

Bratcher, Mike, EMNRD

From: Bratcher, Mike, EMNRD
Sent: Tuesday, May 05, 2009 11:56 AM
To: 'Vernon Black'
Subject: RE: Sterling Silver #33

Vernon,

The work plan, as submitted, is not approved. The area labeled SP1 shows chloride levels in the five-digit range (greater than 10,000 mg/kg) down to 34' bgs. OCD will require removal of as much of the material exhibiting the elevated chloride levels as is practicable. A liner may be required at that time, dependent upon the volume of impacted materials removed.

If you have any questions, please contact me.

Sincerely,

Mike Bratcher
NMOCD District 2
1301 W. Grand Ave.
Artesia, NM 88210
575-748-1283 Ext.108
mike.bratcher@state.nm.us

From: Vernon Black [mailto:vk.black@hungryhorseenvironmentalservices.com]
Sent: Monday, May 04, 2009 4:31 PM
To: Bratcher, Mike, EMNRD
Subject: Sterling Silver #33

Mike, have you gotten a chance to review the work plan that I submitted to Sherry on OXY's Sterling Silver #33?

Thanks,
Vernon

This inbound email has been scanned by the MessageLabs Email Security System.



**ARDINAL
LABORATORIES**

NOV 21 2008

PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

**ANALYTICAL RESULTS FOR
HUNGRY HORSE ENVIRONMENTAL SERVICES
ATTN: VERNON K. BLACK
P.O. BOX 1058
HOBBS, NM 88241
FAX TO: (575) 391-4585**

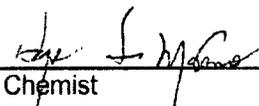
Receiving Date: 11/17/08
Reporting Date: 11/17/08
Project Owner: OXY USA
Project Name: STERLING SILVER 33
Project Location: EDDY COUNTY, NM

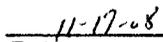
Analysis Date: 11/17/08
Sampling Date: 10/21/08-11/13/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: TR

LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H16338-1	SP #1 SURFACE	4,800
H16338-2	SP #1 5' BGS	10,700
H16338-3	SP #1 10' BGS	14,600
H16338-4	SP #1 14' BGS	15,000
H16338-5	SP #1 19' BGS	14,200
H16338-6	SP #1 25' BGS	13,200
H16338-7	SP #1 29' BGS	10,200
H16338-8	SP #1 34' BGS	12,800
H16338-9	SP #1 40' BGS	5,000
H16338-10	SP #1 50' BGS	2,600
H16338-11	SP #1 60' BGS	336
H16338-12	SP #1 70' BGS	336
H16338-13	SP #1 75' BGS	192
H16338-14	SP #2 SURFACE	5,800
H16338-15	SP #2 1' BGS	3,200
H16338-16	SP #2 2' BGS	128
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods 4500-ClB

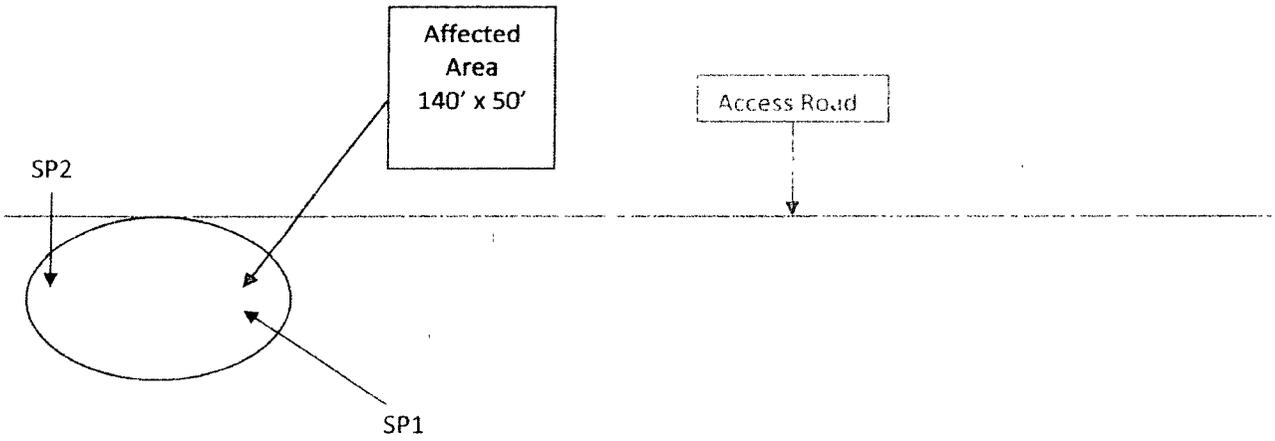
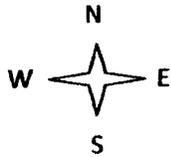
Note: Analyses performed on 1:4 w:v aqueous extracts.


Chemist


Date

H16338 HHE

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Drawing not to scale

Sterling Silver 33 Fed #4

NOV 26 2008

HUNGRY HORSE, LLC
ENVIRONMENTAL SERVICES

Dirt Work * On-Site Remediation * Soil Testing * Excavation

25Nov08

TO: Sherry Bonham
NM OCD District II
REFERENCE: Remediation Work Plan

OPERATOR: OXY USA
LOCATION: Sterling Silver 33 Fed #4
API: 30-015-27519
LEGALS: UL E, Sec 33, T23S, R31E
GPS: N32 15.770 W103 47.453
DEPTH to GROUND WATER: >100'

General Site Characteristics: The affected area is the result of a flow line release. The terrain is relatively flat containing native vegetation. The soil is sandy and is considered unsaturated contaminated soil by OCD definition. The affected area is approximately 140' x 50'. It is bordered on the north and west by lease roads. There are no known water wells or surface bodies of water within 1000' of this location.

Site ranking Score: The site ranking score is 0.

Soil Remediation Action Levels: As determined by NM OCD

Delineation: Lab results from delineation are attached

Sketch of Affected Area: Attached

Work Plan Proposal: Delineation at sample point 1 (SP1) was accomplished with a drill rig using a hollow stem auger with a split spoon. Delineation results at SP1 indicate that the contamination (chlorides) reached a depth of 50'. Delineation at sample point 2 (SP2) was conducted using hand tools with lab results indication the depth of contamination only reached 1' below ground surface (BGS).

Due to the depth of groundwater exceeding 100' and knowing the depth of contamination, my work plan proposal for the area of SP1 is to remove 4' of the contaminated soil, line the area with a 20mil synthetic liner, and backfill with like material. I feel through the use of the synthetic liner, further penetration of the chlorides will be prevented thus the ground water will not be impacted.

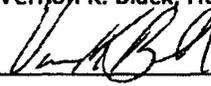
Due to shallow contamination and low chloride levels in the area of SP2, we propose to remove the 1' of contaminated material and backfill with like material.

HUNGRY HORSE, LLC
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Dirt Work * On-Site Remediation * Soil Testing * Excavation

Notes/Comments

Submitted By: Vernon K. Black, Hungry Horse Environmental Services

Signature: 

OCD Approval By: _____

Signature: _____

Date: _____