

CORRES. CONTROL

LTR. NO.

K-H Corres. #

Originator Ltr Log #

AMT-014-97

97 - RF - 00572

DIST.	LTR	ENC
BARTHEL, J.M.		
BENGEL, P.R.		
BENSON, C.A.		
CARMEAN, C.H.		
DAWSON, D.		
EDWARDS, J.D.		
FINDLEY, M.E.		
FITZ, R.C.		
GUINN, L.A.		
HUGHES, F.P.		
McANALLY, J.L.		
POWER, A.P.		
REED, A.B.		
TYSON, A.M.		
WAGNER, M.J.		
WHEELER, M.		



Rocky Mountain Remediation Services, L.L.C. ... protecting the environment

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January 30, 1997

97-RF-00572

John J. Rampe  
ES&H Program Assessment  
DOE/RFFO

M. BEMSKI ✓  
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J. E. LAW ✓  
A.M. TYSON ✓

TRANSMITTAL OF THE QUARTERLY STATUS REPORT FOR DECONTAMINATION FACILITIES - AMT-014-97

Action: Delivery of Quarterly Status Report by January 31, 1997

Rocky Mountain Remediation Services (RMRS) is pleased to deliver the attached copy of the Quarterly Status Report for Decontamination Facilities in fulfillment of the scheduled milestone due January 31, 1997.

DOCUMENT CLASSIFICATION  
REVIEW WAIVER PER  
CLASSIFICATION OFFICE

If there is any additional information you would like to have incorporated into the existing format for the next quarter's facility report, please do not hesitate to contact Michael Bemski on extension 4090 or digital page 7466.

RMRS RECORDS	X	X
RF CORRES. CONTROL	X	X
TRAFFIC		
PATS/T130G		

*Ann*  
Ann M. Tyson  
Vice President  
Environmental Restoration

MLB:slm

CLASSIFICATION:	
UCNI	
UNCLASSIFIED	
CONFIDENTIAL	
SECRET	

Orig. and 1 cc - J. J. Rampe

Attachment:  
As Stated

AUTHORIZED CLASSIFIER  
SIGNATURE:

cc:  
T. G. Hedahl - Kaiser-Hill  
A. K. Sieben - Kaiser-Hill

Date:

IN REPLY TO RF CC NO.:

*N/A*

ACTION ITEM STATUS:

PARTIAL/OPEN  
 CLOSED

LTR APPROVALS:

ORIG. & TYPIST INITIALS:

*MLB/SLM*

RF-46469(Rev.1/97)

ADMIN RECCRD

BZ-A-00312

000312

*Y6*

**QUARTERLY REPORT  
FOR THE DECONTAMINATION FACILITIES  
903A PAD AND PROTECTED AREA PAD  
OCTOBER 1996 THROUGH DECEMBER 1996**

**January 31, 1997**

## INTRODUCTION

The Decontamination Facilities support Environmental Restoration (ER) activities including RFI/RI and remedial action field work and the accelerated actions on Plant site in accordance with the Accelerated Site Action Plan (ASAP). There are two decontamination facilities at the Rocky Flats Plant: the Main Decontamination Facility (MDF), also known as the 903A Pad, located at the east end of the Field Operations Yard; and the Protected Area Decontamination Facility (PADF), located in the northeast corner of the Protected Area. The PADF is also referred to as Building 966. Proper utilization of the facility prevents cross-contamination between sample retrieval sites and provides a mechanism to clean equipment in order to meet data quality objectives. A mobile field decontamination unit is also utilized when movement of contaminated equipment is restricted.

Two full-time technicians, two health and safety specialists (HSSs) and one part-time manager from Resource Technology Group (RTG) currently operate and maintain the Decontamination Facilities for Rocky Mountain Remediation Services (RMRS). In addition to operating and maintaining the two facilities, this work package is responsible for movement of environmental drums and pallets from the buffer zone and within the Field Operations Yard, moving equipment and unloading trucks for other subcontractors, performing decontamination of equipment, removing snow in the Field Operations Yard, and providing Health and Safety support to environmental projects.

## DECONTAMINATION

RTG supported numerous RMRS Accelerated Action projects throughout RFETS during the first quarter. Additional support was provided at the MDF and PADF for other RMRS projects and normal operations. The projects supported are listed below.

### Environmental Restoration Support

Decontamination personnel provided extensive decontamination of heavy equipment used during the Trench 3/Trench 4 (T3/T4) project. All decontamination efforts were performed within Contaminated Area (CA) boundaries and a Radiation Work Permit (RWP) was required for entry. All visible grease was removed from the equipment by wiping with paper towels and Pipex. Two front-end loaders, one hydroseeder, and one backhoe were decontaminated, surveyed and released off the pad area.

The track-hoe was in the CA for approximately 30 days to meet Radiological Operations' requirements to disassemble and survey components, oil, and tracks. Work was coordinated with an off-site vendor to perform the disassembly and reassembly after surveys confirmed no contamination above release limits. The track-hoe was moved to an Radiological Material Area (RMA) where decontamination personnel supported radiological engineering personnel with generators, ladders and other equipment for the operation of the gamma spectrometry equipment.

Decontamination personnel also supported RMRS with the sampling of heavy equipment engine oil and grease for internal contamination determination including grease, sump sediment, water and Tanker 10 samples. These samples were released to Kaiser-Hill, for gamma spectrometry analysis. Approximately 40 gallons of T3/T4 residue was contained in one RCRA drum. Decontamination personnel have also taken possession of a 1800 gallon poly tank from the T3/T4 project for storage for future use.

### Pond Pipe

Approximately twenty 15-foot sections of fiberglass pipe were decontaminated and then surveyed for radiological contamination. The survey results showed readings above the release limits. It was decided to cut the pipe into pieces and then crate it. An additional 1000 feet of contaminated pipe is also scheduled for size reduction and packaging.

### Consolidated Water Treatment Facility (CWTF)

Decontamination personnel:

- Supported the CWTF operations with inspections and collections during the work week and weekends;
- Supported the change out of OU7 filter socks and Granular Activated Carbon (GAC) unit change outs;
- Pumped 2000 gallons at SW59 into Tanker 4 and off-loaded the tanker at the CWTF; and
- Helped with the GAC and resin change out by retrieving drums and assisting with the completion of travelers at the CWTF.

## **CONSTRUCTION MANAGEMENT SUPPORT**

### OU9/STP

Decontamination personnel:

- Supplied poly tanks, pumps, hoses, and electrical extension cords in support of OU9 operations;
- Transferred approximately 1500 gallons of potentially contaminated water out of a CA into a poly tank and assisted in the soil sampling of the OU9 CA and RMA soils;
- Provided dust suppression support for the OU9 project for two weeks; and
- Delivered 6 loads of water needed to test the new chlorine system and assisted in the rinsing of a poly tank.

### IHSS 129 - Fuel Oil Number Six

Decontamination personnel:

- Supported the transfer of #6 fuel oil sludge into drums and accepted four poly tanks for decontamination;
- Accepted four poly tanks for decontamination or disposal; and

- Pumped approximately 300 gallons of rain water from the containment berm and then helped to dismantle the berm upon project completion.

## MAINTENANCE

- The MDF and PADF equipment was winterized and daily freeze protection inspections were initiated in November. Air nozzle adapters were built for all the steam cleaners so they could be blown out for freeze protection;
- A new portable Landa steam cleaner and two Teel booster pumps were received and fitted with appropriate valves and quick couples for use;
- The MDF propane Hosty steam cleaner has a ruptured coil and is awaiting repairs. The steam cleaner will be repaired when the gas line installation is completed;
- The pumps and switches in building 903B were integrated into the Maintenance Management System (MMS);
- The RFETS garage replaced the MDF Case forklift brakes;

### MDF Support Operations for October - December 1996

Decontamination Events	8
Groundwater Purges	15
Water transfers with trailer	5

Building 903B has a total of 8059 gallons, receiving 2539 gallons during the month of October.

### PADF

Tanks and pumps used during the tank-foaming project are being stored at the PADF. The contents of the tanks have been sampled and sent for analysis, the results of which will determine method of disposal/decontamination. Decontamination water tanks DW8 and DW9 at the PADF are full and DW6 is 2/3 full. Building 903B received 930 gallons of decontamination and purge water. 2600 gallons were off-loaded from T204 and T205 into Tanker 4 and transferred to the CWTF.

## HEALTH AND SAFETY

In addition to supporting the numerous projects simultaneously and performing routine Health and Safety responsibilities, the Health and Safety Specialists (HSSs) for the decontamination operations completed numerous surveys, and wrote several Preliminary Hazard Analysis (PHA), Activity Hazard Analysis (AHA), and Health and Safety Plans (HASP), in addition to routine health and safety duties. Other projects supported by the HSSs included:

- Conducted daily safety briefings;
- Conducted weekly safety meetings;
- Maintained/inspected fall protection equipment;

Conducted weekly/monthly inspections in the Environmental Restoration work areas including

- A) Safety showers,
- B) Fire extinguishers,
- C) Spill kits,
- D) Respirators, and
- E) Eyewash stations.

## **FACILITIES**

On October 15, 1996, the RCRA Partial Closure Certification was submitted for the Decontamination Pad Tanks at the MDF (RCRA Unit 18.01) to Kaiser-Hill, DOE-RFFO, and CDPHE. The closure was performed in accordance with applicable Colorado Hazardous Waste Act (CHWA) requirements for closure under interim status in 6 Code of Colorado Regulations (CCR) 1007-3, Part 265, and the RCRA Closure Plan for the Partial Closure of Interim Status Unit 18.01 (May, 1996). Closure activities included removal of waste, cleaning of tanks, liner and ancillary equipment with decontamination solution and water, as well as sampling and analysis of the final rinsate solution for comparison to the closure performance standard. Closure activities were evaluated by an independent, Colorado-registered professional engineer, as required by the Closure Plan.

## **ANTICIPATED OPERATIONS FOR NEXT QUARTER**

The list of activities for next quarter includes the decontamination of PVC and fiberglass pipe from the B ponds waste stream, commence with decontamination support for the Mound Source Removal Project, and continue with ongoing activities. Maintenance activities will continue and removal of sediment collected in the sumps of both the MDF and the PADF is expected during February.

## **CONCLUSION**

There were no environmental deficiencies, no accidents, and no occurrences encountered by the Decontamination Facilities Operation during the October through December, 1996, reporting period.