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CORRES CONTROL
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DOE ORDER# 4100.1
94 RF 10850

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

DIST	TR	VC
AMARAL M E		
BURLINGAME A H		
BUSBY W S		
BRANCH D B		
CARNIVAL G J		
DAVIS J G		
FERRERA D W		
FRAY R E		
GEIS J A		
GLOVER W S		
GOLAN P M		
HANNI B J		
HARMAN L K		
HEALY T J		
HEDAHL T		
HILBIG J G		
HUTCHINS N M		
JACKSON D T		
KELL R E		
KUESTER A W		
MARX G E		
MCDONALD M M		
MCKENNA F G		
MONTROSE J K		
MORGAN R V		
POTTER G L		
PIZZUTO V M		
RISING T L		
SANDLIN N B		
SCHWARTZ J K		
SETLOCK G H		
STEWART D L		
STIGER S G		
TOBIN P M		
VOORHEIS G M		
WILSON J M		
B. Cugnarowicz	✓	✓
C. A. BICHER	✓	✓
E. G. MIST	✓	✓
L. Brooks	✓	✓
W. L. Hogg	✓	✓
S. Holliswell	✓	✓
CORRES CONTROL	X	X
ADMN RECORD/080	✓	✓
TRAFFIC		
PATS/T130G		

October 24 1994

94 RF 10850

Kurt Muenchow
Environmental Restoration Division
DOE RFFO

OPERABLE UNIT 5 WOMAN CREEK PRIORITY DRAINAGE MEETING MINUTES PROPOSAL OF
THE PRESUMPTIVE REMEDY FOR THE ORIGINAL LANDFILL CAB 059 94

Action Forward meeting minutes to the Environmental Protection Agency (EPA) and the
Colorado Department of Public Health and Environment (CDPHE)

This letter transmits the meeting minutes taken at the meeting on October 13 1994 in
which EG&G proposed the Presumptive Remedy approach for the Original Landfill (IHSSs
115 and 196) to the EPA and the CDPHE

Attached are the transcribed meeting minutes and a copy of the meeting notes that were
taken The latter includes the required signatures from DOE and EPA Although CDPHE was
not present at the meeting their agreement was given to the EPA prior to the meeting

If I can provide any additional information please call me at 966 9100

Carol A Bicher
Operable Unit No 5 Closure
Environmental Restoration Program Division

CAB cb

Orig and 1 cc K Muenchow

Attachment
As Stated

CLASSIFICATION	
UCNI	
UNCLASSIFIED	✓
CONFIDENTIAL	
SECRET	

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IN REPLY TO RFP CC NO

ACTION ITEM STATUS
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ADMIN RECORD

A-0005-000501

MEETING MINUTES. PROPOSAL OF THE PRESUMPTIVE REMEDY FOR THE ORIGINAL LANDFILL

1 The meeting was held on October 13 1994 to proposed the Presumptive Remedy approach for evaluating and selecting remedial options for the Original Landfill (IHSS 115) and the Filter Backwash Pond (IHSS 196) Meeting attendees included representatives from EG&G EG&G subcontractors DOE and EPA Joe Schieffelin (CDPHE) declined to attend given that he concurred with the proposal

2 Carol Bicher (EG&G) gave an overview of Operable Unit 5 identifying current activities and where the RCRA Facility Investigation/Remedial Investigation (RFI/RI) and the Corrective Measures Study/Feasibility Study (CMS/FS) were linked together

3 Robert Cygnarowicz (EG&G) presented the Presumptive Remedy as a Focused Feasibility Study and reported on the status of the project

It is a process much like an FS The project will identify corrective actions by looking at a limited range of feasible alternatives and will be documented in a final report

The project team is currently evaluating the geotechnical data in support of the slope stability issue with the landfill site

The slope stability analysis will start after the geotechnical data are available The geotechnical data are being collected per Technical Memorandum #15 under the RFI/RI project

The slope stability analysis will result in 2 to 3 grading plans and will be part of the Conceptual Design and Title I effort If the final selection is a soil cover this could amount to 25% of the design effort However if the final selection is an engineered landfill cap this will only be a small part of the design effort The alternatives will be analyzed in the Presumptive Remedy

4 Robert Cygnarowicz discussed Technical Memorandum #1 for the FS

The project team will first review the data collected under the RFI/RI Work Plan

A Treatability Study is assumed to be not needed to support the FS because there are enough data out there however a quick review will be done

Sitewide ARARs will be out in early November for review

The TM # 1 Report will summarize the ARARs analysis develop remedial action objectives and develop preliminary remediation goals

No further actions would fall out here and be formally documented in this TM

5 Robert Cygnarowicz discussed Technical Memorandum #2 for the FS which summarizes the screening process which includes the screening of alternative (i.e. there may be a limited number of feasible alternatives to consider)

6 Bonnie Lavelle (EPA) brought up the concern that typically Superfund sites do not link the FS to the Risk Assessment with the No Action/Action determinations and asked how and when would this project accomplish this and do your cleanup levels make sense given the risk assessment results?

The FS is linked to the risk assessment as a two step process the CDH Conservative Screen and the Human Health Risk Assessment will be used to support the Technical Memorandum #2

7 Robert Cygnarowicz discussed the Borrow Source project which is looking at areas that can supply fill needs that meet structural requirements as well as permeability requirements

8 Ecological Issues were discussed

Wetlands mitigation The OU 5 project team has estimated that 1/2 acre will have to be eliminated during construction of the landfill cover EG&G has identified a separate project for wetland mitigation that will build a bank of reserves

Bonnie Lavelle brought up historical problems that EPA has had with other sites over whether or not mitigation was really going to happen and strongly endorsed the completion of mitigation prior to destroying any wetlands

Prebles Meadow Jumping Mouse There are some areas within the landfill site that the mouse was captured The removal and replacement of the required habitat will be addressed

Plantwide Drainage System This system will be considered The South Interceptor Ditch and the storm sewer will probably come out

9 The de coupling of the landfill and its presumptive remedy approach from the rest of the Operable Unit 5 was discussed At this time there is not enough information to make this decision After more information regarding risk assessment and with the results of TM #2 under the FS the decision to de couple the landfill will be revisited This topic is expected to be readdressed in the Spring of 1995

10 Bonnie Lavelle asked if the Presumptive Remedy and a cap was needed?

Yes there are some metals in groundwater that exceed the Preliminary Proposed Remediation Goals The project team is using PPRGs until the final Baseline Risk Assessment becomes available Additionally there are physical hazards

11 Bonnie Lavelle offered a word of caution regarding the Environmental Evaluation The Prebles Meadow Jumping Mouse adds a different scope with a different standard for protection Dr Mark Wiskstrom with the EPA is on board to assist with the EE

Oct 13, 94 continued

pg 2/4

• DRARS - early November review

TM 1 report summarizes eval data, suff, AAR, Devl, etc

no further actions would fall out here, documented and agreed too

Bonnie - CDH letter report will document

7th d

the same - TM 1 formal documentation ^{11/18/94}

③ TM 2 - summarizes screening.

- All of this done by Sept 95 - Bonnie make decision after know more

good point to start saving time

Detailed Analysis Alternative

Bonnie ^{concern} - tip Superfund - not linking

FS to Risk Assmt (No action/Action)

how/when will you do this

Ciggy 2 step process - Cons Screen and RA

Bonnie - do your cleanup levels make sense,

2000000

~~also give~~ - GIVE THE RISK ASSESSMENT

RESULTS

- Two separate projects -

• Borrow Source - looking at areas that fill meets

struct reqmts as well as ^{cover} perm rights

on site, western aggregate, ^{clon by} WALT site. - ^{op} ^{leastly} be able ^{may} ^{not} ^{supply}

work up to be summarized

70mt

val 150^k cubic yds - structural fill perm layer drainage layer

~~18~~

October 13, 1994 OUS Propose Presumptive Remedy pg 1/4

- introductions w/ Schrefflin, CDH declared meeting, but did call Bonnie Wallace concerning w/approach
- project layout for OUS
- WBS for CMS/FS

- 3 mpr activities in FY95 ^{LPR} TM1, TM2

① Pres Remedy is a Focused FS

- * Currently addressing the geotech eval to

perform slope stability - it is dynamic
 process like an FS ^{much} but has ^{lots} experience
 to evaluate

Identify corrective actions looking @ a limited
 & preferred
 range of alt & will be doc in report

Slope Stability Analysis can start right after

geotech data (RI) is available - looking at
 previous causes of
 sliding 2-3 grading plans, 4 parts

1 pt of confusion - the detail conceptual design

plus T1 will only include grade & could be

25% of project w/ cover but not 25% of enyr

cap alternatives will be analyzed in the Pres

Rem. Rep.

② TM #1 - for FS ^{data}

Data reports review of RI ^{water}

TS not needed to support FS because enough
 data out there but a quick review will be done

For instance, a EPA data search of solid of inc

ash (U) came back w/ 4 articles

Oct 13, 94 meeting continued -

pg 3/4

• Phase II of Project of borrow source.

grate point to evaluate borrow util

- Ecological Issues

• wetlands mitigation, 1/2 acre estimated @ OUS

separate project to build a bank

Bonnie - history problems - do it before you destroy

EPA has had other problems, concern is ^{it} really
going to happen

Paul - is 1/2 acre for whole OU

Aggy - yes

Scott - it came mostly from SID

- Now using new map by US Corp

which doesn't show wetlands under

as pits - however we are being

conservative and added

- 3 to 1 US just & wildlife ^{maybe}

Bonnie's whose request?

Bonnie Corp gave ^{jurisdiction} ~~title~~ to EPA @ CERCLA sites

• Pringles, jumping mouse

Capture areas w/ in landfill

remove & replace habitat ash trees

• Drainage system plantwide will be considered

SID to come out, storm sewer, to probably
come out

pg 4/4

- Two approaches - do not decouple at this time
 next spring we will know more & will
 meet to discuss

Bonnie
 - Are you comfortable that you need the Pres Remedy
 and a cap?

yes we do - exceeding some PRGs in GW
 metals Ch, Be

still looking @ RA - ALSO, PHYSICAL HAZARDS

- FS teams using PPRGs until BRA (HRA+EE) income
 available into alternatives

Bonnie OUI EE ^{Not} happy w/ ^{OUI - they did} ~~the~~ look @ populations only

Watch OUS & OUI since there is a lot more
 involved
 word of caution. precludes ~~the~~ report causes
 your criteria to change to look at OUI
 different std of protection, different
 scope

Dr Mark Wiskatrom, EPA, on board to help

EPA Bonnie Lavelle & Bonnie Lavelle
 DOE Kurt Muenchow ~~Kurt Muenchow~~

OPERABLE UNIT 5

WOMAN CREEK PRIORITY DRAINAGE

October 13 1994

PRESUMPTIVE REMEDY OF THE ORIGINAL LANDFILL MEETING

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11 Mary Lee Hogg	ICF-K	966-8716	966-8663
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13			