

50-320



JAMES B. COULTER
SECRETARY

BUREAU OF MINES
ENERGY OFFICE
POWER PLANT SITING PROGRAM

STATE OF MARYLAND
DEPARTMENT OF NATURAL RESOURCES
ENERGY ADMINISTRATION
TAWES STATE OFFICE BUILDING
ANNAPOLIS 21401
(301) 269-2261

June 30, 1981

Bretta Applebaum Weis
TMI Program Office
Nuclear Regulatory Commission
Washington, DC 20555



Dear Ms. Applebaum Weiss:

Enclosed is a copy of our recent RFP regarding socio-economic impact of TMI discharge.

Any comments would be greatly appreciated.

Very truly yours,

Peter M. Dunbar, Ph.D., PE
Power Plant Siting Program

PMD/rl

COOK
5/11



JAMES B. COULTER
SECRETARY

BUREAU OF MINES
ENERGY OFFICE
POWER PLANT SITING PROGRAM

STATE OF MARYLAND

DEPARTMENT OF NATURAL RESOURCES
ENERGY ADMINISTRATION
TAWES STATE OFFICE BUILDING
ANNAPOLIS 21401
(301) 269-2261

June 28, 1981

Dear Prospective Bidder:

This letter constitutes a formal request for proposals for the Maryland Power Plant Siting Program. Requested are bids to assess the potential for any adverse socioeconomic impacts associated with the release of the processed waste water resulting from the March 1979 accident at Three Mile Island nuclear station, given that there are no adverse radioecological or health consequences.

Proposals will be evaluated on the basis of vendor's ability to design and perform such a study and the associated cost. All information considered to be proprietary and for which confidentiality is desired should be clearly labeled as such by the bidder. The State of Maryland reserves the right to reject any and all responses received by reason of this request without cost or obligation. Contractors whose proposals are not accepted will be so notified in writing.

Ten (10) copies of the proposal must be received at the issuing office by August 31, 1981. Proposals are not restricted to institutions in Maryland. Any proposals or amendments thereto received after the closing date will not be considered.

Maryland is an equal opportunity employer.

Very truly yours,

A handwritten signature in cursive script, appearing to read "Peter M. Dunbar".

Peter M. Dunbar, Ph.D., PE
Power Plant Siting Program

PMD:ph

State of Maryland
Department of Natural Resources
Power Plant Siting Program

Request for Proposals (RFP)

Contract to the Power Plant Siting Program for Technical Assistance
Risk Assessment of the Socio Economic Impact on
The Chesapeake Bay Fisheries Industry
By A Discharge of Processed Waste Water
From TMI Into The Susquehanna River

Starting Date: (On or about) November 1, 1981

Duration of Contract: One year

TABLE OF CONTENTS

SECTION I	Introduction
SECTION II	General Contractual Requirements
SECTION III	Scope of Work
SECTION IV	Evaluation Criteria
SECTION V	Financial Proposal

SECTION I. INTRODUCTION

A. Objective

The State of Maryland plans to acquire the services of a contractor to provide an assessment of the socioeconomic impact on the Chesapeake Bay Fisheries Industry by a discharge of processed TMI waste water into the Susquehanna River.

B. Issuing Office

Peter M. Dunbar
Power Plant Siting Program
Tawes State Office Building (B-3)
Annapolis, Maryland 21401
Phone: (301) 269-2261

The sole point of contact in the State for purposes of this request is the Issuing Office.

C. Addendum and Supplement to Request

If it becomes necessary to revise any part of this request or if additional data is necessary to enable the exact interpretation of provisions of this request, revisions will be sent to all Vendors receiving the initial RFP.

D. Closing Date

Ten (10) copies of your statement of qualification must be received by the program office by August 31, 1981. Responses or unsolicited amendments to statements of qualifications received after the closing date will not be considered.

E. Bidders Meeting

A meeting to discuss the RFP and the scope of study will be held at the Tawes State Office Building in Conference Room D-4 at 9 a.m. on July 27, 1981.

F. Acceptance

The State reserves the right to accept or to reject any and all submitted proposals and to negotiate separately, in any manner necessary, to serve the best interest of the State of Maryland. Vendors whose proposals are not accepted will be notified in writing.

G. Incurred Expenses

The State will not be responsible for any expenses incurred by a contractor in preparing and submitting a proposal.

H. Oral Presentations

Vendors who submit a proposal may be required to make an oral presentation to the Issuing Office. The Issuing Office will schedule the time and location for the presentation.

I. Evaluation Committee

Members of the Issuing Office and others will review all proposals and make recommendations for the selection of the Vendor to supply the consulting services specified in this RFP. Contract awards if any, are subject to appropriate State approvals.

J. Duration of Proposal Offer

The offering vendor must state the period for which the proposal will remain valid. Such period may be extended by mutual written agreement.

SECTION II. GENERAL CONTRACTUAL REQUIREMENTS

A. Compliance with Maryland Law

Before a corporation can do business with the State of Maryland, it must be registered with the Department of Assessments and Taxation, State Office Building, Room 803, 301 West Preston Street, Baltimore, Maryland 21201. Prior registration is not required for participation in the selection process.

B. Termination/Cancellation

The failure of the General Assembly of Maryland to appropriate funds in any future fiscal year for any contract resulting from this RFP will entitle the State to terminate the contract at the beginning of the fiscal year in which no funds have been appropriated for such contract.

C. Financial Soundness

The vendor must be financially sound and well managed. A certified annual report or statement of financial condition must be submitted with your statement.

D. Equal Opportunity

Any contract(s) resulting from this request must contain appropriate provisions against discrimination by the contractor(s) in employment and sub-contracting.

E. Contractor Responsibilities

The State will enter into contractual agreement with the offering vendors only. The offering vendors shall be responsible for all equipment and services as required by this RFP. Sub-contractors, if any, must be identified and complete description of their role relative to the proposal must be included.

F. Governing Laws

Any contract resulting from this RFP shall be governed by the laws of the State of Maryland.

G. Type of Contract

Any contract resulting from this RFP shall be a standard research contract of which copies are available for review upon request. This contract includes statements of liability and indemnification.

SECTION III SCOPE OF WORK

Objective

In March of 1981 the Nuclear Regulatory Commission issued the Final Programmatic Environmental Impact Statement regarding the cleanup of Three Mile Island. Among the options for the disposal of processed accident water considered in that statement is the discharge to the Susquehanna River.

It is desirable that the Maryland Power Plant Siting Program (MPPSP) evaluate the potential of such a processed water discharge to adversely effect the consumption of Chesapeake Bay seafood products and to describe the nature of such effects. Maryland's intentions in performing such a study are to independently develop information to supplement and complement information expected to be developed by the Nuclear Regulatory Commission (NRC). Consequently, this study will serve as partial background to the formulation of the State's position with respect to participation in any NRC decision making process.

Program Office Description

The Power Plant Siting program was established in 1971 to insure that demands for electric power will be met in a timely manner at reasonable cost while assuring that the natural environment is protected. The scope of the Program extends to predicting the impact of proposed new generating and transmission facilities, assessing the impact of existing generating facilities, acquiring suitable sites to be used for needed future generation, and investigating information gaps through a long-range research program. With the exception of radiological studies, the majority of work is performed by physical and biological scientists working for PPSP on a contractual basis. The work is administered by PPSP staff, who integrate results into the various decision processes concerning siting and impact questions.

Radiological analysis is performed by Power Plant Siting staff members. These individuals have been actively involved in comment and technical monitoring since the March 1979 event at Three Mile Island. Specific data has been and will continue to be generated independent of other agencies and utility groups.

Background

The TMI accident generated approximately 1.5 million gallons of contaminated water. About 50% of this water has been processed via the Epicor II system and is stored on site. Pending NRC approval, the remaining water will be processed by the submerged demineralizer system (SDS) and also stored on site. Processing is expected to reduce all radionuclide concentrations to trace levels except tritium. Tritium cannot be removed with such methods. The total tritium inventory on site will be approximately 4000 Ci. Through its own sampling and analysis capabilities the program office has verified the radionuclide concentrations present in the Epicor II processed water inventory. Similar independent verification will be applied to SDS processed water. Based upon these measurements and

our assessment of radiological impact associated with the discharge of greater quantities of radionuclides from normally operating reactors (pre-accident TMI, Peach Bottom, Calvert Cliffs) relative to fallout and background radioactivity, the office has concluded that there are no adverse radioecological or health impacts to the residents of Maryland or to biota in the Bay should the processed water be discharged into the Susquehanna River.

This office is concerned that the public reaction to the discharge option could adversely impact the economic structure and continued viability of Bay fishery industries as a result of consumer avoidance. This possibility is mentioned in the NRC's Final Programmatic Environmental Impact Statement. It is expected that the NRC will perform comprehensive studies of the socioeconomic impacts of the various discharge options. The State is not interested in duplicating those studies, but desires to develop information regarding socioeconomic risk to serve as background to the formulation of its position with respect to participation in any future NRC decision making process.

Requirements

In general the requirement of this office is that the vendor design and implement a study to assess the potential socioeconomic impacts on Maryland associated with a discharge of processed TMI accident water into the Susquehanna River. The approach to this problem must be clearly stated and the capability to implement and complete any such study must be indicated.

General Vendor Requirements

The successful vendor will exhibit a capability to acquire an in depth understanding of the somewhat unique nature of the Chesapeake Bay Fishery industry, the nature of employment as a Bay Waterman, and the community-economic interlacing which exists. The vendor must be able to understand the nature of the product market and the extent of competition from other regions. Recreational activities such as hunting, fishing, and pleasure boating should also be considered.

The vendor must be able to research the historical record to ascertain events which resulted in consumer avoidance or, on the other hand, events in which an expected consumer avoidance did not materialize. It is recognized that no one past event is entirely similar to the situation at hand; however, the vendor must be able to evaluate various aspects of other events which could provide indications as to what could be the case with a discharge from TMI.

The vendor must be able to evaluate the various public arguments relating to the discharge option in terms of any impact they may have upon the potential of an avoidance reaction. This evaluation must include an understanding of the current and projected role which the media and official statements could play in influencing public opinion.

Scope of Work

The following task definitions represent the desired approach to this problem. Although these tasks are felt to be essential in addressing the issue at hand, the vendor may go beyond these points in their response to this RFP and identify other important issues/approaches in a risk assessment of this nature.

Background

Task 1: In conjunction with the program office and Tidewater Fisheries Administration the general nature of the resource at risk must be described. This includes the nature of the Chesapeake Bay Fishery industry, the types and relative importance of the markets which the industry serves, the extent of competition which exists from other regions and markets, and the nature of the community/industry relationships which exist.

Task 2: Economically important recreational industries should be identified as they relate to a resource at risk.

Approach

Task 3: The historical record must be searched in order to ascertain events which resulted in consumer avoidance or, on the other hand, events in which an expected consumer avoidance did not materialize. The search should not be limited to events which relate to fisheries industries.

Task 4: The events identified in Task 3 must be critiqued as to the historical elements which are in some way analogous to the situation at hand.

Conclusions

Task 5: Based upon the results of Tasks 3 and 4, the potential that a consumer avoidance of Chesapeake Bay Seafood products or recreational activities would occur as a result of a discharge of processed TMI accident water into the Chesapeake Bay must be evaluated.

Task 6: Based upon all the preceding tasks, conclusions must be made as to the likelihood that a consumer avoidance reaction could adversely affect the economics of the Bay related industries. The critical components of the industry which would be impacted should be identified.

Task 7: The nature of the economic impact must be described. This includes description as to who would be impacted, how long such an impact would occur, and how any impacts depend upon the length of any reaction.

Task 8: An evaluation must be made as to the continued viability of the industry in terms of nature of long term impacts and its dependence upon the length and severity of any reaction.

Caveat Development

Task 9: Lastly, an evaluation must be made as to dependence of the above conclusions upon media coverage, the influence of public officials and opinion makers, and other factors.

SECTION IV - EVALUATION CRITERIA

- Has the vendor demonstrated a capability to design and implement study program of this nature.
- Does the vendor possess a knowledge of the Chesapeake Bay Region, and the regional elements essential to this study.
- Has the vendor demonstrated a clear understanding of the scope of the technical assistance required.
- Do the project team members possess sufficient experience, skills and education and are the skills of the team members compatible and complimentary.
- Is the proposed approach reasonable and likely to produce useful information.
- Are contractual milestones identified and do these milestones represent a reasonable schedule.

SECTION V - FINANCIAL PROPOSAL

The financial proposal shall be separate from the technical proposal. Where subcontractors are involved, information should be supplied at the same level of detail as the prime contractor. Contracts are written on a cost plus fixed fee with maximum ceiling basis.

The detail to be included is as follows:

- Total Salaries and Wages
- Travel
- Materials (including rentals)
- Indirect Costs (Define)
- Fee
- Overhead
- Total Costs