

## Parametrix, Inc.

Consultants in Engineering and Environmental Science

13020 Northup Way Bellevue, WA 98005  
206-455-2550 • Fax: 206-869-9556



A. Elizabeth Gordon, Ph.D.  
WIPP Permit Coordinator  
State of New Mexico  
Environment Department  
Harold Runnels Building  
1190 St. Francis Drive, P.O. Box 26110  
Santa Fe, NM 87502

December 20, 1991  
80-2932-01 (W5)

Re: Review of Resource Conservation and  
Recovery Act Permit Application and  
Other Technical Documents

Dear Dr. Gordon:

Thank you for the opportunity to submit our technical proposal and qualifications to conduct review of the WIPP RCRA permit application and technical documents. After careful consideration, Parametrix has selected Applied Research Associates, Inc., of Albuquerque, and TRC Environmental Consultants, Inc., as subconsultants on this project. We believe you will find that our combined resources and the resulting proposal offer you the strongest team for your project.

### Proposal Organization

Our attached proposal addresses the various issues associated with technical review of documents under RCRA regulations. Our submittal is organized by the following sections as outlined in your Request for Proposal (RFP).

- Section 1: General Liability Insurance
- Section 2: Professional Liability Insurance
- Section 3: Key Personnel
- Section 4: Project Understanding and Approach
- Section 5: Relevant Project Experience
- Section 6: Estimated Costs
- Section 7: Local Office Documentation
- Section 8: References
- Section 9: Subcontractor Qualifications
- Section 10: Conflict of Interest Forms
- Section 11: Standard Operating Procedures
- Section 12: Equal Employment Opportunities

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A. Elizabeth Gordon, Ph.D.  
WIPP Permit Coordinator  
State of New Mexico,  
December 24, 1991  
Page 2

As we understand, the State of New Mexico is in need of a consultant to perform the technical review of documents associated with the WIPP permit application. These tasks include: completeness determination; technical evaluation of documents; evaluation of engineering components and responses from applicants; decision analysis, and administrative support of general permitting activities.

### Experienced and Committed Project Team

The project team we have selected has experience in all the above referenced tasks, as well as extensive overall RCRA-related services. Mr. Clyde Moore, P.E., Program Manager, and Mr. Bill Kane, Project Manager, have over 30 years combined experience with hazardous waste. They are currently assisting the Washington State Department of Ecology with technical review services for the Hanford facility in Richland. Two key members of ARA working with us include Mr. John Gibbons and Mr. Terry Steinborn. Both have extensive experience with hazardous waste, and are knowledgeable about the WIPP facility. Mr. Kirk Wings of TRC has over 20 years experience with air quality investigations and monitoring, and has managed over 100 air quality studies. We have included resumes which reflect these individuals' experience, as well as other key team members resumes.

Specifically, our RCRA experience includes the preparation or review of:

- RCRA Part A and B permits,
- Waste stream characterization reports,
- RCRA facility investigation/corrective measure study work plans,
- CERCLA remedial investigation/feasibility study work plans,
- Design plans and specifications for land disposal of hazardous, radioactive, and mixed wastes,
- RCRA site-wide background soil sampling plan, and
- RCRA characterization and use of soil and groundwater background.

In addition to our RCRA project specific experience, Parametrix provides services in a wide range of areas, including:

- |                                   |                          |
|-----------------------------------|--------------------------|
| • hazardous waste engineering     | • sanitary engineering   |
| • civil engineering               | • risk assessments       |
| • environmental impact statements | • environmental planning |



A. Elizabeth Gordon, Ph.D.  
WIPP Permit Coordinator  
State of New Mexico,  
December 24, 1991  
Page 3

- hydrogeology
- gas management
- regulatory analyses
- chemical/industrial engineering
- statistics
- data management

From these disciplines, we have identified over 40 professionals specifically for your project with the resources of over 300 additional staff from which to draw should it become necessary. Our firm is large enough to handle large, complex projects such as RI/FSs, but we also assist our clients with smaller projects such as property transaction transfers.

**Local Presence Means Immediate Response to NMED**

In addition to the extensive technical skills which the Parametrix Team offers to NMED, we understand the importance of effective communications with our clients. With ARA located in Albuquerque, we can ensure NMED that we will provide immediate response to any issues which may arise during the course of this project. In addition, Parametrix has worked with clients located throughout the U.S., including Oregon, Montana, Maine, Alaska, California, and many others.

Parametrix understands the importance of this project to New Mexico's Environment Department, and it matches our capabilities very closely. We appreciate your consideration of our submittal and look forward to the opportunity to further discuss this project during the next step of the selection process.

Sincerely,

**PARAMETRIX, INC.**

Ramon A. Beluche, Ph.D.  
Principal in Charge

Technical Proposal and Qualifications

**Review of Resource Conservation  
and Recovery Act Permit Application -  
Waste Isolation Pilot Plant (WIPP)**



*State of New Mexico*  
*ENVIRONMENT DEPARTMENT*  
Hazardous and Radioactive Materials Bureau

PROGRAM SUPPORT BUREAU  
EID  
91 DEC 26 AM 9:31

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**Parametrix, Inc.**

13020 Northup Way  
Bellevue, WA 98005



## **PARAMETRIX, INC. BACKGROUND**

Parametrix is a professional services firm assisting clients with their engineering and environmental needs. A medium-sized firm, we are large enough to complete major projects, but small enough to ensure that each project receives the attention of senior management. The firm is a qualified Minority-owned Business Enterprise, certified by local and state agencies.

We undertake projects utilizing a team approach, drawing upon the skills of personnel in various offices to ensure responsiveness to project requirements. The principals of Parametrix have learned that close client coordination and communication are the key factors in meeting the objectives of our clients. We have six offices in Washington, Oregon, California, and Hawaii. Each office is managed and directed by a senior management professional skilled in directing projects in accordance with local requirements. We have close coordination between our offices in order to draw upon the diverse disciplinary talents of our professional staff.

Since 1969, Parametrix has worked with a variety of clients including local, state, and federal agencies, port districts, public utility districts, and private corporations. We assist these clients with municipal, civil, and environmental engineering. We also conduct environmental and natural resource studies such as fisheries, environmental impact assessments, water quality investigations, toxicology assessments and comprehensive planning projects.

Our staff is comprised of health physicists and toxicologists, civil and environmental engineers, scientists, and planners capable of analyzing the potential impact of a project or programmatic proposal on the physical and human environment of any locality. Parametrix has a staff of approximately 250 employees organized into the following technical groups:

- Hazardous Waste Management
- Solid Waste Management
- Toxicology
- Civil Engineering
- Fisheries and Aquatic Resources
- Wetlands Management
- Terrestrial Ecology
- Environmental Planning
- Land Development
- Traffic and Transportation.

## **HAZARDOUS, RADIOACTIVE, AND MIXED WASTE MANAGEMENT**

A range of services are provided by our Hazardous Waste Management Group. The specialized experience of our staff includes a thorough knowledge of regulatory requirements, site procedures assessment, liaison with regulatory agencies, and the design and implementation of investigative programs, monitoring programs and remedial activities. These technical staff have the proper training and the appropriate protective and surveillance equipment required to enter and investigate waste sites. Parametrix has worked on Federal Superfund landfills and other municipal landfills where radioactive contamination issues have emerged. In addition, we are providing technical support to the Washington State Department of Ecology for the cleanup activities at the Hanford Nuclear Reservation.

**Hazardous, Radioactive, and Mixed Waste Management** services we provide include:

- Preparation and review of RCRA facility Part A and Part B Permit applications
- Technical support involving RCRA and CERCLA/SARA actions and activities
- Preparation of RCRA closure plans, applications for facility closures and facility closure negotiations
- Review of Federal and State regulations and Department of Energy orders
- Radiological Sciences/Health Physics
- Hazardous, radioactive, and mixed waste and material containment and disposal plans
- Leachate and gas management engineering
- Design of industrial effluent treatment systems
- Assessment and mitigation of soil, groundwater and air contamination
- Chemical engineering
- Environmental audits of industrial facilities, waste sites and real estate.

This group also includes specialists in geology and groundwater resources who have technical expertise in the geohydrological aspects of hazardous waste management, environmental pollution risk assessment, characterization of physical and chemical aspects of groundwater aquifers, and design of measures to mitigate soil and groundwater contamination.

## **SOLID WASTE MANAGEMENT**

Our staff is experienced in virtually every aspect of the solid waste management field. Members have presented expert testimony related to solid waste management in federal court, and have made presentations on solid waste management issues on behalf of the United Nations, U.S. Environmental Protection Agency, the Washington State Department of Ecology, the Government Refuse Collection and Disposal Association, and the University of Washington.

**Solid Waste Management** services include:

- Preparation of comprehensive solid waste management plans
- Siting, design, operation, and closure of solid waste landfills
- Study of groundwater quality impacts due to leachate migration
- Research on the quantity and quality of gases produced during refuse decomposition, and energy recovery feasibility
- Design, construction and operation of landfill gas control systems
- Siting and design of transfer stations
- Resource recovery projects
- Environmental impact statements for solid waste disposal facilities
- Implementation of recycling programs and facilities
- Yard waste composting facilities.

## **TOXICOLOGY**

Parametrix has professional staff who provide a wide variety of expertise used to evaluate toxicity concerns. We have a group of aquatic toxicologists who conduct and interpret both acute and chronic bioassays at our in-house laboratory. They are experienced in conducting exposure assessments, toxicological risk evaluations, fate and transport modeling, as well as design and assessment of mitigation options. This staff specializes in ecological and human health risk assessments, NPDES permitting issues and toxicity reduction/identification evaluations.

**Toxicological** services that we provide include:

- Acute and chronic bioassays
- Biomonitoring
- Toxicity identification/reduction evaluations
- Toxicity data analysis and interpretation
- Interpretation of federal and state regulations
- Permit assistance



- Dredging sediment analysis
- Groundwater modeling
- Expert testimony.

## **CIVIL ENGINEERING**

Our Engineering Group has extensive experience in all aspects of civil engineering, including planning, design, cost estimating, and construction management of municipal and general public works projects.

**Civil Engineering** services we provide include:

- Hydrology and urban runoff management
- Water distribution and storage
- Wastewater collection, treatment and disposal systems
- Outfall design
- Dredge and fill
- Park, recreation and trail facility development
- Marine and waterfront facilities
- Economic feasibility analyses
- Structural design and analysis.

## **FISHERIES AND AQUATIC RESOURCES**

The Natural Resources Group of Parametrix, Inc. includes technical specialists who perform both biological impact assessments and specialized biological resources studies. These professionals are fisheries and aquatic resources biologists, water quality specialists, wetland ecologists, wildlife biologists, botanists and toxicologists.

Projects conducted by the fisheries and aquatic resources biologists range from fisheries and water quality impacts associated with hydroelectric development to investigations in the marine environment related to shoreline development, wastewater outfalls, marinas, and toxic wastes. Our experience in performing these types of projects includes reviewing existing literature, designing and implementing programs for data collection, conducting a wide variety of field sampling efforts, and using methods of statistical analysis and mathematical modeling to process this information. Parametrix maintains its own equipment for field sampling, and laboratory facilities for basic water quality analyses and toxicity bioassays.

**Fisheries and Aquatic Resources** services include the following:

- Baseline biological sampling
- Fish habitat evaluation and impact analysts
- Hydroelectric project impacts
- Instream flow requirements (IFIM)
- Benthic invertebrate assessments
- Chemical characterization of sediments
- Water quality characterizations
- Measurement of hydrological and oceanographic processes
- Population estimates of aquatic biological resources
- Nutrient and pollutant loading analysis
- Effluent transport and dilution modeling.

### **WETLANDS MANAGEMENT**

Our wetlands ecologists are trained to conduct specialized wetland investigations. Wetlands ecologists provide expert assistance to ensure that private and public development projects can be built in compliance with existing wetland regulations. In addition to development projects, we assist local governments by conducting wetland inventories which allow for more predictable development in their jurisdictions.

**Wetlands** services include the following:

- Wetland inventories and delineations
- Assessments of wetland functions
- Classification and rating of wetland systems
- Evaluation of project impacts on wetland functions
- Analysis of regulatory policies
- Permit assistance
- Wetland restoration and creation as mitigation
- Recommend wetland buffer requirements
- Freshwater and marine macrophyte surveys.

### **TERRESTRIAL ECOLOGY**

We have a wildlife biologist certified in the U.S. Fish & Wildlife Service Habitat Evaluation Procedures (HEP). Both our wildlife biologists and our botanists are qualified to identify and make recommendations with regard to threatened and endangered species, and are experienced in working with resource agencies.

Wildlife biologists who are members of our Natural Resources Group provide specialized wildlife investigations. These include:

- Mapping and inventory of existing vegetation and/or wildlife habitats within a study area
- Impact analysis of proposed development activities
- Development of mitigation plans.

### **ENVIRONMENTAL PLANNING**

Our Environmental Planning Group prepares environmental assessments and impact statements, as well as related technical documents. The staff maintains an up-to-date working knowledge of local, state, and federal regulations which pertain to the environmental review process, including guidelines for implementing the State Environmental Policy Acts and the National Environmental Policy Act (NEPA), as well as regulations pertaining to Federal Energy Regulatory Commission applications and shoreline development.

Many of the projects conducted by this division have involved complex, controversial, proposed actions, requiring strict adherence to all applicable regulations and guidelines and effective coordination with local citizens through a public involvement program.

**Environmental Planning projects include:**

- Shoreline development, including pleasure craft marinas and naval fleet port facilities
- Major residential and mixed-use business park developments
- Transportation improvements
- Wastewater facilities plans
- Solid waste landfill siting and closure studies.

Our planning staff provide expertise in land use planning and forecasting, facility planning, demographic analysis and forecasting, and facility siting.

They provide economic base studies, industrial location analysis, and economic development strategy formulation. Our technical staff maintain a working knowledge of federal, state and local data sources as well as local land use plans, policies and controls, and the State and National Environmental Policy Act (SEPA and NEPA) guidelines and regulations. Planning and economics services include analyses of:

- Projection of population, employment and housing
- Facility siting analysis
- Land use impact analysis

- Impact assessment on:
  - health and social services
  - public infrastructure
  - recreation
  - employment and income
- Economic base studies
- Economic development analysis.

## **LAND DEVELOPMENT**

We provide commercial, residential, and industrial site planning and development for commercial, residential, and industrial projects through a combination of technical groups that include planning, surveying, engineering, and environmental sciences. Depending on the size and complexity of a project, Parametrix staff have conducted special investigations to ensure that wetlands, aquatic and marine aspects of the natural environment are properly protected and that appropriate environmental documentation, in the form of an environmental impact statement, assessment, or checklist, is prepared.

Typically, our land development services include site planning, surveying, mapping, and legal descriptions; utility and site engineering; hydrology and runoff management; traffic circulation and control; permit assistance; and construction staking, management and inspection.

**Land Development** services provided by Parametrix include the following:

- Grading and drainage design
- Utilities design
- Sewage collection
- Parking and circulation
- Signalization
- Permit application
- Wetlands delineation and mitigation
- Environmental impact assessments
- Construction management.

## **TRAFFIC AND TRANSPORTATION**

Our Traffic and Transportation Group has considerable experience with a broad range of roadway and traffic engineering projects. These include the design of arterial and collector roadways, analysis and design of mitigating measures for properties affected by roadway improvements, the design of traffic control facilities and systems, and the design and construction of non-motorized traffic facilities.

**Traffic and Transportation** services we provide include:

- Roadway facilities design and upgrade
- Storm drainage, sewer, and utility design
- Design rockeries, retaining walls and parking
- Intersection and roadway segment capacity analysis
- Intersection signalization and signage
- Lighting analysis and design
- Channelization and intersection geometrics
- Design of bicycle, pedestrian, and equestrian trail systems
- Coordination with public and private utilities
- Property owner coordination, public meetings, and LID formations.

**GENERAL SERVICES**

**PUBLIC INVOLVEMENT**

Parametrix uses public involvement programs as an effective way to build consensus and prevent needless controversy by providing credible information and subsequent opportunities for public participation throughout the planning stage of a project. We assist many clients with the identification of social, political, and economic issues which might enhance or impede project approval. Likewise, we recommend strategies for capitalizing on assets and overcoming potentially negative issues. Parametrix is skilled at planning meetings and presentations that foster cooperation and useful feedback from the public. Our staff are also experienced at selecting advisory committees, guiding the interaction of agencies and private clients with committees and citizen groups, and responding to public comments.

**COMPUTER CAPABILITIES**

The Parametrix computer system is an integrated system of IBM-compatible personal computers located in all Parametrix offices. The system is used for scientific modeling and analysis, database development and manipulation, telecommunications, project management, and word processing and report production. A large pool of computers is available to all staff to provide direct access to the system and maximum flexibility. We also provide computer-aided drafting (CAD) and high-quality plotters. Our computer systems include Geographic Information Systems (GIS).

### **Geographic Information System (GIS):**

- Fully supported SUN Workstation using ARC/INFO software.
- Integrate satellite and other remotely sensed resource imagery with GIS data.
- Capable of transferring Intergraph and Autocad CAD files into ARC/INFO GIS files for processing and mapping.

### **Modeling and Analysis:**

- Comprehensive spreadsheet, statistical, and equation solving software.
- Topographic and 3-dimensional surface plotting systems.
- A library of engineering, scientific, and biological models in FORTRAN and other high-level languages.

### **Telecommunications:**

- FAX system for rapid transmission of any printed material.
- High-speed modem capacity for intercomputer file transfer.
- Subscriber to the CompuServe communication service for access to over 700 on-line databases and electronic mail service.

### **Word Processing:**

- Laser printers for fast, high-quality production of printed documents.
- Complete translation capability with over a dozen word processing systems.

### **Computer Aided Drafting (CAD):**

- Wildsoft coordinate geometry and data terrain modeling software, integrated with AUTOCAD Version 9 to supplement automated field data collection and computing capabilities.
- Ability to interface with digitally produced aerial mapping data for manipulation of field data collection and computing capabilities.
- High-speed accuracy for site planning, site engineering, earthwork calculations, site and facilities mapping.

## **SURVEYING**

Parametrix also maintains a Surveying Group with extensive background in cadastral, topographic, route, and construction staking surveys, and preparation of legal documents for right-of-way and easement acquisition. This technical group works closely with the engineering design and planning staff to ensure effective coordination from initial project concepts through construction.

## **SUPPORT SERVICES**

Parametrix has organized its staff and resources to meet our clients' expectations. Professionals in graphics, word processing, and editing support the technical staff to help produce clear, concise technical documents and reports. A technical library and a computer search service access the latest technical information to help develop the most appropriate solution for a client's specific circumstance.

## **PROJECT MANAGEMENT**

Parametrix operates with a Project Manager/Project team framework so that each project is assigned to the staff members most suited to produce a complete and professional product. The Project Manager assigned to direct a particular effort is the individual whose professional capabilities and experience are most relevant to the requirements of the project. Parametrix utilizes state-of-the-art management tools and computerized databases to provide immediate information, personnel allocation, task budgets and expenditures, and schedule compliance. Project Managers are responsible for:

- Developing program content, objectives, and priorities
- Establishing schedules and budgets
- Assembling and coordinating Project team member task assignments
- Monitoring work progress
- Coordination with the client.

## FACILITIES

### WASHINGTON

- P.O. Box 460  
1231 Fryar Avenue  
Sumner, WA 98390  
(206) 863-5128  
FAX # (206) 863-0946

- 13020 Northup Way  
Bellevue, WA 98005  
(206) 455-2550  
FAX # (206) 869-9556

- 5700 Kitsap Way, Suite 202  
Bremerton, WA 98312  
(206) 377-0014  
FAX # (206) 479-5961

### HAWAII

- 1164 Bishop Street, Suite 1400  
Honolulu, HI 96813  
(808) 524-0594  
FAX # (808) 523-2995

### OREGON

- 6130 N.E. 78th Court  
Suite No. C-7  
Portland, Oregon 97218  
(503) 256-5444  
FAX # (503) 256-4221

### CALIFORNIA

- 100 S. Ellsworth, 9th Floor  
San Mateo, California 94401  
(415) 696-3155  
FAX # (415) 348-3017



## 1. GENERAL LIABILITY INSURANCE

Parametrix, Inc., as the prime consultant for this project, maintains comprehensive general liability insurance (\$3,000,000), and automobile liability insurance (\$1,000,000). At the end of Section 2, we have included a certificate of insurance which documents insurance coverage and limits of liability. Parametrix will obtain worker's compensation insurance, as required by law, for its employees performing services in the State of New Mexico. Applied Research Associates, Inc. (ARA), Parametrix' proposed subconsultant, maintains \$5,000,000 comprehensive general liability insurance. ARA complies with the worker's compensation laws of New Mexico. TRC Environmental Consultants, Inc. maintains \$1,000,000 comprehensive general liability insurance. TRC will obtain worker's compensation insurance, as required by New Mexico law.

## 2. PROFESSIONAL LIABILITY INSURANCE

Parametrix, Inc., as the prime consultant for this project, maintains \$1,000,000 professional liability insurance in place of bonds. Our insurance coverage is described in the certificate of insurance at the end of this section. TRC Environmental Consultants, Inc. maintains \$2,000,000 professional liability insurance.

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# CERTIFICATE OF INSURANCE

TED 02361

ISSUE DATE (MM/DD/YY)

12/10/91

**PRODUCER**

JURLEY ATKINS & STEWART  
1800 NINTH AVE #1500  
SEATTLE WA 98101

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW.

**COMPANIES AFFORDING COVERAGE**

- COMPANY LETTER **A** AMERICAN STATES INSUR.
- COMPANY LETTER **B** PLANET INSURANCE CO
- COMPANY LETTER **C**
- COMPANY LETTER **D**
- COMPANY LETTER **E**

**INSURED**

PARAMETRIX INC  
P O BOX 460  
SUMNER, WA 98390

**COVERAGES**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED, NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

TYPE OF INSURANCE	POLICY NUMBER	POLICY EFFECTIVE DATE (MM/DD/YY)	POLICY EXPIRATION DATE (MM/DD/YY)	LIMITS
<input checked="" type="checkbox"/> GENERAL LIABILITY <input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS MADE <input checked="" type="checkbox"/> OCCUR. <input type="checkbox"/> OWNER'S & CONTRACTOR'S PROT. <input checked="" type="checkbox"/> WA STOP GAP <input checked="" type="checkbox"/> EMPLOYEE BENEFIT	02CC2947473	10/20/91	10/20/92	GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMP/OP AGG. \$ 2,000,000 PERSONAL & ADV. INJURY \$ 1,000,000 EACH OCCURRENCE \$ 1,000,000 FIRE DAMAGE (Any one fire) \$ 50,000 MED. EXP. (Any one person) \$ 5,000
<input checked="" type="checkbox"/> AUTOMOBILE LIABILITY <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> NON-OWNED AUTOS <input type="checkbox"/> GARAGE LIABILITY	02CC2947473	10/20/91	10/20/92	COMBINED SINGLE LIMIT \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE \$
<input type="checkbox"/> EXCESS LIABILITY <input type="checkbox"/> UMBRELLA FORM <input type="checkbox"/> OTHER THAN UMBRELLA FORM	01SU08710930	10/20/91	10/20/92	EACH OCCURRENCE \$ 1,000,000 AGGREGATE \$
<input type="checkbox"/> WORKER'S COMPENSATION AND EMPLOYERS' LIABILITY				STATUTORY LIMITS EACH ACCIDENT \$ DISEASE - POLICY LIMIT \$ DISEASE - EACH EMPLOYEE \$
<input type="checkbox"/> OTHER PROFESSIONAL LIABILITY	NTF2015876	11/12/91	11/12/92	\$1,000,000 EACH CLAIM AND \$2,000,000 IN THE AGGREGATE

**DESCRIPTION OF OPERATIONS/LOCATIONS/VEHICLES/SPECIAL ITEMS**

PROJECT: RCRA PERMIT APPLICATION/TECHNICAL DOCUMENT. REVIEW FOR DEPARTMENT OF ENERGY WASTE ISOLATION PILOT PLANT.

**CERTIFICATE HOLDER**

NEW MEXICO ENVIRONMENTAL DEPARTMENT  
P O BOX 26110  
SANTA FE, NM 87502-6110

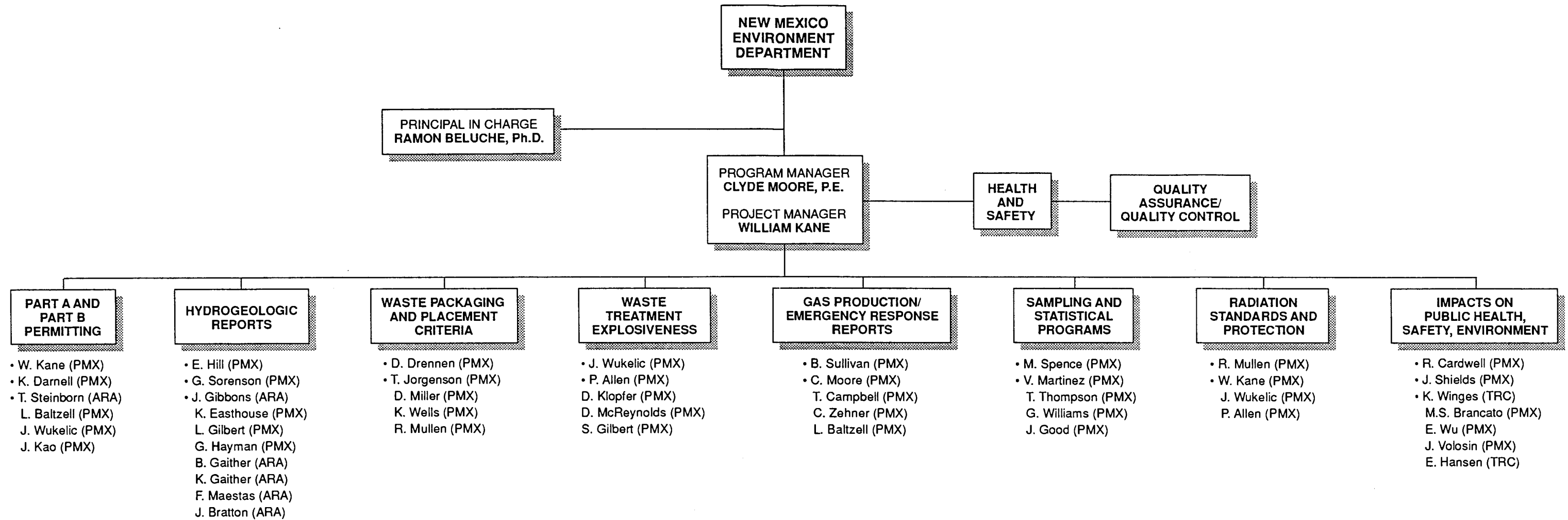
**CANCELLATION**

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, THE ISSUING COMPANY WILL ENDEAVOR TO MAIL 30 DAYS WRITTEN NOTICE TO THE CERTIFICATE HOLDER NAMED TO THE LEFT, BUT FAILURE TO MAIL SUCH NOTICE SHALL IMPOSE NO OBLIGATION OR LIABILITY OF ANY KIND UPON THE COMPANY, ITS AGENTS OR REPRESENTATIVES.

**AUTHORIZED REPRESENTATIVE**



# Project Team Organization



• Denotes Lead Staff

PMX - Parametrix, Inc.  
 ARA - Applied Research Associates, Inc.  
 TRC - TRC Environmental Consultants, Inc.

## Representative RCRA Experience

- Washington State Department of Ecology, Consulting Services for Environmental Cleanup at Hanford Facility
- Washington State Department of Natural Resources, On-Call Hazardous Waste Services
- Environmental Security Corporation, Grant County Waste Facility Part B Application Preparation and Review
- Preston-Thorgrimson, Continuing RCRA, CERCLA/SARA Services

## Team Strengths

**RCRA Experience** - Parametrix is the prime contractor providing technical and regulatory review of RCRA and CERCLA documents at the Hanford Reservation.

**Technical Expertise** - The Parametrix team consists of highly qualified and experienced professionals in all aspects of RCRA/HSWA, CERCLA/SARA, mixed waste issues and all relevant regulations.

**Resources** - In addition to the key staff identified in the organization chart the Parametrix team has over 300 technical staff members available to support this project.

**Project Management Team** - Messrs. Moore and Kane have 23 years and 8 years experience, respectively. Their experience includes a wide range of hazardous waste related projects, including technical review of permit applications under RCRA regulations.