

1RP - 483_____

APPROVALS

YEAR(S):

2007_____

Price, Wayne, EMNRD

From: Price, Wayne, EMNRD
Sent: Monday, December 17, 2007 3:13 PM
To: mark@laenvironmental.com
Subject: John Hindrex 1R0483 and 1R0484 Elliot

Dear Mark,

Sorry for the delay, I was out sick with the flu. Pursuant to our meeting last week OCD hereby approves the pit closure plans as described in the meeting. Groundwater monitoring and possible remediation will continue as discussed.

Please be advised that OCD approval of this plan does not relieve the owner/operator of responsibility 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, OCD approval does not relieve the owner/operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

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12/17/2007

SITE GPS
N 32° 24' 42.4"
W 103° 10' 31.1"

MW-2

HISTORIC
HYDROCARBONS
(PIT)

BH-6

BH-9

BH-5

TARGA PIPELINE

BH-10

BH-7

MW-1

FENCE

HISTORIC
HYDROCARBONS

HISTORIC
HYDROCARBONS

BH-3

BH-2

BH-4

BH-1

BATTERY #2

BH-8

BATTERY #3

SEPARATORS

LEASE ROAD

CATTLE GUARD

GRAPHIC SCALE IN FEET

0 100' 200'
 Scale: 1" = 100'

LEGEND

BH-11 • BORE HOLE LOCATION
 MW-1 ⊕ MONITORING WELL LOCATION

FIGURE #2

LEA COUNTY, NEW MEXICO

JOHN H. HENDRIX CORPORATION
 ELLIOT B-9 LEASE BATTERY #2 & #3
 U.L. D. (NW1/4, NW1/4)
 SECTION 9, T-22-S, R-37-E

1R0484
 SITE DRAWING

DATE
11-15-07
 NAME: TA
 FILE:
6-0104-02

Larson &
 associates, inc.
 Environmental Consultants

Table 1
1R0483

Monitoring Well Drilling and Completion Details
John H. Hendrix Corporation, Elliott B-9 Tank Battery #2 and #3
Unit D (NW/4, NW/4), Section 9, Township 22 South, Range 37 East, Lea County, New Mexico

Well Number	Date Drilled	Drilled Depth (Feet BGS)	Well Depth (TOC)	Casing Stickup (Feet)	Well Screen (Feet BGS)	Water Level (Feet BGS)
MW-1	10/16/07	90	88.88	2.81	66.13 - 86.07	79.48 (10/16/07)
MW-2	12/03/07	91	90.44	2.89	67.61 - 86.92	77.91 (12/03/07)

Note: Wells drilled and installed by Scarborough Drilling, Inc., using 2-inch Schedule 40 PVC casing and 0.010-inch slotted screen.

1. BGS: Feet below ground surface

2. TOC: Feet below top of PVC well casing

Table 2
1R0483

Summary of Laboratory Analysis of Monitor Well Soil Samples
John H. Hendrix Corporation, Elliott B-9 Tank Battery #2 and #3

Unit Letter D (NW/4,NW/4), Section 9, Township 22 South, Range 37 East, Lea County, New Mexico

Sample	Sample Depth	Date	GRO C6-C12	DRO C12 - C28	Total TPH C6-C28	Chloride
MW-1	0'	10/16/07	<18.6	<18.6	<18.6	52.8
	20'	10/16/07	<19.4	<19.4	<19.4	1,540
	40'	10/16/07	<17.7	27.7	27.7	225
	60'	10/16/07	<18.0	71.9	71.9	331
MW-2	0'	12/03/07	--	--	--	<4.97
	20'	12/03/07	--	--	--	55.2
	40'	12/03/07	--	--	--	10.9

Notes: Analysis performed by Environmental Lab of Texas, Ltd., Odessa, Texas and DHL Analytical, Inc., Round Rock, Texas
Results are reported in mg/Kg.

1. GRO:

2. DRO:

3. --:

Gasoline - range organics

Diesel - range organics

No data available

Table 3
1R0483

Summary of Laboratory Analysis of Monitor Well Sample
John H. Hendrix Corporation, Elliott B-9 Tank Battery #2 and #3
Unit Letter D (NW/4,NW/4), Section 9, Township 22 South, Range 37 East, Lea County, New Mexico

Parameter	Reporting Units	EPANMED Threshold	MW-1 10/16/07	MW-2 12/03/07
Characteristics				
Chloride	mg/L	250	4080	222
Fluoride	mg/L	1,6	1,51	1,51
Nitrate-N	mg/L	10	9,87	9,87
Sulfate	mg/L	600	243	205
Alkalinity, Bicarbonate	mg/L	--	271	188
Alkalinity, Carbonate	mg/L	--	<10	<10
Alkalinity, Hydroxide	mg/L	--	<10	<10
Alkalinity, Total	mg/L	--	271	188
pH	pH units	6 - 9	6,94	--
Total Dissolved Solids	mg/L	1,000	6,610	973
Volatile Organics				
Benzene	mg/L	0,01	<0.0008	<0.0008
Ethylbenzene	mg/L	0,75	<0.002	<0.002
Toluene	mg/L	0,75	<0.002	<0.002
Total Xylenes	mg/L	0,62	<0.003	<0.003
Total BTEX	mg/L	--	<0.0078	<0.0078
Metals				
Arsenic	mg/L	0,1	0,00852	0,0152
Barium	mg/L	1,0	0,1	0,0469
Cadmium	mg/L	0,01	<0.0003	<0.0003
Calcium	mg/L	--	358	81,6
Chromium	mg/L	0,05	<0.002	<0.002
Lead	mg/L	0,05	<0.0003	<0.0003
Magnesium	mg/L	--	98,9	39
Mercury	mg/L	0,002	<0.00008	<0.00008
Potassium	mg/L	--	18,8	7,15
Selenium	mg/L	0,05	0,00821	0,0129
Silver	mg/L	0,05	<0.001	<0.001
Sodium	mg/L	--	1,860	133

Notes: Analysis performed by DHL Analytical, Inc., Round Rock, Texas

1. mg/L: Milligrams per liter
2. <: Below method detection limit
3. --: No data available