



Department of Energy

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FEB 25 1994

94-DOE-02370

Mr Dave Norbury
Hazardous Waste Facilities
Colorado Department of Health
4300 Cherry Creek Drive South
Denver, Colorado 80222-1530

Dear Dave

Enclosed you will find the minutes from the meeting held on January 28, 1994, where the revised Data Quality Objectives (DQO) for operable Unit No 7 were discussed. We are currently revising the DQO section of the technical memorandum and making the necessary changes to the document based on the meeting discussions. We plan to have a follow-up meeting to finalize this process within the next two weeks. Thank you for your participation and input. If you have any further comments or questions please contact either Jen Pepe 966-2184, or Dave George at 966-5669.

Sincerely,

Jessie Roberson
Acting Assistant Manager for
Environmental Restoration

Enclosure

ADMIN RECORD

A-DU07-000170

MEETING MINUTES OU 7, LANDFILL, DATA QUALITY OBJECTIVE (DQO) DEVELOPMENT

In Attendance

Stephen Luker
Pete Martin
Dave Norbury
Tim O'Rourke
Jen Pepe

Rick Roberts
Kathy Tegtmeyer
Myra Vaas
Sandy Wagner

The following notes summarize the issues discussed regarding the draft DQO's

(IHSS 114/203 DQO's)

- 1 Colorado Department of Health (CDH) - views this as a tool, cautions against letting the process bog down this effort
- 2 Step 1 Re-state the problem statement
 - summarize what we know
 - determine additional data needed
- 3 Step 2 Split into
 - cap design
 - leachate control (including groundwater control)
 - gas generation control

What types of technical design are necessary?
Where do we stop this process as far as specifics of design?
- 4 CDH - Concrete identification of data needed to support closure is necessary
- 5 DQO team - needs A-E support to further define needs with respect to closure design data needs
- 6 Step 3 Known data needs to be moved to Step 1
- 7 The regulations cited are not applicable to specifics because performance criteria is not defined in regulations (except as broad summary level statements)
- 8 Step 4
 - 4.3 Data from 1990 is assumed valid due to current control processes should 4.3 be moved up to section 1 - existing data quality will be discussed in section 1
 - 4.3 Interagency Agreement (IAG) Table VI requirements will bound upper tolerance from cessation of operations -
 - Time frame to collect data - ASAP
 - Time frame that data applies to - through post closure
 - 4.4 New landfill operations do not apply

(Groundwater, Surface Water, Soils, and Sediments Issues)

- 1 Problem statement - groundwater collection is required and will be clarified
 - groundwater beneath PLF will not be evaluated separately from OU7 groundwater except as necessary to support closure design
- 2 Decision should include whether or not treatment is needed
- 3 Pondwater will be evaluated against Applicable or Relevant and Appropriate Requirements (ARAR's), sediments and soils will be risk based
- 4 East landfill Pond closure will be evaluated as part of OU7 Interim Measures/Interim Remedial Action (IM/IRA)
- 5 State surface water ARAR's comparison for pond
 - Risk will be 10^{-6} for soils and sediments
 - Exposure scenario is yet to be determined
 - What are spatial boundaries down gradient?
 - Down gradient wells not adequate to define if plume exists
 - Boundaries will be defined for any potential plume, if plume exists then boundaries of OU7 investigation and IM/IRA will be extent of plume or ELP Dam if boundaries of plume end at Dam

Further Actions

- Incorporate comments
- Solicit input from design team for data needed and incorporate into DQO's

General concurrence from EG&G, DOE, and CDH representatives was achieved for the following

Additional Issues

A summary and evaluation of Phase I data will be included in the tech memo revising the Phase I Work Plan. This will support justification for proposed additional data collection intended to satisfy Phase II data requirements. The approved tech memo will satisfy IAG Table VI milestone requirements for Phase I RFI/RI report, and Phase II RFI/RI Work Plan milestones. Data evaluation in the IM/IRA Decision Document will satisfy Phase II RFI/RI Report milestones.

Next meeting will be scheduled Tuesday

Update Design team input is scheduled for the week of February 7. Statistical evaluation for steps 6 & 7 in progress

OU 7, Incident Lm & Fill, DOD Development

<u>DQO Team Member</u>	<u>Company / Agency</u>	<u>Phone</u>
Tim P O'Rourke	EG+G	966 8577
Peter J Martin	EG+G	966-8695
MYRA VATE	STALLER	449-7220
KATHY Tjittmeyer	Staller	449-7220
Dave Norbury	CDH	673 3415
Sandy Wagner	LATO/RF	966-312
Rick Roberts	EG&G	966-8508
STEPHEN LUKER	EG+G/QA	966-7625
Ken Peipe	DUB/ERC	966-615

10 - view this as a tool, cautious against letting the process bog down then start

step 1 re-state the problem

- summarize what we know
- determine additional data needs

step 2

split into

- cap design
- leachate control (include up flow control)
- gas generation control

what types of technical design is necessary?

? where do we stop this process as far as specifics of design?

COH - context - identification of data needed to support closure is needed
DQO team - needs AE support to further define needs

step 3

known data needs to be moved to step 1

3.3 vegr not applicable to specifi -> because performance criteria is not defined in vegr (except as broad summary level statements)

3.4

step 4 - 4.3

1970 on data is assumed valid due to current control process shall 4.3 be moved up to section 1 - existing data quality will be discussed in section 1

- 4.3 shall be table VI driver will bound upper tolerance from cessation of operations - 12
- time frame to collect data - ASAP
 - time frame that data applies to - through post close

4.4 new landfill ops don't apply

(Groundwater / Surface Water)

Problem statement - Groundwater collection is required and will be clarified
- Groundwater ^{benefit} ~~value~~ PLI will not be evaluated separately from OU 7 water except as necessary to support closure design

- Decision should include whether or not treatment is needed
 - Pondwater will be evaluated against WPARs, sediments and soils will be risk based
 - First landfill Pond closure will be evaluated as part of OU 7
- IR/IRA

State surface water NAR comparison for pond

- Risk will be 10^{-6} for soils and sediments
- Exposure scenario is yet to be determined
- What are spatial boundaries down gradient?
- Down gradient wells not adequate to determine if plume exists
- Boundaries will be defined for any potential plume if plume exists then boundaries of 007 will be extent of plume on ELP down of boundaries of plume end @ den

Further - Incorporate comments
 - Solicit input from design team for data needs

This activity is designed to

Phase I data and Phase II sampling in a Tech memo which will eliminate Phase I RFI/R2 report and Phase II work plan milestones in Table VI.

Next meeting will be scheduled Tuesday

circulations

Jim Tye
 Dave Norbury
 [Signature]

DOE/E2
 CDH
 EC+C/RFP

[Signature]
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 28-1-94

22 141 50 SHEETS
 22 142 100 SHEETS
 22 144 200 SHEETS

