anticipated in August:

- MES will revise the text of the EIS based on the additional comments received.
- MES will coordinate with the Corps as to when the draft EIS should be submitted to Corps Headquarters.
- When the draft report is ready to go to Headquarters, MES will coordinate with an outside printing company to receive the appropriate number of copies of the report.
- MES will coordinate with the Corps to get the reports to Headquarters.

Task 9- Mid-Bay Island and Other Related Dredged Material Management Plan (DMMP) Options Communications and Public Outreach Plan (MES/AMA)

- MES continues to coordinate with AMA to receive the highlights/action items from AMA for the March 21st meeting.
- MES sent a contract to AMA for signature and received a signed contract in return.

Future Work Anticipated in August:

- MES anticipates receiving highlights/action items from AMA for the March 21st meeting.

Task 10 - Coastal Monitoring and Modeling Support at James Island (MES/BBL)

- On July 5th, MES distributed the final meeting action items/highlights from the May 19th meeting to the team.
- On July 25th, MES distributed the final meeting action items/highlights from the June 23rd meeting to the team.
- MES/BBL met with MPA, Corps, ERDC, and AMA on July 27th to discuss the modeling task.
- BBL provided ERDC a plan map showing USACE and E2CR existing borings and CEM grab samples around James Island.
- BBL provided USACE a composite map indicating USCS sediment types throughout James Island.
- BBL identified federal channels near Barren Island and the private channel near James Island.
- BBL continues to work on the coastal monitoring and modeling framework.
- BBL continues to perform sediment grain size distribution testing as well as characterizing the 30 sediment grab samples around James Island.
- BBL developed conceptual evaluations of tidal gut and marsh layout for James Island. Six different alignments were developed, ranked, and provided to USACE and MES.
- MES sent a contract to BBL for signature and received a signed contract in return.

Future Work Anticipated in August:

- MES/BBL will attend the modeling workshop from August 9th through 11th.
- MES/BBL will attend the August 11th modeling meeting. MES will record highlights/action items for this meeting.
- MES will submit draft highlights/action items from the July 27th and August 11th meetings to the team for review.
- MES will distribute the final highlights/action items from the July 27th meeting to the team.
- BBL will continue working on coastal modeling support of James Island.

Task 11 - Coastal Monitoring and Modeling Support at Barren Island (MES/AMA)

- On July 5th, MES distributed the final meeting action items/highlights from the May 19th meeting to the team.

- On July 25th, MES distributed the final meeting action items/highlights from the June 23rd meeting to the team.
- MES/AMA met with MPA, Corps, ERDC, and BBL on July 27th to discuss the modeling task.
- AMA continued work on the data processing for the topographic/hydrographic surveys, determining the locations of the channels and the historical shoaling rates, and determining historical shoreline position data/changes.
- MES sent a contract to AMA for signature and received a signed contract from AMA in return.

Future Work Anticipated in August:

- MES/AMA will attend the modeling workshop from August 9th through 11th.
- MES/AMA will attend the August 11th modeling meeting. MES will record highlights/action items for this meeting.
- MES will submit draft highlights/action items from the July 27th and August 11th meetings to the team for review.
- MES will distribute the final highlights/action items from the July 27th meeting to the team.
- AMA will continue working on coastal modeling support of Barren Island.

Task 12 - Process Numerical Modeling (MES/ERDC)

- ERDC completed the STWAVE grid development and representative runs for shoreline impact for James Island existing conditions.
- ERDC completed ADCIRC runs for the “existing condition” and “future without project condition.”
- ERDC began setting up the Inlet Modeling System model for sediment transport.
- On July 5th, MES distributed the final meeting action items/highlights from the May 19th meeting to the team.
- On July 25th, MES distributed the final meeting action items/highlights from the June 23rd meeting to the team.
- MES/ERDC met with MPA, Corps, AMA, and BBL on July 27th to discuss the modeling task.

Future Work Anticipated in August:

- ERDC will present a modeling workshop from August 9th through 11th.
- MES/ERDC will attend the August 11th modeling meeting. MES will record highlights/action items for this meeting.
- MES will submit draft highlights/action items from the July 27th and August 11th meetings to the team for review.
- MES will distribute the final highlights/action items from the July 27th meeting to the team.

Invoiced for July 2005: \$14,965.92

Total Amount Invoiced as of July 31, 2005: \$1,355,510.04

Contract Amount Remaining as of July 31, 2005: \$921,951.73*

Task 8 (EIS):

55% Complete (Total through Crnt. FY 06)
45% Var./Balance (through Crnt. FY06)

*Accounts for reallocation of remaining funds from Tasks 4 and 13.

Inner Harbor Reconnaissance Study

EPATS TASK 18 MONTHLY PROGRESS REPORT

Project: Inner Harbor Reconnaissance Study

MPA Project Manager: Steve Storms

Reporting Period: July 2005

MPA Contract No.: 500912

MPA PIN: 54000010

Contract Amount for Task 18: \$774,114

Subtask 18.1 Task Planning, Technical, Environmental and Administrative Services (MES)

This report documents the status of activities related to the Harbor Team process and coordination with the J/V working for MPA on feasibility studies for Inner Harbor Placement options. This progress report provides updates of the previous month, the current month, and forecasts future anticipated work and meetings.

June 2005: During the month of June, MES staff attended five meetings: a JV meeting, several Masonville Mitigation meetings, and several meeting preparing for the Masonville Public Scoping Meeting.

MES staff participated in meetings on June 2, 8, 13, 15, and 21 in preparation for the Masonville Public Scoping Meeting and to formulate mitigation strategies. MES staff placed public notices in several newspapers regarding the public scoping meeting for Masonville. MES contracted with Art Miller and Associates for transcription services for the Public Scoping meeting. MES developed and submitted the status report for May 2005.

MES completed and transmitted on June 3, 2005 the meeting minutes from the April Harbor Team meeting. On June 2, 2005 MES submitted the EPATS Task 56 proposal for continued support on the Harbor Projects. Harbor Development authorized this contract on June 16, 2005. MES anticipates closing out EPATS Task 18 next month and will continue to provide support on the Harbor projects under EPATS Task 56.

July 2005: During the month of July, MES staff prepared the June monthly status report and drafted the Task 18 closeout letter. The closeout letter for Task 18 will be sent to MPA in early August. The \$20,113 remaining in the contract balance shall be reallocated back to the general EPATS uncommitted fund. Future support for the Harbor sites will be covered under EPATS Task 56 Harbor Technical Support. This is the last status report submitted for Task 18.

Total Amount Invoiced to MPA in July Invoice:

Task 18 - \$0

Total Amount Invoiced to MPA to date as of this Invoice:

Task 18 - \$754,000

Contract Amount Remaining as of July 31, 2005 Invoice:

Task 18 - \$20,113

Sparrows Point

EPATS TASK 31 MONTHLY PROGRESS REPORT

Project: Sparrows Point
MPA Project Manager: Steve Storms
Reporting Period: July 2005
MPA Contract No.: 500912
MPA PIN: 600105P
Contract Amount for Task 31: \$365,833
Contract Term: 01/01/99 – 6/30/07
Task Term: 07/24/02 – 12/31/05

Subtask 31.8 Task Planning, Technical, Environmental and Administrative Services (MES)

This report documents status of activities related to the Sparrows Point and Masonville engineering and technical support. This subtask was authorized in February 2005 to provide conceptual level planning, dredging engineering design, and cost estimates for the Sparrows Point and Masonville Terminal concepts. This progress report provides updates of the previous month, the current month, and forecasts future anticipated work and meetings.

June 2005: During the month of June, MES prepared the monthly status report and submitted it to MPA. MES received a status report from GBA for the month of May. The GBA status report indicated that MN had discussions with ISG representatives regarding possible options for aspects of terminal planning. The remaining items under this contract include terminal concepts for Sparrows Point and supporting geotechnical test and research. This work will be coordinated with the Sparrows Point feasibility studies and the EIS. MES did not receive an invoice from GBA for this time period.

Future forecasted work for this project includes the Sparrows Point Terminal Concepts and geotechnical testing and research.

July 2005: During the month of July, MES prepared the monthly status report and submitted it to MPA. MES received a status report and invoice from GBA for the month of June. MES processed the GBA invoice in the amount of \$648 for the services MN provided. The GBA status report indicated that MN had discussions with ISG representatives regarding possible options for aspects of terminal planning. The remaining items under this contract include terminal concepts for Sparrows Point and supporting geotechnical test and research. This work will be coordinated with the Sparrows Point feasibility studies and the EIS. MES did not receive an invoice from GBA for this time period.

Future forecasted work for this project includes the Sparrows Point Terminal Concepts and geotechnical testing and research.

Total Amount Invoiced to MPA in July Invoice:

Task 31 - \$207.24

Total Amount Invoiced to MPA to date as of this Invoice:

Task 31 - \$258,632.70

Contract Amount Remaining as of July 31, 2005 Invoice:

Task 31 - \$ 107,200.30

Masonville Engineering and Technical Support

EPATS TASK 37 MONTHLY PROGRESS REPORT

Project: Masonville Engineering and Technical Support

MPA Project Manager: Steve Storms

Reporting Period: July 2005

MPA Contract No.: 500912

MPA PIN: 54000010

Contract Amount for Task 37: \$451,734

Contract Term: 01/01/99 – 06/30/07

Task Term: 07/15/03 – 06/30/05

Subtask 37.13 Task Planning, Technical, Environmental and Administrative Services (MES)

This report documents the status of activities related to the engineering and technical services for the expansion of the Masonville Dredged Material Containment Facility (DMCF). These services include: development of a Cost/Benefit analysis for filling a 5 acre wet basin; evaluation of alternative DMCF retention structures near pier 3; evaluation of the 48" water main line relocation; project management for the development of the Masonville and Fairfield Terminals; and technical support on field engineering investigations and surveys. This progress report provides updates for the previous month, the current month, and forecasts future anticipated work and meetings.

June 2005: During the month of June, MES prepared the May monthly status report and forwarded comments on the Cost/Benefit Analysis to MPA on June 17, 2005. MES processed MN's June invoice for the services provided in the month of April. This invoice is in the amount of \$24,099.99. Those charges included: work on the draft Cost/Benefit analysis; conceptual design and cost estimates for outboard cellular coffer dam alternative; coordination and oversight on design consultants; and the monthly status meeting with MPA. MN prepared and submitted a proposal to utilize the funds allocated under subtask 12 (additional technical support). The proposal is currently under review and will be forwarded to MPA in July for review and funding authorization. The proposal is to provide design services associated with the rerouting of the Masonville Phase 2 outfalls.

Future forecasted work in July includes MES submitting a proposal to MPA for MN working on the Masonville phase 2 storm drain reroutes.

July 2005: During the month of July, MES prepared and submitted the June monthly status report to MPA. MES received MN's June invoice for the services provided in the month of May. This invoice is in the amount of \$14,584.29. Those charges included the completion of the conceptual design and cost estimates for the four alternative DMCF retention structures and design consultant oversight. Future forecasted work in August includes MES submitting a proposal to MPA for MN working on the Masonville phase 2 storm drain reroutes.

Total Amount Invoiced to MPA in July Invoice:

Task 37 - \$ 952.71

Total Amount Invoiced to MPA to date as of this Invoice:

Task 37 - \$ 239,958.38

Contract Amount Remaining as of July 31, 2005 Invoice:

Task 37 - \$211,772.39

Federal Dredged Material Management Plan (DMMP) Support Monthly Progress Report
(Task 47)

Project: Federal Dredged Material Management Plan (DMMP) Support

Period: July 2005

MPA Contract No.: 500912

MPA PIN: 54000010

MPA Project Manager: Steve Storms

Contract Amount: \$46,181.07

Subtask 47.1: Task Planning, Technical, Environmental and Administrative Services (MES)

- MES prepared and submitted the monthly status report.
- MES refined FY05 budget accrual estimates.

Future Work Anticipated in July:

- MES will provide Federal DMMP technical support to the MPA as needed.

Subtask 47.2: Subcontracted Services for Technical Support for the Federal Dredged Material Management Plan Development (EA Engineering, Science, & Technology, Inc. (EA))

- EA reported no activity during the month of July.

Future Work Anticipated in July:

- EA will provide Federal DMMP technical support to the as needed and requested by MES.

Invoiced for July 2005: \$219.50

Total Amount Invoiced to MPA as of July 31, 2005 Invoice:

Task 47 – \$34,594.69

Contract Amount Remaining as of July 31, 2005 Invoice:

Task 47 – \$11,586.38

EPATS TASK 51 MONTHLY PROGRESS REPORT

Project: Underwater Archeological Surveys and Pipeline Identification in the Baltimore Harbor
MPA Project Manager: Steve Storms
Reporting Period: July 2005
MPA Contract No.: 500912
MPA PIN: 54000010
Contract Amount for Task 51: \$144,784.91
Contract Term: 01/01/99 – 6/30/07
Task Term: 09/01/04 – 6/30/06

Subtask 51.1 Task Planning, Technical, Environmental and Administrative Services (MES)

This report documents status of activities related to the underwater archeological surveys and pipeline identification in the Baltimore Harbor. This information is being collected to assist MPA in planning future Harbor placement options. This progress report provides updates for the previous month, the current month, and forecasts future anticipated work and meetings.

June 2005: During the month of June, MES did not receive an invoice from Goodwin. MES received the draft Underwater Archeological Report from Goodwin on June 15, 2005. MES forwarded a copy of the draft Underwater Archeological Report to MHT and MPA in June. MES submitted the draft Pipeline Identification report to MPA on June 10, 2005. MES reviewed the Pipeline Identification draft report and submitted a comment table to the MPA on June 17, 2005. MES is currently reviewing the draft Underwater Archeological Survey of the Harbor.

In the month of July MES anticipates: receiving comments from MPA on the draft Pipeline Identification report, completing their review of the draft Underwater Archeological Report and submitting a comment table to MPA, and submitting comments to Goodwin on both reports for incorporation within the final reports.

July 2005: During the month of July, MES did not receive an invoice or status report from Goodwin. MES received comments from the MPA on the Pipeline Identification draft report on July 1, 2005. MES submitted the MPA and MES comments on the Pipeline Identification draft report to Goodwin on July 7, 2005.

MES completed their review of the Draft Underwater Archeological Survey of the Harbor and submitted comments to the MPA on July 17, 2005. MPA responded to MES with partial comments on July 26, 2005.

In the month of August, MES anticipates receipt of additional comments from MPA on the Draft Underwater Archeological Survey of the Harbor. MES anticipates transmitting all comments to Goodwin in August. Goodwin will incorporate the suggested comments within the final reports.

Total Amount Invoiced to MPA in July 31, 2005 Invoice:
Task 51 -\$ 1015.71

Total Amount Invoiced to MPA to date as of this Invoice:
Task 51 -\$ 51,783.36

Contract Amount Remaining as of July 31, 2005 Invoice:
Task 51 - \$ 93,001.64

Grant Assistance

EPATS TASK 53 MONTHLY PROGRESS REPORT

Project: Grant Assistance
MPA Project Manager: Steve Storms
Reporting Period: July 2005
MPA Contract No.: 500912
MPA PIN: 54000010
Contract Amount for Task 53: \$49,678.80

Subtask 53.1 Task Planning, Technical, Environmental and Administrative Services (MES)

This report documents status of activities related to the grant assistance performed by MES to identify and apply for funding sources for community enhancement projects associated with dredged material placement projects, on behalf of the Maryland Port Administration (MPA). This progress report provides updates of the previous month, the current month, and forecasts future anticipated work and meetings.

June 2005: During the month of June, MES staff performed research to identify potential funding sources, created databases tabulating funding sources, contacted funding institutions, and continued work with Ecologix and the Brooklyn and Curtis Bay Coalition (BCBC) to discuss potential grant opportunities.

MES worked with MPA, Ecologix, and BCBC in drafting a pre- application package to the Abell Foundation to fund a staff level position to work with the community groups and MPA on the Masonville Community Enhancement Projects. MES submitted this application package to BCBC on June 30, 2005. Discussions with the Abell Foundation indicated that they wanted a letter describing the Masonville dredged material project. A letter was drafted by MES and submitted to MPA on June 29, 2005. This pre-application package is intended to be submitted two-three weeks prior to the August 1, 2005 deadline. Once this pre-application package is received and reviewed by the Abell Foundation a formal application will need to be completed and submitted by August 1, 2005.

July 2005: During the month of July, MES staff continued research to identify potential funding sources, created databases tabulating funding sources, contacted funding institutions, and continued work with Ecologix and the Brooklyn and Curtis Bay Coalition (BCBC) to discuss potential grant opportunities.

MES worked with MPA and BCBC in drafting a pre- application package to the Abell Foundation to fund a staff level position to work with the community groups and MPA on the Masonville Community Enhancement Projects. Discussions with the Abell Foundation indicated that they wanted a letter describing the Masonville dredged material project. MES is in the process of drafting that letter for submission to MPA in August. MES completed the pre-application package and submitted it to BCBC. They in turn submitted the package to the Abell Foundation on July 13, 2005. MES is in the process of completing the formal grant application for submittal by BCBC by the September 1, 2005 deadline.

Total Amount Invoiced to MPA in July Invoice:

Task 53 - \$1,359.80

Total Amount Invoiced to MPA to date as of this Invoice:

Task 53 - \$ 4,467.41

Contract Amount Remaining as of July 31, 2005 Invoice:

Task 53 - \$ 45,211.39

Harbor Technical Support

EPATS TASK 56 MONTHLY PROGRESS REPORT

Project: Harbor Technical Support
MPA Project Manager: Steve Storms
Reporting Period: July 2005
MPA Contract No.: 500912
MPA PIN: 54000010
Contract Amount for Task 56: \$627,529
Contract Term: June 2005 – June 2006

Subtask 56.1 Task Planning, Technical, Environmental and Administrative Services (MES)

This report documents the status of activities related to the Harbor Technical Support EPATS Task 56. This task was established for MES to provide project and technical support services to the MPA during the Harbor Feasibility Studies and the Harbor Sites Environmental Impact Statement (EIS) process. This progress report provides updates of the previous month, the current month, and forecasts future anticipated work and meetings.

June 2005: During the month of June, MES staff provided support in preparation of the Masonville Public Scoping Meeting. MES labor costs associated with this assistance were billed to Task 18. The costs documented within this status report and in this month's invoice capture the advertising costs in the Baltimore Guide, Baltimore Sun, Dundalk Eagle and the Capitol- Gazette associated with the public notice placed within those newspapers.

In the month of July MES anticipates providing continued support on formulating the Masonville mitigation options and working with MPA contractors on the feasibility studies and the EIS. MES will work to get UMCES under contract and will review the RFP's to determine the contractor who will provide the public outreach for this contract.

July 2005: During the month of July, MES staff provided support in preparation of the Masonville Mitigation plan formulation. MES staff attended meetings on July 5, 11, 13, 14, and 20 in support of the mitigation planning and the Harbor team meeting.

In the month of August MES anticipates providing continued support on formulating the Masonville mitigation options and working with MPA contractors on the feasibility studies and the EIS. MES anticipates participating in the JV meeting scheduled for August 25 and the joint evaluation meeting for Masonville scheduled for August 31, 2005. MES will continue to work on the UMCES contract and will continue to review the RFP's to determine the contractor who will provide the public outreach for this contract.

Total Amount Invoiced to MPA in July Invoice:
Task 56 - \$6,323.62

Total Amount Invoiced to MPA to date as of this Invoice:
Task 56 - \$900.19

Contract Amount Remaining as of July 31, 2005 Invoice:
Task 56 - \$620,368.19

Project Status Report: to 07/31/05

Project Manager: John Vasina

J.V.
08-26-05

Fiscal Year 2004

| <u>No.</u> | <u>Line No.</u> | <u>PIN#</u> | <u>Contract #</u> | <u>Description</u> |
|------------|-----------------|-------------|-------------------|--|
| 1 | 785 | 55000010 | 597849 | C&D Pre-Construction Eng. Design ✓ |
| 2 | 950 | 52080040 | 597827 | Oyster Reseeding Program ✓ |
| 3 | 1005 | 52210040 | 502814 | Chesapeake Bay Ports System ✓ |
| 4 | 1010 | 52160020 | 500829 | UM Current Meter Study ✓ |
| 5 | 1015 | 52240020 | 502821 | UM Economic Studies ✓ |
| 6 | 1055 | 52170020 | 501918 | UM Ballast Water Study ✓ |
| 7 | 1085 | 54000010 | 500912 | Site Maint. Work at Masonville ✓ |
| 8 | 1085 | 54000010 | 500912 | Task #37 Masonville Expansion ✓ |
| 9 | 1095 | 54010510 | 598819 | Dredged Material Recycling ✓ (Agricultural Use) |
| 10 | 1125 | 54010740 | 500910 | MDE Ballast Water Program ✓ |
| 11 | 1155 | 54100010 | 502820A1 | Blackwater Nat'l Wildlife Refuge Pl. ✓ |
| 12 | 1170 | 54130010 | 502820D1 | Analysis of Benefits of Dredging of ✓ 50' Channel |

Project Status Report Form
Prepared by John Vasina
Harbor Development

| | | | |
|---|------------------------|--|------------------------|
| Project Name: | | Project Manager: | |
| C&D Pre-Construction Engineering Design | | John Vasina | |
| Assignee(s) (Consultants/Contractors): | | Contract or Task Period: | |
| U.S. Army Corps of Engineers | | 04/23/97 – 09/30/02 (original) | |
| Budget Line # | PIN #: | Contract #: | Task #, Name: |
| 785 | 600104-B | 597849 | |
| Project Budget (Total): | | Revisions: | Revision #: |
| \$1,250,400 (as of point of study suspension in FY '01) | | | |
| % of Work Complete (Total): | | % Expended \$ (Total): | |
| 100.00% (as of point of study suspension in FY '01) | | 99.97% (as of point of study suspension in FY '01) | |
| % of Work Complete (Crnt. FY): | % Var./Balance: | % Expended \$ (Crnt. FY): | % Var./Balance: |
| 0% | 0% | 0% | 0% |

Project Goal(s):
 To determine optimal design of the C&D Canal deepening project and to undertake an economic evaluation of the project to justify the project's implementation.

Project Objectives:
 To complete the Pre-construction, Engineering and Design phase of the Chesapeake & Delaware (C&D) Canal deepening project.

Project Status - Issues/Solutions (both required):

Issues:

- ◆ The economic evaluation, if based on the currently available information, would reflect number of negative trends that are short term in nature. Therefore, it would not constitute a suitable basis for making a long term decision pertaining to the project.

Project Status Report Form
Prepared by John Vasina
Harbor Development

Solutions:

- ◆ Secretary John Porcari recommended to Lt. Colonel Brown of the Philadelphia District Corps of Engineers in his letter of January 16, 2001 to defer consideration of the economic justification of the project until a number of additional factors can be appropriately considered. (including: Vessel operating costs; temporary decline in the number of container vessel arrivals at the Port of Baltimore; shipping industry trends, etc.). The Corps agreed to follow Secretary's recommendation and the project was postponed by three years to allow more representative, long term trends, to be considered.
- ◆ MPA procured consultant (Dr. John Martin) to investigate the economic feasibility and justification for C&D Canal deepening. Dr. Martin is scheduled to complete his investigations approximately in July 2004.
- ◆ John Martin's study was completed in September and is currently under pier review.
- ◆ The Corps of Engineers is in process of issue their C&D report.

Signature/Date:

 08-26-05
(Project Manager)

Project Status Report Form
Prepared by John Vasina
Harbor Development

Project Name:

Oyster Reseeding Program

Project Manager:

John Vasina

Assignee(s) (Consultants/Contractors):

Department of Natural Resources

Contract or Task Period:

06/01/02 – 06/30/05

Budget Line #

950

PIN #:

52080040

Contract #:

597827

Task #, Name:

Project Budget (Total):

\$19,625,000

Revisions:

\$4,875,000

Revision #:

2

% of Work Complete (Total):

75.00%

% Expended \$ (Total):

75.16%

**% of Work Complete
(Crnt. FY):**

10.00%

% Var./Balance:

90.00%

**% Expended \$ (Crnt.
FY):**

0.00%

% Var./Balance:

100.00%

Project Goal(s):

To provide large quantities of shells for habitat restoration of oyster population in the Chesapeake Bay.

Project Objectives:

To increase oyster population in the Chesapeake Bay.

Project Status - Issues/Solutions (both required):

Issues:

- ◆ Program was originally structured so that each dollar was awarded for each cubic yard of dredged material that was placed in an open water site in the Bay. Under the current Agreement, the MDOT contributions to the Oyster Recovery program were scheduled to end in FY '02.
- ◆ DNR's George Hearlth provided invoices for the FY 2003 activities in the amount of \$1,625,000.

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Harbor Development

Solutions:

- ◆ **New Agreement was executed between MDOT and DNR that will secure funding of the program through FY 2005. Beginning in FY 2002, MDOT shall pay to DNR annual payment of \$1.625M from the Transportation Trust Fund.**
- ◆ **DNR's repayment of any funds previously advanced to by MDOT is forgiven.**
- ◆ **Continuation of the program funding was re-authorized in July, 2003 by MDOT.**
- ◆ **Description of the program is being placed on the MPA web-site.**
- ◆ **Billing by DNR is expected in March 2004 for the FY 2004.**
- ◆ **DNR is being contacted (Chris Judy) to bill for FY '04 funds.**
- ◆ **DNR submitted invoice in the amount of \$1.625M for FY 2004 activities.**
- ◆ **DNR also submitted report pertaining to the fund expenditures in FY 2004 as required by the MDOT/DNR Agreement.**
- ◆ **The contract will expire June 30, 2005; needs to be extended (if applicable).**
- ◆ **Draft memo to the Secretary is being drafted to obtain instruction if the contract should be terminated or extended to future years.**
- ◆ **Chris Judy of DNR will submit FY 05 invoice in April.**
- ◆ **Meeting with DNR and MDOT was held in June 2005 pertaining to the three-year amendment to the existing contract. The three-year extension was signed by Secretaries of MDOT and DNR in July, 2005.**

Signature/Date:

 08-26-05
(Project Manager)

Project Status Report Form
Prepared by John Vasina
Harbor Development

Project Name:

Chesapeake Bay Ports System

Project Manager:

John Vasina

Assignee(s) (Consultants/Contractors):
The National Oceanic and Atmospheric Administration

Contract or Task Period:

10/25/01 – 10/25/06

Budget Line #

1005

PIN #:

52210040

Contract #:

502814

Task #, Name:

Project Budget (Total):

\$1,575,650

Revisions:

Revision #:

% of Work Complete (Total):

72.00%

% Expended \$ (Total):

72.48%

% of Work Complete (Crnt. FY):

10.00%

% Var./Balance:

90.00%

% Expended \$ (Crnt. FY):

0.00%

% Var./Balance:

100.00%

Project Goal(s):

To support safe and efficient navigation by providing ship masters and pilots with accurate real-time information required to avoid groundings and collisions.

Project Objectives:

To design, install, manage on ongoing basis, operate, maintain, and repair NOAA's Upper Chesapeake Bay Physical Oceanographic Real-Time System (PORTS).

Project Status - Issues/Solutions (both required):

Issues:

- ◆ **New centralized voice system was implemented during the month of March, 2002. The system was installed in Silver Spring, MD, complete with full back up, and providing local (Silver Spring) and toll-free numbers to cover each PORTS.**
- ◆ **MPA needs current update of the status.**

Solutions:

- ◆ **MPA executed an Addendum to the contract to finance operation and maintenance in FY '04 (cost: \$215K);**

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Harbor Development

- ◆ MPA approved the new centralized voice system on February 20, 2002.
- ◆ The toll free number assigned to the PORTS Chesapeake Bay site is (866) 247-6787
- ◆ Richard Permenter of NOAA gave the update at Harbor Coordination & Safety Committee meeting on October 2, 2002.
- ◆ Meeting took place in May with NOAA and Md. Pilots to discuss issues pertaining to PORTS system in the Chesapeake Bay.
- ◆ Richard Permenter is permanently retiring in August, 2003. David MacFarland became new NOAA PORTS Program Manager.
- ◆ Kate Bosley is working full-time in another program and she is no longer involved in PORTS activities.
- ◆ Meeting with Md. Pilots and NOAA took place on November 7, 2003. Dave McFarland of NOAA discussed issues with MPA and Pilots that were raised by Pilots before retirement of Rich Permenter of NOAA.
- ◆ PORTS system begin fully implemented in the Chesapeake Bay area in February, 2004
- ◆ There is a plan for celebration of the implementation of the system at the Secretary's level with NOAA.
- ◆ MPA Office of Communication will continue planning of the celebration; per Darlene Frank, this task will be assigned to other communications personnel after departure of Richard Berkow.
- ◆ MPA contacted NOAA in May pertaining to the FY 2004 O&M invoice. NOAA will provide MPA with approximately \$215K invoice in June 2004.
- ◆ Meeting is planned for July, 2004 with NOAA, Maryland Pilots and MPA to discuss issue pertaining to safety navigation in the Chesapeake Bay.
- ◆ MPA accrued the \$215K expenditures for FY 2004.
- ◆ The new Addendum to the Agreement for 2004 was executed in September, 2004.
- ◆ Marty Welch of NOAA was contacted at (301) 713-2897, ext. 129 in January, 2005 to obtain an accrued bill from NOAA to cover FY 2005 cost of maintenance of the system.
- ◆ The FY 2005 bill from NOAA was paid in June 2005.
- ◆ Installation of additional air gap sensors under Chesapeake Bay bridge is in process and the cost will be added to FY 2006 maintenance billings (approx. \$90K increase).

Signature/Date: _____

John Vasina 08-26-05

(Project Manager)

Project Status Report Form
Prepared by John Vasina
Harbor Development

Project Name:

UM Current Meter Study

Project Manager:

John Vasina

Assignee(s) (Consultants/Contractors):

University of Maryland

Contract or Task Period:

05/31/00 – 06/30/06

Budget Line #

1010

PIN #:

52160020

Contract #:

502829

Task #, Name:

Project Budget (Total):

\$553,701

Revisions:

Revision #:

% of Work Complete (Total):

78.00%

% Expended \$ (Total):

76.49%

% of Work Complete

(Crnt. FY):

10.00%

% Var./Balance:

90.00%

% Expended \$ (Crnt.

FY):

0.00%

% Var./Balance:

100.00% (favorable)

Project Goal(s):

To enhance the present shipboard-based Monitoring Program with continuous data to aid the detection of long term change in the Bay ecosystem and to forecast water levels currents and weather over the Chesapeake Bay area that will assist in vessel navigation and environmental work for the State's dredged material management program.

Project Objectives:

The purpose of this contract is to allow the University of Maryland Center for Environmental Studies to consult, deploy and maintain a Chesapeake Bay Observing System (CBOS) for the MPA.

Project Status - Issues/Solutions (both required):

Issues:

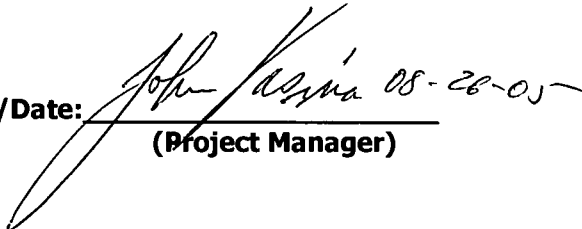
- ◆ The final report will be delivered on or before September 30, 2005 to the MPA. MPA will request interim progress report at the end of the FY 2002.

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Prepared by John Vasina
Harbor Development

Solutions:

- ◆ MPA will contact Dr. William Boicourt in Spring, 2003 to request the interim progress report.
- ◆ Dr. Boicourt requested no cost extension to 06/30/06 to implement Bay-wide effort for surface wave measurements. MPA has granted the no cost extension on March 21, 2005.

Signature/Date:

 08-28-05

(Project Manager)

Project Status Report Form
Prepared by John Vasina
Harbor Development

Project Name:

UM – Economic Studies

Project Manager:

John Vasina

Assignee(s) (Consultants/Contractors):

University of Maryland (Dr. Dennis King)

Contract or Task Period:

02/01/02 – 01/31/06

Budget Line #

1015

PIN #:

52240020

Contract #:

502821

Task #, Name:

Project Budget (Total):

\$457,690

Revisions:

\$249,750; \$320,879

Revision #:

2

% of Work Complete (Total):

61.00%

% Expended \$ (Total):

60.55%

% of Work Complete

(Crnt. FY):

10.00%

% Var./Balance:

90.00%

% Expended \$ (Crnt.

FY):

0.00%

% Var./Balance:

100.00% (favorable)

Project Goal(s):

To support selection of the dredged material placement sites to be included in the Governor's Strategic Plan for dredged material management .

Project Objectives:

To create an economic model that would address comparison of the costs, risks, and benefits of dredged material management options.

Project Status - Issues/Solutions (both required):

Issues:

- ♦ **MPA requested report for the work done to date.**
- ♦ **Dr. King asked for the Amendment to the contract to continue work to January 31, 2004.**
- ♦ **Dr. King requested meeting with MPA to discuss issues pertaining to the cost/benefit ratios allocations for the DMMP suggested placement options, the Inner Harbor sites economic issues, and the issues pertaining to the economic study of the ballast water issue.**

Project Status Report Form
Prepared by John Vasina
Harbor Development

Solutions:

- ◆ **Dennis King delivered the requested report in April, 2003.**
- ◆ **MPA approved Amendment #1 in December 2002.**
- ◆ **Several meetings took place in October to address economic issues pertaining to the Strategic Plan.**
- ◆ **Dr. King submitted to MPA proposal of the scope of work, under the Amendment #2 to the existing contract, to continue work in Year 3 on the project.**
- ◆ **Amendment #2 to the contract was executed in December 2003 for \$320,879 with time extension to 01/31/05.**
- ◆ **Meetings with Dennis King and MPA take place each month to discuss the issues pertaining to the Corps' economic analysis and other economics issues related to DMMP program.**
- ◆ **Dr. King's staff is involved in economic analysis of the Poplar Island expansion; the meeting with the Corps are scheduled to take place in May.**
- ◆ **Various frequent meetings are scheduled to discuss Corps DMMP and prepare presentations and analysis.**
- ◆ **Dr. King's staff is working with MES on economics analysis for Mid-Chesapeake Bay and Poplar Expansion projects.**
- ◆ **Dr. King is also working on the expansion of Dr. Martin's report pertaining to C&D cost/benefit justification study.**
- ◆ **Dr. King will meet with us in November to discuss work in 2005.**
- ◆ **Amendment #4 was processed and executed..**
- ◆ **Meeting with UMCES was held in March 2005; the work was planned to cover Inner arbor Sites and Bay projected sites GIS and other economic areas, and also one of the task will cover Blackwater Project preliminary economic evaluations.**
- ◆ **Meeting with UMCES was held in July 2005 to discuss scope of work and report generation to support DMMP process.**

Signature/Date:


(Project Manager)

Project Status Report Form
Prepared by John Vasina
Harbor Development

Project Name:

UM Ballast Water Study

Continuation of contract # 501918

Assignee(s) (Consultants/Contractors):

University of Maryland

Project Manager:

John Vasina

Contract or Task Period:

12/08/04 – 12/31/05

Budget Line #

1055

PIN #:

52170010

Contract #:

505916

Task #, Name:

Project Budget (Total):

\$99,984

Revisions:

Revision #:

% of Work Complete (Total):

53.00%

% Expended \$ (Total):

51.46.%

% of Work Complete

(Crnt. FY):

10.00%

% Var./Balance:

90.0% (favorable)

% Expended \$ (Crnt.

FY):

0.00%

% Var./Balance:

100.0 (favorable)

Project Goal(s):

To identify improved methods for ballast water treatment and management and prevention of boat transport of invasive species.

Project Objectives:

To conduct realistic shipboard trials of methods for the treatment of ballast water, with specific emphasis on the Chesapeake Bay. The primary (voraxial separator) and secondary (ultraviolet irradiation and chemical biocide) treatments to be rigorously tested in the ballast tanks of an ocean going commercial vessel in Baltimore Harbor under normal ballasting conditions.

Project Status - Issues/Solutions (both required):

Issues:

- ◆ **Additional work is necessary to probe various issues pertaining to the measurement of the particulate separatory efficiency of the primary treatment (voraxial separator) and of the viability of bacteria, zooplankton and phytoplankton subjected to both primary and secondary treatments and other issues that arised during the course of study which need to be addressed in order to successfully complete the ballast water study.**

Project Status Report Form

Prepared by John Vasina

Harbor Development

- ◆ The new system is being currently installed on Cape Washington by Dr. Wright and his technical support (Hyde Marine, Inc. and General Shipyard Co.) There are issue with possible deployment of the ship in Persian Gulf.

Solutions:

- ◆ First Amendatory Agreement to the contract was approved in December 2002 for additional funding of \$308,697 with the term extended to December, 2004.
- ◆ Meeting between MPA and UMCES was held in September, 2002 to address issues pertaining to the Amendment.
- ◆ University of Maryland was requested to provide MPA with a statement of absence of conflict of interest due to principal investigators (Drs. Wright & Dawson) having patent with C-Clean.
- ◆ The Phase II of the study will be conducted using the same technology (Maritime Solutions, Inc. microfugal separator) provided it is functional.
- ◆ The Phase II will take place on the MARAD ship (other than Cape May) docked in the Port of Baltimore. The MARAD ship was not allocated to the project as of February 28, 2003.
- ◆ Trip was made to Flemington, NJ to observe Maritime Solutions' separator in February 2003.
- ◆ Several meetings are scheduled for June and July to coordinate work of UM
- ◆ Maritime Solutions, Inc. withdrew from the joint project with UM to pursue testing of their own system.
- ◆ Drs. David Wright and Roger Dawson, along with project partner Thomas Mackey of Hyde Marine, Inc. presented the results of their earlier work at the 2nd International Ballast Water Treatment R&D Symposium held at the headquarters of the International Maritime Organization (IMO) in London on July 21-23, 2003.
- ◆ The University of Maryland started to publish a periodical pertaining to the ballast water issues.
- ◆ UM together with Hyde Marine, Inc. will install experimental treatment system on the board of Cape Washington by the end of November, 2003.
- ◆ Dr. Wright submitted preliminary proposal for the extension of the contract to MPA in December 2003. (The proposal is currently being reviewed by MPA).
- ◆ Debbie Aheron of MARAD is discussing details of work with Dr. Wright and both parties try to set up contingencies for possible deployment of the Cape Washington to the Persian Gulf.
- ◆ Cape Washington was deployed in Gulf war; MPA and UM are looking for temporary placement of the equipment off shore to continue with the study.
- ◆ Negotiations are in process to place the equipment and continue with the study at MPA's Clinton Street location.
- ◆ Meeting is scheduled for July 2004 with MPA management to discuss the project in general, ROE, and the amendment to the contract.
- ◆ ROE was approved in July 2004

Project Status Report Form

Prepared by John Vasina

Harbor Development

- ◆ **Contract Amendment to proceed with Phase I of the new study cycle was signed in December, 2004. This work is going to proceed under contract no. 505916 on budget line # 1181.**
- ◆ **Meeting with UMCES (Sharon Moesel) was held in July 2005. MPA requested report from UMCES at the end of contract extension (Spring 2006), and closure of the project.**
- ◆ **Equipment at Clinton Street is fully installed, and testing is taking place as scheduled.**

Signature/Date:

John Vasina 08-26-05

(Project Manager)

Project Status Report Form
Prepared by John Vasina
Harbor Development

| | | | |
|---|------------------------|----------------------------------|------------------------|
| Project Name: | | Project Manager: | |
| Site Maintenance Work at Masonville | | John Vasina | |
| Assignee(s) (Consultants/Contractors): | | Contract or Task Period: | |
| Maryland Environmental Service | | 09/09/02 – 12/31/04 | |
| Budget Line # | PIN #: | Contract #: | Task #, Name: |
| 1085 | 54000010 | 500912 | 35 |
| Project Budget (Total): | | Revisions: | Revision #: |
| \$657,378 | | \$33,599 | |
| % of Work Complete (Total): | | % Expended \$ (Total): | |
| 99.00% | | 99.13% | |
| % of Work Complete (Crnt. FY): | % Var./Balance: | % Expended \$ (Crnt. FY): | % Var./Balance: |
| 80.00% | 20.00% (favorable) | 0.00% | 100.00% (favorable) |

Project Goal(s):

To condition the site for further development in support of terminal operations .

Project Objectives:

To suppress phragmites and provide rough grading of the inner harbor Masonville site.

Project Status - Issues/Solutions (both required):

Issues:

- ◆ The scope of work incorporates use of aerial applicator and extensive rental of heavy equipment.

Solutions:

Active grading and clearing is occurring, with five pieces of equipment in use today. Where grading has occurred, the phragmites growth appears to be mostly controlled. Approximately 50% of the site is graded, and an additional 20% has been cleared and is in the process of being graded. Spraying of approximately 16 acres occurred on July 15, 2003. It is anticipated that this spraying will kill the phragmites

Project Status Report Form
Prepared by John Vasina
Harbor Development

above ground growth, but only provide minimal killing of the roots. Jim Sammis of WeedPro informed us that we may not see signs of the Phragmites dying off for 7-10 days, but the plants will begin to translocate the herbicide within 24 hours and this will start the dying process. MES observed signs of yellowing on some of the sprayed phragmites. MES will continue to clear and grade the site including the newly sprayed phragmites. All phragmites as well as the root mat are to be hauled off site to the Quarantine Road landfill. All reasonable effort will be made to remove any phragmites roots and above ground material from the site and not buried on site. Once the site is graded, no spraying will occur until September when the phragmites is fully tasseled. At this time, WeedPro will perform an aerial spray of the entire site at the most appropriate time to kill the phragmites roots and plants.

MES is still looking at completion of grading by the end of July, with the exception of the north side where stabilization still needs to occur. Luis has forwarded a sketch of the areas in need of stabilization. MNE has forwarded specifications for stone and geogrid to David Ferguson who is pursuing costs to provide MPA and MNE with a cost to stabilize these two areas.

Craig Huntley of MES first met Ken at the cell 5 site to discuss boring locations. EBA expects to be on site the end of next week and will be using an ATV for accessing the boring sites. Larry Walsh met us to see the site as well. JMT has previously staked out the existing pipe to make locating the alignment easier.

On phase II, the entire site is graded and rolled, except for the northern end that still needs to be stabilized. David Ferguson is to get Craig cost estimates as well as a record of available funds in the contract. Once we have this information, we can determine how much can be stabilized within the existing funding. A final survey needs to be done on the site, but this should wait until the site is fully stabilized. This is the same area where URS is planning SWM and we will coordinate with their plans.

The phragmites are coming back in some areas, but not heavily or to the point of tufting. If spraying is put off as late as possible, this would be around the third week of October. According to Jim Sammis and everyone else Craig have spoken to, unless the Phrag is tufting, there will not be full translocation to the roots. Because of this, and the fact that the phrag is very thin throughout the site. It appears that the most practical approach is to schedule spraying from a truck or with backpack sprayers and to not use aerial spraying. Once this is agreed upon, we need to let Jim Sammis of Weedpro know, so he can schedule accordingly.

Possible new phase of the project could be implemented to accommodate terminal for Mercedes Benz.

Additionally there is a need to make additional adjustment to discharge system.

Signature/Date:

 08-26-05
(Project Manager)

Project Status Report Form
Prepared by John Vasina
Harbor Development

Project Name:

Masonville Expansion

Project Manager:

John Vasina

Assignee(s) (Consultants/Contractors):

Maryland Environmental Service

Contract or Task Period:

07/15/03 – 12/31/04

Budget Line #

1085

PIN #:

54000010

Contract #:

500912

Task #, Name:

37

Project Budget (Total):

\$178,675

Revisions:

\$20,000; \$273,059

Revision #:

2

% of Work Complete (Total):

53.00%

% Expended \$ (Total):

53.12%

% of Work Complete

(Crnt. FY):

10.00%

% Var./Balance:

90.00% (favorable)

% Expended \$ (Crnt.

FY):

0.89%

% Var./Balance:

99.11% (favorable)

Project Goal(s):

Preliminary engineering assessment and design for the Masonville Dredged Material Containment Facility.

Project Objectives:

Preliminary design analysis for an expansion of the existing DMCF incorporating features that will facilitate cell closure and conversion and integration into the MPA's Masonville Marine Terminal operation.

Project Status - Issues/Solutions (both required):

Issues:

- ♦ **Unanticipated need to design a replacement of approximately 500 linear feet of 42-inch corrugated metal storm drain pipe which has collapsed at the Masonville site.**

Solutions:

- **Additional funding of \$20K was approved on August 12, 2003.**
- **Meeting was held on October 27 with MPA's Engineering Department and**

Period to: 07/31/05

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Prepared by John Vasina
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Moffatt & Nichol Engineers to discuss additional study needs; specifically, additional borings needed to locate sand borrow areas.

- **Storm drain system needs to be possibly adjusted, proposal is being prepared by Moffatt & Nichol (anticipated in September 2005).**

Signature/Date:


John Vasina 08-26-05
(Project Manager)

Project Status Report Form
Prepared by John Vasina
Harbor Development

| | | | |
|--|------------------------|----------------------------------|------------------------|
| Project Name: | | Project Manager: | |
| Dredge Material Recycling (Agricultural Use) | | John Vasina | |
| Assignee(s) (Consultants/Contractors): | | Contract or Task Period: | |
| University of Maryland - Wye Agricultural Laboratory/MES | | 09/01/97 – 12/31/06 | |
| Budget Line # | PIN #: | Contract #: | Task #, Name: |
| 1095 | 600105-S | 598819 | |
| Project Budget (Total): | | Revisions: | Revision #: |
| \$384,835 | | | |
| % of Work Complete (Total): | | % Expended \$ (Total): | |
| 86.00% | | 86.96% | |
| % of Work Complete (Crnt. FY): | % Var./Balance: | % Expended \$ (Crnt. FY): | % Var./Balance: |
| 5.00% | 95.00% | 0.26% | 99.74% (favorable) |

Project Goal(s):

To make preliminary recommendation that the agricultural use of dredge material is either viable option to be considered for Governor's Strategic Plan for Dredged Material Placement or it should not be considered for the inclusion in the Plan. . Specifically, to investigate the feasibility of using dredged material on agricultural land as a soil supplement or soil amendment.

Project Objectives:

To address the benefit created through improving unproductive land (farmland). Additional objective is to quantify the value of unproductive farmland vs. the improved value of the land if dredged material increases agricultural yields.

The MPA initiated this project in 1998, with three major objectives – to perform a feasibility study for agricultural recycling of dredged material; to attempt to find recycling options for up to 500,000 cubic yards of dredged material annually; and to investigate agricultural, horticultural and industrial application of dredged material, defining soil and water quality and crop germination and production factors.

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Project Status - Issues/Solutions (both required):

Ken Staver sent his draft proposal for continuation of the study of agricultural use of dredged material on August 1, 2004. MES is in the process of reviewing and editing the Wye proposal and preparing an overall proposal for the next phase of this work for MPA.

MES will discuss the logistics of obtaining dredged material from Courthouse Point with USACE Philadelphia for next spring. Mr. Staver will revise his proposal to update some dates after hearing about the status on the dredged material from Courthouse Point and submit to MES. MES will work on a draft proposal for MPA review for future work. It will be combined with Ken Staver's proposal and folded into an overall proposal for the entire task for submission to MPA.

Signature/Date: _____

John Vasina 08-26-05

(Project Manager)

Project Status Report Form
Prepared by John Vasina
Harbor Development

| | | | |
|---|------------------------|----------------------------------|------------------------|
| Project Name: | | Project Manager: | |
| MDE Ballast Water Program | | John Vasina | |
| Assignee(s) (Consultants/Contractors): | | Contract or Task Period: | |
| Maryland Department of the Environment | | 01/31/03 – 01/01/05 | |
| Budget Line # | PIN #: | Contract #: | Task #, Name: |
| 1125 | 54010740 | 500910 | |
| Project Budget (Total): | | Revisions: | Revision #: |
| \$161,000 | | \$0 | |
| % of Work Complete (Total): | | % Expended \$ (Total): | |
| 100.00% | | 92.38% | |
| % of Work Complete (Crnt. FY): | % Var./Balance: | % Expended \$ (Crnt. FY): | % Var./Balance: |
| 0.00% | N/A | 0.00% | N/A |

Project Goal(s):
 Implementation of reporting of information by maritime industry to MDE about ballast water. (Maryland legislation enacted in 2000 created an enforceable requirement for the maritime industry).

Project Objectives:
 MPA's funding support helps MDE to start the program, draft and promulgate regulations, and set up the ongoing reporting framework.

Project Status - Issues/Solutions (both required):

Issues:

- ◆ Program was originally funded from MPA's operating budget.

Solutions:

- Approval has been received from Secretary Porcari to amend the existing MOU between MPA and MDE (Contract No. 500910) and allow MDE to conduct work in support of MDE's ballast water program under this contract.
- MDE is submitting quarterly reports.

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- **MDE's ballast water program regularly update and maintain a ballast water database that is used to collect information about ballast water report forms, ships that enter and depart the State of Maryland, contact information and compliance tracking. MDE is sending compliance verification letters to shipping agents of vessels that did not send in report forms at the end of each month. For example, in 2003, the average compliance rate (prior to receipt of compliance verification letters) was 71%. However, the average compliance rate (after receipt of compliance verification letter) climbed to 94%.**
- **MDE is inquiring about possible extension of this contract beyond 06/30/05. MDE submitted list of potential tasks that would be done under the contract. Specifically, MDE is emphasizing work pertaining to the potential Inner Harbor Dredged Material Placement sites. Overall contract No. 500910 was extended to June 30, 2011, and amended by \$500K. The Ballast Water segment of the contract is completed.**

Signature/Date: _____

John Vasina 08-26-05

(Project Manager)

Date: July 31, 2005

Project Status Report Form
prepared by
Harbor Development

Project

Dredged Material Management Consulting - Dredging

Project Manager:

John Vasina

Assignee(s) (Consultants/Contractors):

Gahagan & Bryant Associates, Inc.

Contract Period:

02/15/05 – 12/31/06

Budget Line #

1155

PIN #:

54100010

Contract #:

502820A

Task #, Name:

Task 11 Blackwater
National Wildlife Refuge
Planning & Cost Estimates

Project Budget (Total):

\$63,113

Revisions:

Revision #:

% Complete (Total):

28%

% Expended (Total):

28.48%

% Complete (Crnt FY):

10%

Var/Balance:

Favorable 90.00%

**% Expended
(Crnt FY):**

0.00%

Var/Balance:

Favorable 100.00%

Project Goal(s)

Much interest has been expressed in Blackwater NWR restoration as noted in discussions recently at the February DMMP Management Committee meeting. There are diverse approaches involving application of dredged material to restore marsh areas. This work will involved concept level studies of the application of Maintenance Dredging Material to restore the Blackwater NWR.

Project Objectives:

GBA will provide qualified staff to assist the MPA with the following subtasks

- 11.1)** Review Data & Mapping – Cost Estimates
- 11.2)** Concept Study Report

Project Status - Issues/Solutions (both required):

Prepared conceptual cost estimates for direct hydraulic pipeline and scow pumpout alternatives for placing dredged material at Blackwater NWR.



(Project Manager)

August 26, 2005
(Date)

Date: July 31, 2005

Project Status Report Form
prepared by
Harbor Development

Project

Open Ended Planning

Project Manager:

John Vasina

Assignee(s) (Consultants/Contractors):

John Martin & Associates, Inc.

Contract Period:

04/15/05 – 12/31/05

Budget Line #

1170

PIN #:

54130010

Contract #:

502820D1

Task #, Name:

Task 1 Analysis of Benefits
of the Dredging the 50'
Channel

Project Budget (Total):

\$166,729

Revisions:

Revision #:

% Complete (Total):

15%

% Expended (Total):

13.25%

% Complete (Crnt FY):

10%

Var/Balance:

Favorable 90.00%

**% Expended
(Crnt FY):**

13.23%

Var/Balance:

Favorable 86.77%

Project Goal(s)

To justify the O & M dredging expenditures to maintain authorized channel project specifications.

Project Objectives:

To measure the economic benefits of maintaining the 50 ft. main shipping channel serving the Port of Baltimore.

Project Status - Issues/Solutions (both required):

John Martin requested from the US Army Corps of Engineers the data pertaining to the Corps' previous studies of the 50 ft. shipping channel.

Danny Closterman (410 962-3215) is Corps' contact for John Martin's contract.



(Project Manager)

August 26, 2005

(Date)