

(2) RESEARCH TO ASSIST PREDICTION, INCLUDING BUT NOT LIMITED TO EXPERIMENTAL RESEARCH, FIELD AND LABORATORY, AND THE DEVELOPMENT AND PROVISION FOR PHYSICAL, MATHEMATICAL, AND BIOLOGICAL MODELING TOOLS TO ASSIST AND EVALUATE THE EFFECTS OF VARIATION OF NATURAL WATERS RESULTING FROM ELECTRIC GENERATING PLANT OPERATIONS INCLUDING CHANGES IN TEMPERATURE, OXYGEN LEVELS, SALINITY, BIOCIDES, RADIONUCLIDES, AND "HEAVY" METALS. THIS RESEARCH ALSO INCLUDES COLLECTION AND ORGANIZATION OF RELEVANT INFORMATION AND DATA NECESSARY TO OPERATE PHYSICAL, MATHEMATICAL, AND BIOLOGICAL MODELING TOOLS;

(3) PROVISIONS FOR MONITORING OPERATIONS OF ELECTRIC POWER FACILITIES LOCATED IN THE STATE. THESE PROVISIONS INCLUDE BUT ARE NOT LIMITED TO A DETERMINATION OF ACTUAL DISTRIBUTION AND EFFECT OF TEMPERATURE, SALINITY, OXYGEN, RADIONUCLIDES, "HEAVY" METALS, AND BIOLOGICAL EFFECTS; RADIOLOGICAL; "HEAVY" METALS AND BIOCIDES EFFECTS; RECREATIONAL AND COMMERCIAL FISHING GAINS AND LOSSES; AND HUMAN HEALTH AND WELFARE EFFECTS;

(4) RESEARCH AND INVESTIGATIONS RELATING TO EFFECTS ON AIR RESOURCES OF ELECTRIC POWER PLANTS AND EFFECTS OF AIR POLLUTANTS FROM POWER PLANTS ON PUBLIC HEALTH AND WELFARE, VEGETATION, ANIMALS, MATERIALS, AND ESTHETIC VALUES, INCLUDING BASELINE STUDIES, PREDICTIVE MODELING, AND MONITORING OF THE AIR MASS AT SITES OF PROPOSED OR OPERATING ELECTRIC GENERATING STATIONS, EVALUATION OF NEW OR IMPROVED METHODS FOR MINIMIZING AIR POLLUTION FROM POWER PLANTS AND OTHER MATTERS PERTAINING TO THE EFFECT OF POWER PLANTS ON THE AIR ENVIRONMENT;

(5) AN ENVIRONMENTAL EVALUATION OF ELECTRIC POWER PLANT SITES PROPOSED FOR FUTURE DEVELOPMENT AND EXPANSION AND THEIR RELATIONSHIP TO THE WATERS AND AIR OF THE STATE;

(6) EVALUATION OF THE ENVIRONMENTAL EFFECTS OF NEW ELECTRIC POWER GENERATION TECHNOLOGIES AND EXTRAORDINARY SYSTEMS RELATED TO POWER PLANTS DESIGNED]] [[TO MINIMIZE ENVIRONMENTAL EFFECTS;

(7) DETERMINING THE POTENTIAL FOR CONSTRUCTION USES OF WASTE ENERGY TO BE RELEASED AT PROPOSED ELECTRIC PLANT SITES; AND

(8) ANALYSIS OF THE SOCIO-ECONOMIC IMPACT OF