

APPROVALS

YEAR(S):



Released to Imaging: 4/26/2023 8:23:38 AM



Governor Joanna Prukop

Cabinet Secretary

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Lori Wrotenbery Director Oil Conservation Division

June 13, 2003

Mr. Neal Goates Risk Management and Remediation Site Manager ConocoPhillips Threadneedle Office PO Box 2197 Houston, TX 77252-2197

CLOSURE FOR LOCKHART A-27 BATTERY NEAR EUNICE MAXIM PROJECT 3690056 OCD FILE <u>1R-0345</u>

Dear Mr. Goates:

The New Mexico Oil Conservation Division (OCD) has reviewed Maxim Technologies Inc June 12, 2003 "REMEDIATION COMPLETION REPORT" for this project submitted on your behalf. This report contains results of work to close this site, including backfill, excavation of the fenced area down to four feet below ground surface, a one-foot layer of compacted clay barrier, and backfill with clean soil to original ground surface.

Based upon this report, OCD finds that the conditions of OCD's approval of March 26, 2003 have been met satisfactorily and this site is closed in that no further action is required at this time.

This closure letter does not relieve ConocoPhillips of responsibility should remaining contaminants pose a future threat to ground water, surface water, human health or the environment. In addition, OCD approval does not relieve ConocoPhillips of responsibility for compliance with any other federal, state or local laws and regulations. If you have any questions, please contact me at 505-476-3493.

Sincerely,

and repuffering

Randolph Bayliss, P.E. Hydrologist, Environmental Bureau

cc: Chris Williams, Larry Johnson, OCD Hobbs District Office L.V. Sims II

> Oil Conservation Division * 1220 South St. Francis Drive * Santa Fe, New Mexico 87505 Phone: (505) 476-3440 * Fax (505) 476-3462 * <u>http://www.emnrd.state.nm.us</u>

Received REOPLias 42 42 plan 8: 59: glve Me a resource on 10-7 on certified clay ... what are the units of ... Page 1 of Page 3 of 27

Olson, William

From: Bayliss, Randy

Sent: Friday, June 13, 2003 2:25 PM

To: 'Goates, R. Neal'; 'TTangen@maximusa.com'

Cc: Williams, Chris; Johnson, Larry; Price, Wayne; Olson, William; Martin, Ed; Flap Sims (E-mail)

Subject: NFA Lockhart A-27



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON Governor Joanna Prukop Cabinet Secretary

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Sincerely,

Candoeph Bufins

Randolph Bayliss, P.E. Hydrologist, Environmental Bureau

cc: Chris Williams, Larry Johnson, OCD Hobbs District Office L.V. Sims II

Received by 262. 4924/2023 939:43 15952378656	MAXIM TECHNOLOGIES	PAGE 01 Page 5 of 27
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MAXIM	10601 Lomas Str	
ENGINEERING & ENVIRONMENTAL CONSULTANTS	Albuquerque, NM	ite 106
		07712
MAX-FAX	PH 505.237	7.8440
	170(000.20)	7.8656
Albuquerque, New Mexic	0	
TO: RANDY BAYLISS		
Company: <u>NMOCD</u>		
FAX Number: <u>505-476-3462</u>	PH Code:	
From: John MCBEE	Job Number:	
Date: 3/27/03	Number of Pages:3 (including the	his page)
If there are any problems receiving this	FAX, please contact Maxim at 505.237.8440.	
	Original Sent By Mail	Courier
	Original Not Sent	onlidential
	I this communication is strictly prohibited. If you have received th	
Message:		
Randy		
T '	lab testes resulta from	·
	. V	
the clay bourson	uce (Wallach F.C) mai as	 h-
an planing to use for	the Lockhart A-27 proje	L
I included the results	from the other pit for your	6
information		
If you have any go	estions, please call	
	John McDie	
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Released to Imaging: 4/26/2023 8:23:38 AM





NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

Page 8 of 27

BILL RICHARDSON Governor Joanna Prukop Cabinet Secretary Lori Wrotenbery Director Oil Conservation Division

March 26, 2003

Mr. Neal Goates Risk Management and Remediation Site Manager ConocoPhillips Threadneedle Office PO Box 2197 Houston, TX 77252-2197

RE: LOCKHART A-27 BATTERY NEAR EUNICE MAXIM PROJECT 2690022.10 OCD FILE 1R-0345

Dear Mr. Goates:

The New Mexico Oil Conservation Division (OCD) has reviewed Maxim Technologies Inc August 13, 2001 "RESULTS OF COMPILATION OF DATA FROM SUBSUFACE INVESTIGATIONS" for this project submitted on your behalf. This report contains results of two field investigations and proposes a work plan for cleanup of the site located in the SW ¼ of the NE ¼ of Section 27, T21S, R37E, Lea County, New Mexico, just north of Continental Road, north of Eunice. The OCD has also reviewed Maxim's letter of January 15, 2003 which answers questions raised in OCD's email of October 28, 2002.

OCD has reviewed L.V. Sims II's December 2002 "INDEPENDENT GROUND WATER INVESTIGATION DOWN-GRADIENT OF THE CONOCO LOCKHART A-27 BATTERY PIT" which reports results of ground water sampling at the southeast corner of the Lockhart A-27 pit. These results show 508 mg/L chlorides in the ground water underlying the pit.

OCD has reviewed Arcadis' January 30, 2003 "CHEVRON TEXACO #2 (NORTH) GAS PLANT – ANALYTICAL RESULTS, EUNICE, LEA COUNTY, NEW MEXICO" which presents results of ground water sampling and a hydraulic gradient map of the area. Samples taken from monitoring wells about 950 feet upgradient of the Lockhart A-27 pit show chlorides in ground water of up to 1,300 mg/L. The hydraulic gradient of ground water in this area is to the northeast.

OCD has reviewed Arcadis' March 25, 2003 fax which transmitted results of ground water testing at wells recently installed about 450 feet upgradient of the Lockhart A-27 pit. Chlorides in these wells were 1,400 mg/l and 1,300 mg/L.

[Mr. Neal Goates, page 2 of 3, March 26, 2003]

Based upon this information, it appears that chlorides contamination in the Lockhart A-27 pit area orginates from the North Eunice Chevron Texaco gas plant. Therefore, OCD approves the work plan, or path forward on page 8 of 8 of the August 13, 2002 Maxim report, with the following conditions.

- 1. ConocoPhillips shall install an impermeable barrier to cover the impacted area, which is that area encompassed by the fence shown on Figure 2. The barrier shall meet a hydraulic conductivity of no greater than 10⁻⁷ centimeters per second throughout its thickness. If a clay cover is used, it shall be either two feet thick, after compaction, or compacted so as to meet or exceed 95% of a Proctor Test ASTM-D-698, as shown by three tests on the site, and have the following physical characteristics:
 - a. plasticity index greater than 10%;
 - b. liquid limit between 25% and 50%;
 - c. more than 40% by weight of the material passing a No. 200 sieve;
 - d. clay content greater than 18% by weight; and
 - e. be free of particles greater than one inch in any dimension.
- 2. The impermeable barrier must be covered with a protective soil layer at least three feet thick composed of clean porous soil and mounded or domed to account for settling and promote lateral diversion of water from the impacted area. The final surface shall be contoured to be compatible with the adjacent elevations.
- 3. All wastes taken for offsite disposal shall be disposed of at an OCD approved facility.
- 4. ConocoPhillips shall notify the OCD Hobbs District Office at least four working days in advance of installation of the impermeable barrier and other significant activities so that the OCD has the opportunity to witness the events.
- 5. ConocoPhillips shall implement measures to prevent runoff from the site during the backfilling and barrier installation operations.
- 6. Upon completion of barrier installation, ConocoPhillips shall implement site or institutional controls to protect this site from intrusion in the future. These controls may consist of signs, fencing, and notices on deeds as appropriate.
- 7. ConocoPhillips shall submit a report on all remediation activities to the OCD Santa Fe Office within 60 days of completion of the work with a copy provided to the OCD Hobbs District Office. OCD encourages submittal of reports and photographs using electronic means. The report shall contain the following.
 - a. A description of all remediation activities that occurred.
 - b. A site map showing the location of the pit, impacted areas, excavated areas, sample locations, blending and stockpile locations, impermeable barrier perimeter, and any other pertinent site features.

[Mr. Neal Goates, page 3 of 3, March 26, 2003]

c. A cross-sectional diagram of the excavation showing the area excavated and backfilled including the clay cover and clean fill.

Page 10 of 27

- d. Information and test results showing that the clay cover was constructed according to ASTM standards and conditions listed above.
- e. The disposition and volume of all wastes generated and disposed of.
- f. A description of site or institutional controls.
- g. Photographic documentation of remediation activities.

Upon receipt and review of this report, OCD will determine if remedial activities meet the conditions of this approval and, upon a satisfactory finding, will issue a "closure" letter. A closure letter does not relieve ConocoPhillips of responsibility should remaining contaminants pose a future threat to ground water, surface water, human health or the environment.

Please be advised that OCD approval does not relieve ConocoPhillips of responsibility if the proposed work plan fails to adequately remediate contamination related to ConocoPhillips activities. In addition, OCD approval does not relieve ConocoPhillips of responsibility for compliance with any other federal, state or local laws and regulations.

If you have any questions, please contact me at 505-476-3493.

Sincerely,

Pandreph Bufins

Randolph Bayliss, P.E. Hydrologist, Environmental Bureau

cc: Chris Williams, OCD Hobbs District Office Larry Johnson, OCD Hobbs District Office Tom Tangen, Maxim L.V. Sims II



FAX NO.

ARCADIS

Infrastructure, buildings, environment, communications

TELEFAX

To: Randy Bayliss Wayne Price

Fax: 505-476-3462 Total pages: 5

Subject N. Funice Gas Plant Groundwater Analytical Data

Project Number: MT000700.0002.00006

If you do not receive all pages, please call to let us know as soon as possible.

Enclosed is a portion of the information you requested concerning groundwater quality East of the North Eunice Gas Plant.

Please call me if you have any questions.

THIS MESSAGE IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WINICH IT IS ADDRESSED AND MAY CONTAIN INFORMATION THAT IS PRIVILECED,

CONFIDENTIAL, AND EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW. If the reader of Ultis message is not the intended recipical, or the employee or ogent responsible for delivering the message to the Intended recipiunt, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return the original message to us at the above address via the U.S. postal service.

Part of a bigger picture

ARCADIS G&M. Inc. 1004 N. Big Spring Suite 300 Midland Texas 79701 Tel 915-687-5400 Fax 915-687-5401

ENVIRONMENTAL

Dale[.] March 25, 2003

From: Hank McConnell





Job Number: 217467

LABORATORY

FAX NO.

RESULTS

Date: 03/14/2003

TEST

Date San Time San	Sample ID: MW064SA pled 02/26/2003 pled: 11:30 atrîx: Water		Laboratory Samp Date Received Time Received	: 02/21	7/2003	
TEST METHOD	PARAMETER TEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TEC
W-846 7197	Kexevalent Chromium, Dissolved	0.071	0,005	mg/L	02/27/03	edr
W-846 7470A	Mercury (Hg)	<0.0002	0.0002	mg/L	03/06/03	edr
EPA 160.1	Solids, Total Dissolved (TDS)	3100	10	mg/L	02/27/03	dml
SM 2320 B	Alkalinity, Total as CaCO3	246	5.0	mg/L CaCO3	03/04/03	hmz
SM 2320 8	Bicarbonate (HCO3)	246	5.0	mg/L Cacos	03/04/03	hmz
SM 2320 B	Carbonate (CO3)	<5.0	5.0	mg/L Coco3	03/04/03	hmz
EFA 300.0	Chloride	1400	100	mg/L	03/05/03	cnu
FPA 300.0	Sulfate (SO4)	600	100	mg/i	03/05/03	CNH
W-846 6010B	Arsenic (As), Total	<0.05	0.05	mg/L	03/03/03	jen
W-846 6010B	Barium (Ba), Total	0.07	0.05	mg/L	03/03/03	jen
W-846 6010B	Cadmium (Cd), Total	<0.05	0.05	mg/L	03/03/03	jen
W-846 60108	Calcium (Ca), Total	308	10	mg/L	03/11/03	jen
SW-846 60108	Chromium (Cr), Dissolved	0.09	0.05	mg/L	03/03/03	jen
SW-846 60108	Lead (Pb), Total	<0,05	0.05	m9/1.	03/03/03	jer
W-846 60108	Magnesium (Mg), Total	142	0.1	mg/L	03/11/03	je
SW-846 60108	Porassium (K), Total	11.0	1.0	mg/L	03/11/03	jet
sw-846 60108	Selenium (Se), Total	<0.05	0.05	mg/1	03/03/03	Jer
sw-846 6010B	Silver (Ag), Total	<0.05	0,05	mg/L	03/11/03	je
sw-846 60108	Sodium (Na), Total	576	10	mg/L	03/11/03	jjer
SW-846 3010A	Acid Dig., Total Netals, 2x Concentrate	Complete			02/28/03	i dini
5W-846 3010A	Acid Dig., Total Motals, 2X Concentrate, Dissolved	Complete			02/28/03	i da
SW-846 80218	Volatile Organics - Aromatics Benzeno Ethylbenzeno Tolueno Xylenes (total)	ND ND ND ND	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	mg/L mg/L mg/L mg/L	03/03/03 03/03/03 03/03/03 03/03/03	5 rh 5 rh

Page 2

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MAR-25-03 THE 12:07 PM Received by OCD: 4/24/2023 9:59:43 AM



FAX NO.

LABORATORY TEST RESULTS

Job Number: 217485

Date: 03/14/2003

CUSTOMER: ARCADYS / GEM ATTR: Steve Tischer

Customer Sample ID: MW065SA Date Sampled....: 02/27/2003 Yime Sampled..... 14:40 Sample Matrix....: Water

i

Laboratory Sample ID: 217685-1 Date Received.....: 02/28/2003 Time Roceived.....: 10:00

TEST METHOD	PARAMETERYTEST DESCRIPTION	SAMPLE RESULT	REPORTING LIMIT	UNITS	DATE	TECH
sw-846 7197	Hexavalent Chromium, Dissolved	0.010	0.005	mgi/L	02/28/03	edr
SW-846 7470A	Mercury (Hg)	<0.000Z	0.0002	mg/L	03/06/03	edr
EPA 160.1	Solids, Total Dissolved (TDS)	2880	10	mg∕L	03/06/03	dmt
SM 2320 B	Alkalinity, Total as Caco3	234	5.0	mg/L CaCO3	03/04/03	hmz
SM 2320 B	Bicarbonate (HCO3)	234	5.0	mg/L CaCQ3	03/04/03	hmz
SM 2320 B	Carbonate (CO3)	<5.0	5.0	mg/L CaCQ3	03/04/03	hmz
EPA 300.0	Chloride	1300	100	mg/L	03/05/03	слы
5PA 300.0	Sulfate (SO4)	400	100	mg/L	03/05/03	спы
JW-846 60108	Arsenic (As), Total	<0,05	0.05	mg/L	03/04/03	jem
SH-846 60108	Barlum (Ba), Total	0.07	0.05	mg/L	03/04/03	jem
SW-846 60108	Cadmium (Cd), Total	<0,05	0.05	mg/L	03/04/03	jem
SW-846 60108	Calcium (Ca), Total	398	10	mg/L	03/12/03	jem
SW-846 6010B	Chromium (Cr), Dissolved	<0,05	0.05	mg/L	03/04/03	jem
SW-846 60108	Lead (Pb), Total	<0.05	0.05	ingi/L	03/04/03	jem
SW-846 6010B	Magnesium (Ng), Total	177	0.1	mg/L	03/12/03	jem
SW-846 6010B	Potassium (K), Total	11.0	1.0	ng/L	03/12/03	jem
SW-846 60108	Selonium (Se), Total	<0.05	0,05	mg/L	03/04/03	jem
SW-846 6010B	Silver (Ag), Total	<0.05	0,05	mg/L	03/04/03	jem
SW-846 6010b	Sodium (Na), Total	348	1.0	ng/L	03/12/03	Icm
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			03/03/03	dmi
5W-846 3010A	Acid Dig., Total Metals, 2X Concentrate, Dissolved	Complete			03/03/03	dmt
SW-846 80218	Volatile Grganics - Aromatics Benzene Ethylbenzena Toluene Xylenes (total)	ND NC NO ND	0.002 0.002 0.002 0.002	ng/L ng/L ng/L ng/L	03/05/03 03/05/03 03/05/03 03/05/03	rh rh

Pago 2

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Received by 0000257002005 9.39043 PM



LABORATORY TEST RESULTS

FAX NO.

Date: 03/20/2003

CUSTOMER: ARCADIS / GEM

Customer Sample ID: NW067SA Date Sampled.....: 03/04/2003 Timg Sumpled.....: 11:45 Sample Matrix.....: Water

Job Number: 217558

Laboratory Sample ID: 217558-1 pate Received.....: 03/05/2003 Time Received.....: 09:40

TEST METHOD	PARANETER/TEST DESCRIPTION	SANPLE RESULT	REPORTING LIMIT	UNITS	DATE	TEC
SW-846 7197	Hexavalent Chromium, Dissolved	<0.005	0.005	mg/L	03/05/03	edr
SW-846 7470A	Mercury (Hg)	<0,0002	0.0002	mg/L	03/11/03	edr
EPA 160.1	Solids, Total Dissolved (TDS)	1350	10	mg∕L	03/06/03	dmi
SM 2320 B	Alkalinity, Totel as CaCO3	278	5.0	mg/L CaCO3	03/07/03	hmz
SM 2320 B	Bicarbonate (HCO3)	278	5,0	mg/L CaCO3	03/07/03	hmz
SM 2320 B	Carbonate (CO3)	<5,0	5.0	mg/L CaCO3	03/07/03	hmz
EPA 300.0	chloride	340	50	mg/L	03/14/03	спи
RPA 300.0	sulface (504)	300	100	mg/L	03/14/03	cnw
"N-846 6010B	Arsenic (Aə), Total	<0.05	0.05	mg/L	03/06/03	edr
SW-846 60108	Barium (Ba), Total	0.13	0.05	mg/L	03/06/03	edr
SW-846 60108	Cadmium (Cd), Yotal	<0.05	0.05	mg/L	03/06/03	eđr
SW-846 60108	Calcium (Ca), Total	171	10	mg/L	03/13/03	jer
SW-846 6010B	Chromium (Cr), Dissolved	<0.05	0.05	mg/L	03/06/03	edr
SW-846 6010B	Leed (Pb), Total	<0.05	D.05	mg/L	03/06/03	edi
SW-846 60108	Magnesium (Mg), Total	57.5	0.1	mg/L	03/13/03	jer
SW-846 60108	Þotassíum (K), Totel	9.7	1.0	mg/L	03/13/03	jer
SW-846 60108	Selenium (5e), Total	<0.05	0.05	mg/L	03/06/03	edi
SW-846 60108	Silver (Ag), Total	<0.05	0,05	mg/L	03/06/03	ed
SW-846 60108	Sodium (Na), Total	318	10	mg/L	03/13/03	ja
SW-846 3010A	Acid Dig., Total Metals, 2X Concentrate	Complete			03/05/03	dm
SN-846 3010A	Acid Dig., Total Mctals, 2X Concentrate, Dissolved	Complete			03/05/03	i da
SW-846 80218	Volatile Organics - Aromatics Benzene Ethylbenzene Toluene Xylencs (total)	ND ND ND ND	2 2 2 2 2	ng/L ng/L ng/L ng/L	03/07/03 03/07/03 03/07/03 03/07/03	5 rh 5 rh

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1

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Received by 2000 4/24/2013:9:59:43 AM me a resource on 10-7 on certified clay...what are the units of ... Page 1 of 27

Olson, William

From:	Bayliss, Randy
Sent:	Friday, March 07, 2003 1:09 PM
То:	Anderson, Roger; Price, Wayne; Olson, William
Subject	: FW: Lockhart A-27

FYI

-----Original Message-----From: Goates, R. Neal [mailto:Neal.Goates@conocophillips.com] Sent: Friday, March 07, 2003 11:39 AM To: Bayliss, Randy Subject: RE: Lockhart A-27

Sorry, I was on the phone. Randy what other information is out there? I thought the last time we talked that the closest well was 950' away up gradient and the minute we received the analysis if it was greater or equal to 500 ppm cl that we could pursue our restoration plan. The field representatives and management are losing confidence that we are communicating. According to Clyde Yansey with Maxim you guys talked last Friday and there was no mention of other data in progress. I feel we have been patient and have spent valuable resources to reach of point of consensus on both sides. I would appreciate a final plan.

Thanks.

Neal Goates RM&R Site Manager **ConocoPhillips** Threadneedle Office PO Box 2197 Houston, TX 77252-2197 phone: 832-379-6427 etn: 679-6427 fax: 801-382-1674 cell: 832-465-4123 email: Neal.Goates@conocophillips.com

> -----Original Message-----From: Bayliss, Randy [mailto:RBayliss@state.nm.us] Sent: Friday, March 07, 2003 11:52 AM To: Goates, R. Neal Subject: Lockhart A-27

I just tried to call but could not get through to you.

We've received some information from Arcadis showing the locations for the four new monitoring wells near your A-27 pit. Two of these wells are upgradient and about 400 feet from your pit. The samples are at the lab and results will be available in the next week or ten days. We feel that having better infomration about the ground water near your site is essential to our decision and feel it prudent to wait for that information.

Received by OCD: 4/24/2023 9:59:43 AM







Received 44R2672-03/24R3033 9509 ANS AM

. .



Job Number: 217056

LABORATORY

.... ÷ • PROJECT: MT000700.0006.00002 ATTN: Steve Tischer CUSTOMER; ÁRCADIS /, GEM Laboratory Sample ID: 217056-1 Customer Sample ID: MW0575A Date Received....: 01/29/2003 Date Sampled..... 01/28/2003 Time Received.....: 09:15 Time Sampled..... 10:00 Sample Matrix....: Water PARAMETER/TEST DESCRIPTION REPORTING LIMIT UNITS DATE TECH ۰. • . SAMPLE RESULT TEST METHOD .. 01/29/03 edr SW-846 7197 Hexavalent Chromium, Dissolved 0.007 0.005 mg/L 4 <0.0002 0,0002 01/31/03 edr mg∕L SW-846 7470A Mercury (Hg) 2020 10 mg/L 01/30/03 dml Solids, Total Dissolved (IDS) EPA 160-1 282 5.0 mg/L CaCO3 02/03/03 hmz SM 2320 B Alkalinity, Total as CaCO3 5.0 mg/L CaCO3 02/03/03 hmz 282 SM 2320 B Bicarbonate (11CO3) mg/L CaCO3 02/03/03 hmz <5.0 5.0 SM 2320 B Carbonate (CO3) 01/31/03 cnw 50 Chloride 610 mg/L EPA 300.0 đ 40 01/31/03 cnw Sulfate (SO4) 450 mg/L FPA 300.0 01/29/03 jem <0.05 0,05 Arsenic (As), Total mg/L .A.846 6010B mg/L 01/29/03 icm <0.05 0.05 SW-846 60108 Darium (Ba), Total 01/29/03 jem Cadmium (Cd), Total <0.05 0,05 ing∕L \$W-846 6010B 02/06/03 jem 243 10 mg/L SW-846 6010B Calcium (Ca), Total V <0.05 0.05 mg∕L 01/30/03]em SW-846 60108 Chromium (Cr), Dissolved 01/29/03 jcm SW-846 60108 Lead (Pb), Total <0.05 0.05 mg/L 105 0.1 02/06/03 jem mg/L SW-846 6010B Magnesium (Mg), Total 02/06/03 jem SU-846 6010B Potossium (K), Total 9.4 1.0 Mg/L ١ 01/29/03 jem SW-846 6010B Sclenium (Se), Total <0.05 0.05 mg/L SW-846 60100 <0.05 0,05 mg/L 01/29/03 jem Silver (Ag), Total 1 313 10 02/06/03 jcm SW-846 6010B Sodium (Na), Total Mg/L 01/29/03 crw SW-846 3010A Acid Dig., Total Metals, ZX Concentrate Complete SW-846 3010A Acid Dig., Total Metals, ZX Concentrate, Dissolved 01/29/03 crw Complete SW-846 80218 Volatile Organics - Aromatics 0.002 mg/L 01/30/03 rcd Benzene ND Ethylbenzene 0.002 01/30/03 rcd ND mg∕L, mg/L 01/30/03 rcd 0.002 200.0 Tolueno ND 01/30/03 rcd Xylenes (total) 0.002 mg/L

RESULTS

Date: 02/12/2003

TEST

Page 2

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ConocoPhillips Unlined Surface Impoundment Characterization and Surface Restoration Plan Southeastern New Mexico

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SUMMARY	TABLE	PG 2
STEPS 1-6	APPROVED NMOCD GENRAL PLAN FOR CATEGORIZATION, RESTORATION, CLOSURE	PG 4-6

ConocoPhillips

Page 1 of 6

SUMMARY

ConocoPhillips is submitting to the New Mexico Oil Conservation Division our restoration program for legacy pit sites in New Mexico southeastern production region. The historic earthen pit sites (i.e. overflow, basic sediment, or production pits) are generally located at or near current or abandoned production tank batteries at upstream operations. The subject sites were constructed of native soils used to contain sediments and fluids during historic operation. At the time the pit was operational, the material was allowed to equilibrate through subsoil and surface evaporation. Standard practice historically was to burn residual hydrocarbon sheen to allow the evaporation to persist. Upon original abandonment, surrounding native material was used for backfill and soil conditioning conducive for vegetation was generally omitted. Preeminence of this issue is found primarily in Lea County New Mexico. ConocoPhillips is requesting that NMOCD work in a collaborate effort to address logical restoration for the descriptive historic sites.

Our objective will be to:

- 1. Improve sustainable development by incorporating sound scientific principles and evaluations for aged/weathered upstream constituents.
- 2. Utilize assessment guidelines published by the NMOCD Unlined Surface Impoundment Closure Guidelines.
- 3. Implement surface restoration and incorporate controls protective to human health and the environment.

Step	Descriptive Title	Actions
1	Submit General Site Closure Plan Request	Collaborate with appointed NMOCD personnel and ConocoPhillips for an approved general action plan and administrative tasks for site closure.
2	Site Assessment Characterization	Collect soil/water/other site data.
3	Is groundwater unimpacted? Can restoration plan be implemented?	Yes, \Rightarrow Step 5 considerations No, \Rightarrow Step 4
4	Groundwater or surface water impact plan	Choose what actions are to be done (groundwater abatement plan, active/passive system). Repeat steps 1 and 2 and 4 as needed then proceed to step 5
5	Surface Restoration Plan	• Implement a programmatic approach to restoration plan.
6	Submit Information, Request No Further Action	Submit to NMOCD final report and request for no further action.

SUMMARY TABLE OF STEPS, AND ACTIONS TO BE TAKEN BY OPERATOR

INITIAL REPORTING, ACTIONS, AND CLEANUP

STEP 1 – Submit General Site Closure Plan Request

Submit to NMOCD location and specific site description and maps prior to the commencement of work. Notification will also be given to appropriate surface stakeholders for each site. This list will be reviewed and if necessary revised and resubmitted whenever new site information is obtained.

STEP 2 – Site Assessment Characterization

The purpose of a limited site assessment is to document whether or not there is impact at or from the site that could cause a significant risk to human health or the environment.

A typical limited site assessment includes the following:

- Background data and maps.
 - 1. Site legal location (qtr-qtr-qtr, Sec-Twp-Rng).
 - 2. Location site on an aerial photo or a topographic, county road, or other appropriate map that is labeled with the site's section, township, and range.
 - 3. Include the Latitude/Longitude from GPS readings or other sources when available.
 - 4 Topographic map, area geological and hydrological data (including water table depth and water quality) if available can help in determining possible migration pathways (see glossary). Soils information can be obtained from the USDA-NRCS soil survey maps and descriptions.
- Site information Provide a short, written narrative and a site map for the following:
 - 1. A visual site inspection at and near the pit area (e.g. impairments seen, including damage to crops or pasture; surface soil type; hydrocarbon stains, odors, and seeps; buildings, equipment, and power lines; evidence of underground utilities or pipelines). Draw structure and observation locations on a site map.
 - 2. Observable area information (e.g. agricultural or other land use; all wells and water bodies within 1000 feet; known and flagged oil and gas lines).
 - 3. Obtainable records, such as data on rural water lines, water well records, and local water system wellhead protection area.
- Sampling Data delineate the horizontal/vertical extent and concentration(s) of the impact area(s) extent with samples taken in, around, and under the affected soil.
 - 1. All sampling shall be:
 - a. NMOCD personnel witness, or
 - b. Performed by or under the oversight of a qualified geoscientist (see glossary, App. VII) or
 - c. Performed by other qualified person(s) with appropriate soil and/or water sampling training and/or experience; document training/experience.

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- 2. Utilize NMOCD's standard operating procedure for sampling.
- 3. A field kit, field PID, soil gas analyses, or other on-site testing or screening methodology may be used to identify the impacted versus unimpacted areas. The task will also pinpoint the areas for confirmation sampling prior to site restoration.
- 4. The plan will include one soil background sample to assist former pit dimension.
- 5. Sampling includes borings (or other excavations) <u>in the site area(s) most likely to be</u> <u>impacted</u> based on site screening data, visual criteria, normal movement of liquid contaminants downhill/downgradient, and/or other information.
 - a. Step 3 Sampling Data will be implemented for center site assessment consisting of 5-foot intervals below ground surface (bgs). Confirmation samples will be analyzed at an NMOCD/ConocoPhillips approved laboratory for confirmation TPH and Chlorides for each boring.
 - b. A detailed descriptive log from the surface to total depth (TD), with information as to changes in soil (using sand-silt-clay percentages) and/or rock types and apparent degree of contamination, should be made for each boring or excavation using a standard classification system such as the Unified Soil Classification System or Wentworth, and the Munsel color charts.
 - c. Cross-sections will be made from these logs showing changes across the site in soil/rock type, contamination with depth, and relative water table information.
 - d. Sampling for geochemical parameters will be completed in the center boring using EPA method 1312 synthetic precipitation leachate procedures (SPLP) for determining the potential for pit material to migrate downward.
 - e. The horizontal extent of each site will be sampled again using step 3 of this section.
 - f. Submit a table of sampling data with a map showing sampling locations.
 - g. Borings not converted to monitoring wells will be properly plugged back to surface using cement, bentonite, or other means as required by the NMOCD.

STEP 3 – Is groundwater unimpacted? Can restoration plan be implemented?

Make any necessary revisions following the Site Assessment if groundwater was found at a different depth than predicted or surface water or groundwater is impacted. If water is not impacted then proceed to Step 5. If cleanup criteria are not met, go to Step 4 and repeat steps 1,2,4 and necessary.

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STEP 4 - Groundwater or surface water impact plan

• Discuss with NMOCD for developing a site-specific plan for each site.

STEP 5 - Surface Restoration Plan

Demonstrate stabilization

- Fully document the extent of the impacted area.
- Demonstrate stabilization by the following:
 - Restore surface by stripping and stockpiling topsoil 2 feet below surface and installing a clay cap or geo-membrane. The clay barrier would suffice for containment/isolation of impact and prevention of downward percolation or migration from surface or near surface influences. The installation would consist of a compacted clay liner approximately 12"thick. The clay will meet or exceed 95% of a Proctor Test ASTM-D-698 with permeability (hydraulic conductivity) equal to or less than 1x10⁻⁶ cm/sec. The material would be tested for density randomly for compliance. According to reliable sources this material is available at a local site between Eunice and Hobbs NM. If clay is not available in sufficient quantity and of acceptable quality within a reasonable haul distance of the site, the clay barrier will be replaced with a geo-membrane of sufficient quality, density, and thickness to provide 1X10⁻⁶ cm/sec
 - Top dress surface with 12 inches of unimpacted topsoil.
 - Remove stockpile to approved area for disposal or treatment.
 - Re-vegetate according to NMOCD/BLM preferred practice.

DATA SUBMISSION AND CLOSURE REQUEST

STEP 6 – Submit Information, Request No Further Action.

- Submit necessary maps:
- Submit copy of the Site Assessment report.
- Restoration documentation completed.
- Surface restoration demonstrated by site photography
- Cover letter requesting no further action for each site

ConocoPhillips

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Received by OCD: 4/24/2023 9:59:43 AM

Price, Wayne

From:

Sent:

To:

Cc:

Subject:

Price, Wayne Tuesday, February 26, 2002 9:54 AM 'r-neal.goates@conoco.com'; 'cyancey@maximusa.com' Sheeley, Paul; Johnson, Larry Conoco Lockhart A-27 OCD Case #1R0345

Contacts:

Neal Goates

Dear Mr. Goates:

The OCD approves of the work plan dated January 15, 2002 submitted by Maxim Technologies with the following conditions:

1. Notify the OCD Santa Fe office and the OCD District office at least 72 hours in advance of all scheduled activities such that the OCD has the opportunity to witness the events and/or split samples during OCD's normal business hours.

2. Provide a closure report for OCD approval with photos, waste manifest, and final bottom hole sampling results by April 01, 2002.

Please be advised that NMOCD approval of this plan does not relieve Conoco Inc. Company of liability should their operations fail to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD approval does not relieve Conoco Inc. Company of responsibility for compliance with any other federal, state, or local laws and/or regulations.

District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

District IV 1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Operator:	OGRID:
EXXONMOBIL PIPELINE COMPANY	193287
P.O. Box 2220	Action Number:
Houston, TX 772522220	210060
	Action Type:
	[IM-SD] Incident File Support Doc (ENV) (IM-BNF)

CONDITIONS

Created By		Condition Date
amaxwell	None	4/26/2023

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