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INTEROFFICE CORRESPONDENCE

DATE: September 7, 1995

TO: Gabriele Greene, Procurement

FROM: *[Signature]*
Rick Roberts, Technical Support, Remediation Services, X8508
FAX# 966-8556, Cubicle #315

SUBJECT: INITIATION OF THE MODIFICATION TO THE STATEMENT OF WORK
FOR THE 903 PAD AND WINDBLOWN SOILS IM/IRA - RSR-004-95

ACTION: Initiate Modification to Statement of Work

The following four items are attached to this letter so that a contract modification can be initiated as we have discussed:

- 1) An approved modification to the Statement of Work (SOW) for the Interim Measures/Interim Remedial Action (IM/IRA) for the 903 Pad and Windblown Soils (Formerly known as the Corrective Measures Study/Feasibility Study For The 903 Pad, Mound and East Trenches Area).
- 2) A revised schedule for the IM/IRA.
- 3) "Deliverable Due Dates" per Section 5.0 of the modified SOW.
- 4) A Preprocurement Organizational Conflicts of Interest Fact Sheet.

This SOW modification will neither increase or decrease the cost for the project. Please initiate this modification at your earliest possible convenience. If you have any questions or comments, please call me.

Attachments: As Stated

cc:
Susan Evans (Items 1 & 2 Above Only)
John Hopkins (Items 1 & 2 Above Only)
John Law (Items 1 & 2 Above Only)
Annette Primrose (Items 1 & 2 Above Only)
Document Control (2)

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MODIFICATION TO
STATEMENT OF WORK
for
Phase II
Corrective Measures Study/Feasibility Study
903 Pad, Mound and East Trenches Area
(Operable Unit 2)
Interim Measures/Interim Remedial Action
903 Pad and Windblown Soils
Rocky Flats Environmental Technology Site

Prepared for:

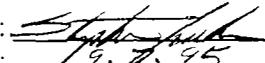
Department of Energy
Rocky Flats Field Office
Golden, Colorado

Prepared by
Rocky Mountain Remediation Services
Remediation Technical Support
EG&G Rocky Flats
~~Environmental Restoration Program Division~~

Purchase Requisition No. P355114

Revised ~~March 1, 1995~~ September 6, 1995

Manager Approval: 
ALP Date: 9/7/95

QA/QC Review: 
Date: 9.7.95

Classification Review: Not Applicable
Date: 9/6/95

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MODIFICATION TO
STATEMENT OF WORK
for
Phase II
Corrective Measures Study/Feasibility Study

903 Pad, Mound and East Trenches Area
(Operable Unit 2)

Interim Measures/Interim Remedial Action
903 Pad and Windblown Soils
Rocky Flats Environmental Technology Site

1.0 **OBJECTIVE**

This Statement of Work (SOW) has ~~five~~ two objectives: 1) ~~develop a contaminant fate and transport ground water model for use in evaluating remedial action alternatives~~ **Develop an Interim Measures/Interim Remedial Action (IM/IRA) document for the 903 Pad and windblown soils,** 2) ~~perform a Phase II Corrective Measures Study/Feasibility Study (CMS/FS)~~ **3) prepare a Proposed Remedial Action Plan (PRAP),** 4) Provide support for a public hearing and prepare a Responsiveness Summary (RS) **for the IM/IRA document and** 5) ~~prepare a Corrective Action Decision/Record of Decision (CAD/ROD) document for the 903 Pad, Mound and East Trenches (Operable Unit 2) at the Rocky Flats Environmental Technology Site.~~

The objective of the ~~CMS/FS~~ **IM/IRA** is to provide the basis for the remedy selection process for ~~Operable Unit 2 (OU2)~~ **the 903 pad and windblown soils** and to select the appropriate remediation alternative for implementation. **The 903 Pad and Windblown Soils IM/IRA will be the basis for implementing a remedial action, if appropriate .**

2.0 **SCOPE**

The scope of this SOW includes ~~performance of Phase II of a comprehensive CMS/FS~~ **the development of an IM/IRA** for identifying and evaluating remedial action alternatives for ~~OU2~~ **the 903 Pad and windblown soils.** This shall involve the development of performance criteria and the evaluation of alternatives by the functional categories for the nine National Contingency Plan (NCP) sections 300.430 (e)9 and 300.430 (f)(1)i. ~~This shall also include preparation of the decision documents for remedial action at OU2 which includes the PRAP and the CAD/ROD .~~ **One remediation alternative shall be chosen for implementation within the IM/IRA. The 903 Pad and Windblown Soils IM/IRA will be the basis for implementing a remedial action, if appropriate .**

3.0 **BACKGROUND AND APPLICABLE DOCUMENTS**

3.1 **Background**

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The term ~~Corrective Measures Study/Feasibility Study~~ **Interim Measures/Interim Remedial Action (IM/IRA)** is used in the Interagency Agreement (IAG) to describe the process for identifying, screening, evaluating and selecting hazardous waste site remediation alternatives. As used in the IAG, the ~~CMS/FS~~ **IM/IRA** incorporates elements of the Resource Conservation and Recovery Act (RCRA) ~~corrective measures study~~ **Interim Measures** and Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) ~~feasibility study~~ **Interim Remedial Action** processes.

The ~~CMS/FS~~ **IM/IRA** is a fundamental component of the CERCLA/Superfund Amendments and Reauthorization Act (SARA) risk management decision-making process. The ~~CMS/FS~~ **elements of the IM/IRA** ~~is a primary~~ are a component of the risk management process as described by the National Academy of Sciences (National Academy Press, 1983). In this context, risk management entails consideration of risk-related information, engineering information, economic evaluations in conjunction with political and social concerns to support the process of evaluating alternative actions and selecting among them. Considerations of risk reduction, regulatory compliance, engineering optimization, and economics are quantitatively evaluated in the ~~CMS/FS~~ **IM/IRA**. Political and social concerns are assessed qualitatively.

~~CMS/FS~~ **IM/IRA** findings provide a basis for remedy selection and are a major factor in determining the long-term technical, economic and social outcome of the CERCLA/SARA process site remediation process. Subcontractor's critical evaluation of all relevant considerations in the ~~OU-2 CMS/FS~~ **IM/IRA** will assist ~~EG&G Rocky Mountain Remediation Services, Kaiser-Hill~~ and the U.S. Department of Energy (DOE) in identifying an optimal risk-to-benefit based remedy within the current regulatory framework.

3.2 Applicable Documents

The following documents are applicable to performing the work specified in this SOW. Applicable ~~EG&G Rocky Mountain Remediation Services and Kaiser-Hill~~ documents will be supplied upon request to the subcontractor as required for preparation of this document:

Contaminants of Concern Technical Memorandum, Draft Final, Operable Unit 2, ~~EG&G Rocky Flats~~ DOE, August, 1994

Preliminary Draft RCRA Facility Investigation/Remedial Investigation Report, Operable Unit No. 2, ~~EG&G Rocky Flats~~ DOE., December, 1993.

Rocky Flats Interagency Agreement, January 22, 1991.

Guidance for Conducting Remedial Investigations and Feasibility Studies under CERCLA, OSWER Directive 9355.3-01, US EPA, October, 1988.

CERCLA Compliance With Other Laws, OSWER Directive 9234.1-0, US EPA, May 6, 1988.

~~Guide for Conducting Treatability Studies Under CERCLA, EPA/540/2-058, December, 1989.~~

Final Treatability Studies Plan, ~~EG&G Rocky Flats~~ DOE, June 1991.

Annual Report: Sitewide Treatability Studies, ~~EG&G Rocky Flats~~ DOE, March 1994.

Environmental ~~Management~~ **Restoration** Administration Procedures Manual, 2-11000-ER3-21000-ADM,
EG&G Rocky Flats RFETS, November 1, 1993 6/30/95.

EPA Guidance on Evaluating the Technical Impracticability of Ground-Water Restoration, OSWER Directive
No. 9234.2-25, September, 1993.

Rocky Flats Plant Site Wide Quality Assurance Project Plan for CERCLA Remedial Investigations/Feasibility
Studies and RCRA Facility Investigations/Corrective Measures Studies Activities, EG&G Rocky Flats DOE.,
May 1991.

CERCLA Requirements, US DOE Order 5400.4.

~~Data Quality Objectives for Remedial Response Activities, Developmental Process, US EPA, March 1987.~~

~~Data Quality Objectives for Remedial Response Activities, Example Scenario, US EPA, March 1987.~~

EPA guidance for the data quality objectives process, EPA QA/G-4.

EPA guidance for the data quality analysis process, EPA QA/G-9.

Guidance for Data Usability in Risk Assessment, US EPA, October 1990.

Risk Assessment Guidance for Superfund, Volume I, Human Health Evaluation Manual, Part A, Interim final,
US EPA, EPA/540/1-89/002, December 1989. Part B, Interim, Publication 9285.7-01B, December 1991. Part
C, Interim, Publication 9285.7-01C, December 1991.

Risk Assessment Guidance for Superfund, Volume II, Environmental Evaluation Manual, Interim Final, US
EPA, EPA/540/1-89/001, March 1989.

Code of Federal Regulations, Title 40, Part 265 - Interim Status Standards for Owners and Operators of
Hazardous Waste Treatment, Storage and Disposal Facilities, July 1990.

Code of Federal Regulations, Title 43, Part 11 - Natural Resource Damage Assessments, October 1987 (or latest
version).

4.0 **TECHNICAL REQUIREMENTS AND TASKS**

Technical requirements identified as tasks and specified below form the basis for this SOW.

The CMS/FS IM/IRA has been divided into two phases tasks. ~~The first phase~~ Task 1 includes the development and screening of remedial alternatives (~~this work is near completion~~). ~~The second phase of the CMS/FS process~~ includes five major tasks beginning with a detailed analysis of remedial action alternatives (Task 1) and preparation of the CMS/FS Report (Task 2). ~~Development of a contaminant fate and transport ground water model is included in Task 1 for use in performing the detailed analysis of alternatives.~~ Task 3 2 involves preparation of the PRAP, providing support for public hearing activities, and preparation of a responsiveness summary. Task 4 involves preparation of the CAD/ROD. Task 5 involves routine project reporting

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requirements.

CMS/FS PHASE II IM/IRA TASKS

4.1 Task 1 - Detailed Analysis of Alternatives

Subcontractor shall perform a detailed analysis of remedial action alternatives for the 903 Pad consisting of an evaluation of each alternative against the standard nine criteria identified in guidance (USEPA, 1988) and the RFI/RI Work Plan. The analysis shall be comparative between each alternative considered for each of five specified remediation areas using the nine criteria.

For each alternative, the subcontractor shall provide a detailed description that outlines the quantity of each type of waste generated (i.e., hazardous, low-level radioactive, low-level mixed...etc.) and the waste management/treatment strategy involved. Subcontractor shall also provide a detailed discussion of each criterion assessment for each alternative. Subcontractor shall also employ tables and/or graphics to summarize the results of the detailed analysis of alternatives.

Subcontractor shall integrate ~~OU2~~ the 903 Pad and windblown soils-specific treatability study report findings into the detailed analysis of alternatives. ~~It is anticipated that such~~ The reports shall include bench-, pilot-, and in some instances, field-scale demonstration results. Treatability study testing results shall be used to guide the detailed analysis with respect to the viability of effective implementation of specified candidate technologies. Additionally, ~~OU2~~ the 903 Pad and windblown soils-specific treatability study testing results shall provide information to facilitate an evaluation of residual waste handling requirements.

Subcontractor shall provide a detailed analysis of the costs versus risk reduction benefit of each alternative. This analysis shall be based on the cost of each alternative to attain ARARs, and risk-based remediation goals across the lifetime added cancer risk range 1E-4 to 1E-6 and will be compared with the baseline risks detailed in the baseline risk assessment of the RFI/RI.

The subcontractor's risk reduction benefit analysis shall include presentation of the following nine cell table. ~~(or similar)~~ The exposure scenarios to be used in this table will be based on the results of the RFI/RI Report (i.e., the residential scenario is no longer applicable, etc.):

EXPOSURE SCENARIO (FOR ILLUSTRATION)	1E-6	1E-5	1E-4
RESIDENTIAL USE			
ECOLOGICAL USE			
INDUSTRIAL USE			

The numeric presented within each cell shall be the cost/life-saved for each land use at the given residual lifetime excess cancer risk. Supporting text shall also be provided.

~~The analysis shall integrate key risk management factors including the number of individuals potentially exposed, temporal pattern of risk, uncertainties in risk reduction estimates and engineering estimates, and pertinent population dynamics including proposed growth and attendant population risk in potentially affected areas.~~

A preferred remediation alternative shall be identified that considers the requisite nine criteria as well as the cost versus risk reduction benefit assessment discussed above. This preferred remediation alternative shall be chosen for implementation within the IM/IRA. The 903 Pad and Windblown Soils IM/IRA will be the basis for implementing a remedial action, if appropriate .

The results of the ecological risk assessment will be incorporated into the alternatives analysis.

4.1.1 Subtask 1.1 - Contaminant Pathway Migration Analysis

~~A Work in progress for the ground water contaminant fate and transport model will be developed by the subcontractor for use in evaluating ground water remediation alternatives will be halted and all information, disks and records turned over to RMRS. Quality requirements for information turnover are delineated in Section 6.0, "Quality Assurance Requirements." The subcontractor will develop and utilize this model in conjunction with the calibrated OU2 MODFLOW (McDonald and Harbaugh, 1988) ground water flow model completed under a separate contract.~~

~~The subcontractor shall perform a contaminant pathway migration analysis to analyze the potential for groundwater contaminants currently present at the site to reach Woman Creek and Walnut Creek under a no action alternative and under groundwater remediation alternatives.~~

~~The subcontractor shall use a well field simulator to optimize the number, placement, and pumping rates of wells required for remediation. This optimal configuration will then be input into the calibrated flow and contaminant transport models for temporal evaluation of pump and treat systems.~~

~~The subcontractor shall evaluate groundwater remediation strategies assessing contaminant transport and fate using an optimized remediation scenario under normal and expected hydrologic conditions using the calibrated flow and transport model. The remediation strategies will include an optimized pump and treat alternative and a no action alternative. This evaluation will assess the length of time and amount of groundwater removal to achieve PRGs.~~

~~Subcontractor shall prepare an evaluation of the technical impracticability of groundwater restoration for OU2 based on OSWER Directive No. 9234.2-25 (EPA 1993) in order to determine whether groundwater cleanup goals are technically achievable at OU2, and to establish an alternative, protective cleanup strategy if restoration is determined to be technically impracticable.~~

4.2 Task 2 — CMS/FS Report IM/IRA Decision Document

The subcontractor shall prepare a detailed CMS/FS Report IM/IRA Decision Document that (1) describes and substantiates the rationale behind all findings and (2) summarizes all findings into a concise format to facilitate communication to technical and non-technical audiences. The subcontractor shall employ, to the extent practicable, tables and graphics to summarize information and convey concepts.

The ~~CMS/FS Report~~ **IM/IRA Decision Document** shall be based on a format that includes a main text that presents a description of the FS IM/IRA development. Detailed technical work such as risk reduction methods and costing shall be presented in stand-alone appendices. A preliminary report outline is ~~provided in the RFI/RI Work Plan~~ is provided by RMRS in Attachment A.

Subcontractor shall prepare the draft ~~CMS/FS~~ **IM/IRA Decision Document** and the final ~~CMS/FS~~ **IM/IRA Decision Document**. The resolution of comments from review of draft reports will be documented by the subcontractor. **The most appropriate remedy for the 903 Pad and windblown soils will be recommended in the IM/IRA Decision Document.**

4.3 ~~Task 3 - Proposed Remedial Action Plan~~ **Task 2 - Public Hearing and Responsiveness Summary**

~~The subcontractor shall provide~~ All labor and related costs to support development of the "Responsiveness Summary" activities ~~defined in Section XIII of the IAG~~ will be included. **These activities include the incorporation of Rocky Mountain Remediation Services, Kaiser-Hill and Department of Energy comments into the IM/IRA Decision Document as well as a formal responsiveness summary for all comments from the Environmental Protection Agency (EPA), the Colorado Department of Public Health and the Environment (CDPHE) and the public.**

The subcontractor shall incorporate comments after review by ~~EG&G~~ **Rocky Mountain Remediation Services, Kaiser-Hill and DOE** and submit the draft **final document** for regulatory agency review. Regulatory agency issues shall be resolved **through preparation of a responsiveness summary**, comments incorporated and a final document submitted for public comment. Public comments shall be evaluated and ~~an RS a~~ **Responsiveness Summary (RS)** shall be prepared by the subcontractor. Regulatory agency comments on the RS shall be incorporated and the final ~~CMS/FS and PRAP~~ **IM/IRA Decision Document** shall be submitted.

Subcontractor participation shall be limited at public meetings to two professional staff. The subcontractor's role shall be limited to the technical review of public information materials (prepared by others) and activities directly associated with attending a public meeting.

~~The subcontractor shall develop a draft PRAP for submittal to U.S. Environmental Protection Agency (EPA) and Colorado Department of Public Health and Environment (CDPHE). After receiving and addressing comments on the draft PRAP, the subcontractor shall prepare for submittal, formal responses to EPA and CDPHE comments. EPA and CDPHE comments, and DOE responses to those comments, shall be summarized and presented in the final PRAP. The subcontractor shall submit the draft and final PRAP according to the schedule identified in Section 5.~~

~~For each document (draft and final PRAP), the subcontractor shall provide an initial draft copy for EG&G review and comment. The subcontractor shall provide the draft PRAP and the final PRAP.~~

4.4 ~~Task 4 - Corrective Action Decision/Record of Decision~~ **Task 4 - Corrective Action Decision/Record of Decision**

~~The subcontractor shall prepare the CAD/ROD, beginning by reviewing public comments on the PRAP, and again identifying the protective and ARAR-attaining alternatives.~~

~~The selected remedy shall be properly documented in the CAD/ROD. The subcontractor shall prepare a~~

~~preliminary CAD/ROD for review by EG&G and DOE. The comments shall be resolved and the draft ROD finalized for submittal to EPA and CDPHE. Regulatory agency comments shall be resolved and a final CAD/ROD submitted.~~

~~For each document (draft and final CAD/ROD), the subcontractor shall provide an initial copy for EG&G review and comment. The subcontractor shall provide the draft CAD/ROD and 60 the final CAD/ROD.~~

5.0 DELIVERABLES AND SCHEDULE

5.1 Schedule For Tasks and Deliverables

Subcontractor will prepare a detailed schedule identifying start and completion dates for all project tasks and subtasks and due dates for all required project deliverables. This schedule shall be based on **EG&G Rocky Mountain Remediation Services** completion of the draft **OU 2 RCRA Facility Investigation/Remedial Investigation** by ~~August~~ **September 1995**. **EG&G Rocky Mountain Remediation Services** deliverable due dates driven by negotiated Interagency Agreement milestones will be identified under separate cover.

5.1.2 Status Reporting

Monthly Progress Reports - Subcontractor shall provide, by the 22nd day of each month, a cost/schedule performance report. The monthly progress report shall document schedule and budget actuals for the month and project-to-date. Significant progress and/or problems shall be detailed as shall plans for the upcoming work month.

Weekly Reports - Subcontractor shall report the project status weekly by telephone or in person with the contract technical representative. These reports shall include any accomplishments or problems that occurred during the previous week as well as the current status of the project, including activities and goals planned for the current week. A written record of these telephone reports shall be submitted to the contract technical representative in the week following the verbal report.

5.3 IM/IRA Decision Document

This deliverable consists of 3 parts: draft and final documents and responsiveness summaries which capture RMRS, Kaiser-Hill, DOE and regulatory agency comments and comment resolutions.

6.0 QUALITY ASSURANCE REQUIREMENTS

In order to develop technically sound results, the subcontractor shall be responsible for adhering to all associated quality objectives that are outlined in the Quality Assurance Program section of the OU2 RFI/RI Work Plan.

Work performed under this SOW is governed by the **EG&G Rocky Mountain Remediation Services** Environmental Restoration (ER) Quality Assurance Project Plan (QAPjP). The ER QAPjP complies with the requirements of EPA QAMS-005/80 and DOE Order 5700.6C which addresses ASME NQA-1. The subcontractor shall comply with the following specific Quality Assurance (QA) requirements prior to the initiation of work, as appropriate:

6.1 **Organization**

The authority and responsibilities of persons or organizations performing work under this SOW shall be established, documented, and submitted to the contract technical representative. An organization chart identifying specific individuals by name, supported by itemized authorities and responsibilities is a suitable means of documentation.

6.2 **Personnel Qualification**

Personnel performing technical work shall receive training and indoctrination in accordance with 3-21000-ADM-2.02 to applicable procedures to assure proper understanding of the QA and technical requirements of this SOW. In addition, written personnel qualification requirements, training material content, and the record of personnel meeting qualification requirements shall be maintained and made available to **EG&G Rocky Mountain Remediation Services** for review upon request. **EG&G Rocky Mountain Remediation Services** will provide training for QA and technical procedures furnished by **EG&G Rocky Mountain Remediation Services**.

6.3 **Design and Control of Scientific Investigations**

Activities involving the performance of technical design related activities, specifically, but not limited to, calculations used in developing data and calculations incorporated into reports, shall be reviewed, verified, and documented. Calculations shall be performed in accordance with the QAPjP.

6.4 **Instructions, Procedures, and Drawings**

All work shall be performed to **EG&G Rocky Mountain Remediation Services** ER-approved and controlled procedures except where excluded in writing by **EG&G Rocky Mountain Remediation Services**.

6.5 **Document Control**

The subcontractor shall acknowledge receipt of and manage **EG&G Rocky Mountain Remediation Services** plans and procedures in accordance with **EG&G Rocky Mountain Remediation Services** procedure number 3-21000-ADM-06.01.

6.6 **Control of Purchased Items and Services**

Items or services procured under this subcontract shall be performed in accordance with the requirements of the QAPjP.

6.7 **Identification and Control of Items**

When applicable, the subcontractor shall prepare written procedures that ensure that only correct and accepted items are used or installed and that they are traceable through unique identifiers. The procedures shall be submitted to the contract technical representative for approval within ten working days after notification of the requirement.

6.8 Control of Measuring and Test Equipment

Activities in which personnel use measuring and test equipment or methods shall be controlled in accordance with **EG&G Rocky Mountain Remediation Services** procedure number 3-21000-ADM-12.01. Such devices shall be controlled, calibrated, and adjusted at predetermined intervals (established by the subcontractor and approved by the contract technical representative) to maintain accuracy.

6.9 Handling, Storage, and Shipping

Activities in which personnel handle, store, package, ship, or receive items which if damaged, lost, or deteriorated would be detrimental to the work performed by the subcontractor shall be controlled by written procedures. The procedures shall be submitted to the contract technical representative for approval within ten working days after notification of the requirement.

6.10 Control of Nonconforming Items

Activities regarding the identification and disposition of nonconforming items shall apply to all activities that involve the handling of all items, including samples, data, raw materials, hardware, and software.

6.11 Corrective Actions

Activities that identify, rectify and preclude recurrence of conditions adverse to quality shall be conducted in accordance with **EG&G Rocky Mountain Remediation Services** procedure number 3-21000-ADM-16.01.

6.12 Software Quality Assurance

The development and use of both administrative and scientific computer software which have a potential to affect quality shall be performed in accordance with written procedures prepared by the subcontractor and submitted for approval by the contract technical representative within ten working days after notification of the requirement.

6.13 Records Delivery

All completed records shall be turned over to **EG&G Rocky Mountain Remediation Services** no later than sixty (60) days following the completion of the task order. At the end of the task order period of performance, the subcontractor shall provide **EG&G Rocky Mountain Remediation Services** with original master paper copies (i.e., the hard copies used for document reproduction) and electronic copies of all reports. Electronic

word processing files shall be in the form of WordPerfect (version 5.1 or later) document files. These files shall be delivered on 3.5-inch diskettes in IBM-compatible format. The subcontractor shall also provide on diskette, all Computer Aided Design (CAD) and other program files used to create all maps in all reports. Spatial data shall be provided in DXF format. All documents shall be delivered to **EG&G Rocky Mountain Remediation Services** in the format approved by the **EG&G Rocky Mountain Remediation Services** Records Management Department. All hard-copy documents shall be numbered in accordance with **EG&G Rocky Mountain Remediation Services** Records Management protocol.

6.14 **Miscellaneous**

The subcontractor shall perform all work in accordance with **EG&G Rocky Mountain Remediation Services** QA program requirements. All work shall be performed under the cognizance of the contract technical representative and in accordance with approved **EG&G Rocky Mountain Remediation Services** implementing procedures, or subcontractor procedures which have been approved by the contract technical representative prior to the start of any work. The contract technical representative shall review and approve all work in accordance with applicable implementing procedures.

**ATTACHMENT A
PRELIMINARY IM/IRA DECISION DOCUMENT REPORT OUTLINE**

Executive Summary

Part I - Declaration

- I.1 Problem Definition, Objectives and Purpose**
- I.2 Site History and Operable Unit 2 Background**
- I.3 Site Characteristics and Environmental Setting**
- I.4 RFI/RI, Baseline Risk Assessment Summary**
- I.5 IM/IRA Scope and Assumptions**

Part II - IM/IRA Decision Analysis

- II.1 Identification and Screening of Potential Process Options**
- II.2 Final Screening of Process Options**
- II.3 Detailed Description of Remedial Alternatives**
- II.4 Detailed Analysis Evaluation Criteria**
- II.5 Detailed Analysis of Alternatives**
- II.6 Proposed Remediation Alternative**

ID	Name	Duration	Start	Finish	1995				
					Jul	Sep	Nov	Jan	Mar
1	DRAFT IM/IRA DEVELOPMENT	60d	7/26/95	10/17/95					
2	DRAFT IM/IRA	43d	7/26/95	9/22/95					
3	SUBMIT DRAFT IM/IRA FOR RMRS REVIEW	0d	9/22/95	9/22/95					
4	RMRS REVIEW DRAFT IM/IRA	5d	9/25/95	9/29/95					
5	RMRS REVIEW MEETING	1d	10/2/95	10/2/95					
6	INCORPORATE RMRS COMMENTS	2d	10/3/95	10/4/95					
7	RMRS/K-H/DOE REVIEW IM/IRA	5d	10/5/95	10/11/95					
8	RMRS/K-H/DOE REVIEW MEETING	1d	10/12/95	10/12/95					
9	INCORPORATE RMRS/K-H/DOE COMMENTS	3d	10/13/95	10/17/95					
10	SUBMIT IM/IRA TO EPA/CDPHE FOR REVIEW	0d	10/17/95	10/17/95					
11									
12	DRAFT 2 IM/IRA (EPA/CDPHE)	40d	10/18/95	12/14/95					
13	AGENCY REVIEW	21d	10/18/95	11/15/95					
14	DEVELOP RESPONSIVENESS SUMMARY (RS)	5d	11/16/95	11/22/95					
15	RMRS REVIEW RS	2d	11/27/95	11/28/95					
16	INCORPORATE RMRS COMMENTS	1d	11/29/95	11/29/95					
17	RMRS/K-H/DOE REVIEW RS	2d	11/30/95	12/1/95					
18	INCORPORATE RMRS/K-H/DOE COMMENTS	1d	12/4/95	12/4/95					
19	SUBMIT RS TO AGENCIES	0d	12/4/95	12/4/95					
20	AGENCY REVIEW RS	5d	12/5/95	12/11/95					
21	RS REVIEW MEETING WITH AGENCIES	1d	12/12/95	12/12/95					
22	REVISE IM/IRA	2d	12/13/95	12/14/95					
23	SUBMIT IM/IRA FOR PUBLIC COMMENT	0d	12/14/95	12/14/95					
24									
25	DRAFT 3 (PUBLIC COMMENT)	88d	12/15/95	4/18/96					
26	PUBLIC REVIEW	60d	12/15/95	3/11/96					
27	DEVELOP RESPONSIVENESS SUMMARY (RS)	10d	3/12/96	3/25/96					
28	RMRS REVIEW RS	3d	3/26/96	3/28/96					
29	INCORPORATE RMRS COMMENTS	2d	3/29/96	4/1/96					
30	RMRS/K-H/DOE REVIEW RS	3d	4/2/96	4/4/96					
31	INCORPORATE RMRS/K-H/DOE COMMENTS	2d	4/5/96	4/8/96					
32	SUBMIT RS TO AGENCIES	0d	4/8/96	4/8/96					
33	AGENCY REVIEW RS	5d	4/9/96	4/15/96					

Project:
 Date: 9/7/95

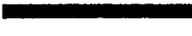
14

Task		Rolled Up Task	
Progress		Rolled Up Milestone	
Milestone		Rolled Up Progress	
Summary			

ID	Name	Duration	Start	Finish	95				
					Jul	Sep	Nov	Jan	Mar
34	RS REVIEW MEETING WITH AGENCIES	1d	4/16/96	4/16/96					
35	REVISE IM/IRA	2d	4/17/96	4/18/96					
36	SUBMIT FINAL IM/IRA	0d	4/18/96	4/18/96					

Project:
Date: 9/7/95

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Task		Rolled Up Task	
Progress		Rolled Up Milestone	
Milestone		Rolled Up Progress	
Summary			

"DELIVERABLE DUE DATES"
IN REFERENCE TO SECTION 5.0

<u>Deliverable</u>	<u>Due Date</u>
Submit Draft IM/IRA to EPA/CDPHE for Review	October 17, 1995
Submit Draft IM/IRA For Public Comment	December 14, 1995
Submit Final IM/IRA	April 18, 1995

September 6, 1995

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PREPROCUREMENT ORGANIZATIONAL CONFLICTS OF INTEREST
FACT SHEET

This fact sheet is designed to provide an early recognition of possible organizational conflicts of interest (OCI) problem areas in relation to the planned procurement. The three sections of the Fact Sheet (Section A, Procurement Description; Section B, Potential Organizational Conflicts of Interest Problem Areas; and Section C, Special Instructions and Pertinent Information) are to be completed by the requisitioner at the time each procurement request is initiated if the subcontract will involve one or more of the following categories. See Department of Energy Acquisition Regulation (DEAR) Subsection 909.5707. (Check the applicable category).

- EVALUATION SERVICES OR ACTIVITIES (Any work or effort, the principal purpose of which involves the independent study of a technology, process, product, or policy which entails the assessment, appraisal, or survey of such technology, process, product, or policy).
- TECHNICAL CONSULTING AND MANAGEMENT/SUPPORT SERVICES AND PROFESSIONAL SERVICES (Any work or effort, the principal purpose of which is to provide internal assistance to any program element or other organizational component of EG&G in the formulation or administration of its program, projects, or policies, which requires the subcontractor to be given access to internal or proprietary data. Such services typically include assistance in the preparing of program plans; evaluation, monitoring, or review of subcontractor's activities or proposals submitted by prospective subcontractors; preparation of preliminary designs, specifications or statements of work.)
- Research and development conducted pursuant to the authority of the Federal Energy Administration Act of 1974 (Pub. L 93-275), as amended.
- Services which, by their nature, require special OCI coverage, (if this category is checked, please explain in Section c.)

The Fact Sheet is to be forwarded with the purchase requisition to Procurement. Procurement will utilize the Fact Sheet as their reference to elicit complete and accurate information from the offeror concerning a possible OCI. This information, in turn, is used by the Buyer to complete the OCI Information Abstract.

SECTION A
PROCUREMENT DESCRIPTION

1. Purchase Requisition No.: A355114	1A. "Prime Contractor": Parsons - Engineering Science
2. Organization(s) to be served by the Subcontractor	
(a) RMRS - Environmental Restoration	(e)
(b)	(f)
(c)	(g)
(d)	(h)
3. Brief Description or purposes of procurement and uses of subcontractor services and work products: Obtain technical and administrative expertise to complete an Interim Measures/ Interim Remedial Action (IMIRA) Decision Document	
4. If this is a follow-on to another subcontract, please state:	
(a) Subcontract No. MTA 34377963	(b) Completion Date Ongoing (c) Subcontract Amount: \$661,000
5. Brief description of work: Perform activities associated with developing an IMIRA for the 903 Pal and Windblown soils.	

SECTION B
POTENTIAL ORGANIZATIONAL PROBLEM AREAS

Listed below are factors used to determine whether the possibility of an OCI situation exists in the context of the planned procurement action. If a factor indicating a possible OCI problem is present to any degree, your response should be affirmative. Use additional sheets if necessary.

Indicate answer by placing an "X" in the proper column and, if the answer to any of the following three questions (1, 2, or 3) is "Yes", complete question 4	YES	NO
1. Will the work involve the preparation of specifications?		X
2. Will the work involve the preparation of a Statement of Work? ^{IM/IRA} Decision Document Development	X	
3. Will the work involve the formulation of a detailed plan for specific approaches or methodologies which are to be employed in or incorporated into future procurements or access to such specifications, statements of work, or plans?		X
4. Briefly state the relationship between 1, 2 and 3 and any possible future procurement(s). Indicate whether other subcontractors, EG&G personnel, or third parties are to assist the subcontractor in the development of Questions 1, 2 or 3 (above). <i>The IM/IRA will be the basis for future work.</i>		
5a. Will Subcontractor provide software? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	5b. Will the use of the software require acquisition of new ADPE? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	
6. Will the performance of the subcontract provide access to internal information concerning DOE or EG&G plans or programs, and related opinions, clarifications, interpretations, and positions? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		
6a. If yes, identify categories of information and the program elements involved: <i>The IM/IRA decision document will evaluate and propose remediation alternatives</i>		
7. Will performance of the subcontract provide access to confidential or proprietary information of EG&G or others (particularly private institutions, corporations, and individuals) including technical, business, or financial information? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
7a. If yes, identify categories of information:		
8. Does performance of the subcontract involve advice or assistance on regulatory matters or provide access to internal DOE regulatory information? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
8a. If the performance of the subcontract will provide access to internal DOE regulatory information, please describe such information and its use for regulatory purposes:		
9. Will the Subcontractor's work product be employed in connection with the formulation of DOE or EG&G policy plans or strategies? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
9a. If yes, please describe the work products and the manner in which they will be used:		
10. Will the Subcontractor's performance include the review, analysis, or evaluation of the services or products of DOE or EG&G Subcontractors? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		
10a. If yes, briefly identify such services and products:		

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SECTION C
SPECIAL INSTRUCTIONS AND PERTINENT INFORMATION

1. INSTRUCTIONS - Set forth below, or on a separate sheet, any special OCI related instructions to Procurement, or any information which you believe pertinent to OCI processing:

R.S. Roberts
Requisitioner

9/6/95
Date

2. Designate the individual in your organization who will be responsible for providing supplemental information for the purpose of making the final determination as to whether possible OCI exists:

Rick Roberts
Name

X8508
Telephone No.

Additional information on attached sheet:

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