

CORRES CONTROL
OUTGOING LTR NO.

DOE ORDER #

93 RF 10304

EG&G ROCKY FLATS

EG&G ROCKY FLATS, INC.
ROCKY FLATS PLANT, P.O. BOX 464, GOLDEN, COLORADO 80402-0464 • (303) 966-7000

August 23, 1993

93-RF-10304

| DIST. | LTR | BC |
|--------------------|-----|----|
| AMARAL, M. E. | | |
| BENEDETTI, R. L. | X | |
| BENJAMIN, A. | | |
| BERMAN, H. S. | | |
| BRANCH, D. B. | | |
| CARNIVAL, G. J. | | |
| COFF, R. D. | | |
| DAVIS, J. G. | | |
| FERRERA, D. W. | | |
| HANNI, B. J. | | |
| HARMAN, L. K. | | |
| HEALY, T. J. | | |
| HEDAHL, T. | | |
| HILBIG, J. G. | | |
| KIRBY, W. A. | | |
| KUESTER, A. W. | | |
| MANN, H. P. | X | |
| MARK, G. E. | | |
| MCDONALD, M. M. | | |
| MEKENNA, F. G. | | |
| MONROSE, J. K. | | |
| MORGAN, R. V. | | |
| POTTER, G. L. | | |
| PUZZUTO, V. M. | | |
| RILEY, J. H. | | |
| RISING, T. L. | | |
| SANDLIN, N. B. | | |
| SETLOCK, G. H. | | |
| STEWART, D. L. | | |
| SULLIVAN, M. T. | | |
| SWANSON, E. R. | | |
| WILKINSON, R. B. | | |
| WILLIAMS, S. (ORC) | X | |
| WILSON, J. M. | | |
| WYANT, R. B. | | |
| N.M. HUTCHINS | X | |
| M. D. KLEIN | X | |
| A. H. PAUOLE | X | |
| T. J. SCHASSBURGER | X | |
| CORRES CONTROL | X | X |
| ADMIN RECORD (2) | X | X |
| PATS/T130G | | |
| TRAFFIC | | |

James K. Hartman
Assistant Manager for Transition
and Environmental Restoration
DOE, RFO



000016292

Attn: Scott R. Grace

OCCURRENCE OF NON-AQUEOUS LIQUIDS PHASE LIQUIDS AT OPERABLE UNIT 2 SUBSURFACE INTERIM MEASURE/INTERIM REMEDIAL ACTION - NMH-430-93

During the drilling of pressure monitoring probes at Individual Hazardous Substance Site (IHSS) 110, borehole location 24793 (SPM1) on August 9, 1993, a viscous liquid substance Non-Aqueous Phase Liquid (NAPL) was encountered at a depth of ten feet below grade. Two samples were collected of the substance at this depth. Site 24793 was then abandoned and replaced by site 24993 which is located five feet to the north of the original site.

The samples were submitted to the laboratory for analysis on a five day rush with the following analysis types specified: Volatile Organic Aromatics (VOA) Solid Waste (SW) 846 Environmental Protection Agency (EPA) Method 8240, Contract Lab Program (CLP) metals, Non-CLP metals, cyanide, and pH. These analytical results are now available for evaluation (attached).

Based on your commitment to the Environmental Protection Agency (EPA) and the Colorado Department of Health (CDH) in a meeting held on August 11, 1993, with the above mentioned parties, EG&G will evaluate the NAPL and this analytical data with respect to the applicability of Soil Vapor Extraction (SVE) Technology at test site number one. EG&G will also evaluate the currently configured design for the SVE pilot test site one to determine if the system is appropriate to handle the NAPL conditions.

If the evaluation of the analytical data and technology shows that pilot testing with soil vapor extraction as currently configured is not feasible, then a recommendation as to a design modification or change in test site location will be made. Because it is anticipated this evaluation by EG&G will take twenty working days to complete, we ask that a schedule extension be provided to the start of SVE pilot testing to perform this task. During this evaluation, the May 27, 1992, Office of Solid Waste and Emergency Response (OSWER) Directive 9283.1-06, "Considerations in Groundwater Remediation at Superfund Sites and RCRA Facilities - Update" will be addressed.

If you have any questions, please feel free to call M. D. Klein, X6950.

N. M. Hutchins, Acting
Associate General Manager
Environmental Restoration Management

Orig. and 1 cc - J. K. Hartman

Attachment:
As Stated

cc:
A. H. Pauole - DOE, RFO
R. J. Schassburger - DOE, RFO

AUTHORIZED CLASSIFIER SIGNATURE
DOCUMENT CLASSIFICATION
REVIEW WAIVERED PER
CLASSIFICATION OFFICE
DATE

IN REPLY TO RFP/OC NO.:
93-3647-93
ACTION ITEM STATUS
 PARTIAL/OPEN
 CLOSED

LTR APPROVALS:
ORIG & TYPIST INITIALS
MDK/EB

ADMIN RECORD

BZ-A-00029

ACTIVITY ID DESCRIPTION

| ACTIVITY ID | DESCRIPTION | REM DUR | EARLY START | EARLY FINISH |
|-------------|--|---------|-------------|--------------|
| 2170 | SVE FINAL SYSTEM INTEGRATION | 3 | 40CT93 | 60CT93 |
| 2200 | READINESS CHECK BEFORE SYSTEM OPERATIONS | 1 | 140CT93 | 140CT93 |
| 2210 | CONTRACTOR SO TESTING OF SVE @ SITE #1 E. TRENCH | 5 | 70CT93 | 130CT93 |
| 2220 | SO TEST DOCUMENTATION TO PM FILES & EM GA | 0 | | 140CT93 |
| 2235 | START PILOT TESTS | 0 | | 150CT93 |
| 2250 | BEGIN PILOT TESTS SITE #1 - EAST TRENCHES AREA | 36 | 180CT93 | 8DEC93 |
| 2251 | CHARACTERIZE GW SAMPLES SUBMITTED FOR ANALYSIS | 90 | 9DEC93 | 22APR94 |
| 2253 | COMPILE DATA FOR FINAL TEST REPORT | 15 | 25APR94 | 13MAY94 |
| 2310 | PREPARE DRAFT PILOT TEST REPORT SITE #1 | 20 | 16MAY94 | 13JUN94 |
| 2320 | SUBMIT DRAFT PILOT TEST REPORT TO EGGG & DOE | 0 | | 13JUN94 |
| 2325 | EGGG & DOE REVIEW | 10 | 14JUN94 | 27JUN94 |
| 2330 | INCORPORATE EGGG & DOE REVIEW COMMENTS | 5 | 28JUN94 | 5JUL94 |
| 2340 | SUBMIT DRAFT FINAL PILOT TEST REPORT TO EPA/CDH | 1 | 6JUL94 | 6JUL94 |
| 2341 | EPA/CDH COMMENTS | 20 | 7JUL94 | 3AUG94 |
| 2350 | INCORPORATE EPA/CDH REVIEW COMMENTS RESP SUMMARY | 10 | 4AUG94 | 17AUG94 |
| 2360 | SUBMIT FINAL PILOT TEST REPORT TO EPA/CDH | 0 | | 17AUG94 |



Pilot Date 24AUG93
 Data Date 24AUG93
 Project Start 1JAN92
 Project Finish 17AUG94

Activity Bar/Early Dates
 Critical Activity
 Progress Bar
 Milestone/Flag Activity

Sheet 1 of 1

EGGG ROCKY FLATS
 OU#2 SUBSURFACE IRA
 CRITICAL PATH ACTIVITIES

| Date | Revision | Checked | Approved |
|------|----------|---------|----------|
| | | | |
| | | | |
| | | | |
| | | | |

| ACTIVITY ID | ACTIVITY DESCRIPTION | REM DUR | TOTL FLT | EARLY START | EARLY FINISH |
|-------------|--|---------|----------|-------------|--------------|
| 2670 | REVIEW STANDARD OPERATING PROCEDURES | 2 | 231 | 10SEP93 | 13SEP93 |
| 2680 | ISSUE FINAL IMPLEMENTATION PLAN | 1 | 113 | 16SEP93 | 16SEP93 |
| 2690 | MOVE IN EQUIPMENT, TRAILERS, TRAINING | 2 | 113 | 17SEP93 | 20SEP93 |
| 2700 | FIDLER SURVEY | 6 | 113 | 7OCT93 | 14OCT93 |
| 2705 | CONDUCT SOIL VAPOR SURVEYS | 0 | 208 | | 14OCT93 |
| 2710 | PERFORM DETAILED SGS AT IHSS 110 | 2 | 113 | 15OCT93 | 18OCT93 |
| 2720 | PERFORM DETAILED SURVEY AT IHSS 111.1 | 6 | 113 | 19OCT93 | 26OCT93 |
| 2730 | PERFORM DETAILED SURVEY AT IHSS 113 | 3 | 113 | 27OCT93 | 29OCT93 |
| 2740 | PERFORM DETAILED SURVEY AT IHSS 112 | 4 | 113 | 1NOV93 | 4NOV93 |
| 2750 | PERFORM DETAILED SURVEY AT IHSS 109 | 4 | 114 | 5NOV93 | 10NOV93 |
| 2751 | PREPARE FIELD REPORT | 15 | 113 | 5NOV93 | 29NOV93 |
| 2752 | SURVEY SAMPLING LOCATIONS | 5 | 114 | 18NOV93 | 24NOV93 |
| 2780 | COMPLETION OF FIELD REPORT FOR DETAILED SGS | 0 | 113 | | 29NOV93 |
| 2790 | DEMOBILIZATION | 2 | 187 | 11NOV93 | 12NOV93 |
| 2800 | ARCHIVE AND QA DATA FOR FINAL REPORT | 7 | 114 | 29NOV93 | 7DEC93 |
| 2820 | PREPARE DRAFT SGS ADDENDUM | 25 | 113 | 30NOV93 | 11JAN94 |
| 2830 | SUBMIT DRAFT SGS ADDENDUM TO DOE | 0 | 153 | | 11JAN94 |
| 2840 | EG&G/DOE REVIEW OF DRAFT SGS ADDENDUM | 25 | 113 | 12JAN94 | 15FEB94 |
| 2850 | FINAL SGS ADDENDUM | 15 | 113 | 16FEB94 | 8MAR94 |
| 2860 | SUBMIT FINAL SGS ADDENDUM TO EPA/CDH | 0 | 113 | | 8MAR94 |
| 1101 | REVISE PMP | 0 | | 26JUL93A | 3AUG93A |
| 1102 | EG&G PMP REVIEW | 0 | | 4AUG93A | 9AUG93A |
| 1103 | MODIFY PMP AS NEEDED | 4 | 241 | 10AUG93A | 27AUG93 |
| 1110 | PREPARE IWCP PACKAGE | 0 | | 11MAY93A | 2AUG93A |
| 1111 | IWCP OUT FOR SIGNATURES | 3 | 11 | 3AUG93A | 26AUG93 |
| 1112 | FINAL IWCP APPROVAL | 0 | 11 | | 26AUG93 |
| 1120 | PREPARED EG&G FIELD PERMITS | 0 | | 23JUL93A | 27JUL93A |
| 1121 | FIELD PERMITS OUT FOR APPROVAL | 0 | | 28JUL93A | 2AUG93A |
| 1122 | FIELD PERMITS APPROVAL | 0 | | | 2AUG93A |
| 1440 | RFP CONST MGMT RECEIVES IWCP AND FIELD PERMITS | 1 | 241 | 27AUG93 | 27AUG93 |
| 1650 | RFP CONSTRUCTION MGMT OF SVE IMP CONTRACT BEGINS | 1 | 11 | 2AUG93A | 24AUG93 |
| 1860 | MATERIAL QA DOCUMENT COMPILED | 0 | | 9JUL93A | 6AUG93A |
| 1861 | QA DOCUMENT IN PM FILE | 0 | | | 6AUG93A |
| 2180 | PREPARE FOR READINESS REVIEW | 5 | 31 | 18MAY93A | 30AUG93 |

1993

1994

M A M J J A S O N D J F M A M J J A S

SOIL GAS SURVEY (SGS)

EE&T PROJECT MANAGEMENT

Sheet 2 of 4

0028

Activity Bar/Early Dates
Critical Activity
Progress Bar
Milestone/Flag Activity

Plot Date 24AUG93
Data Date 24AUG93
Project Start 1JAN92
Project Finish 17AUG94

(C) Primavera Systems, Inc.

EG&G ROCKY FLATS
OU#2 SUBSURFACE IRA

| DATE | REVISION | CHECKED | APPROVED |
|------|----------|---------|----------|
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