

GRC 2004

## Hope Monzeglio

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**From:** David Cobrain [david\_cobrain@nmenv.state.nm.us]  
**Sent:** Wednesday, June 02, 2004 9:37 AM  
**To:** Hope Monzeglio  
**Subject:** FW: Landfarm Analyses 1998 - 2004.xls

**Importance:** High



Sample Grids for Landfarm Analyses  
Landfarms.xls... 1998 - 2004...

-----Original Message-----

**From:** Dorinda Mancini [mailto:dmancini@giant.com]  
**Sent:** Wednesday, May 19, 2004 2:14 PM  
**To:** 'wprice@state.nm.us'; 'david\_cobrain@nmenv.state.nm.us';  
'dfoust@state.nm.us'  
**Cc:** Ed Riege; Steve Morris  
**Subject:** Landfarm Analyses 1998 - 2004.xls  
**Importance:** High

<<Sample Grids for Landfarms.xls>> <<Landfarm Analyses 1998 - 2004.xls>>

Wayne, Denny, and Dave - I will follow these spreadsheets up with a letter outlining our request for use of these soils within a few days. Thank you for your assistance. Please let me know if you have any questions or concerns.

Dorinda Mancini  
Environmental Manager  
Ciniza Refinery, GRC

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**Ciniza Refinery  
Giant Refining Company  
Discharge Plan GW-032**

NE OCD Landfarm Sample Grid  
Length 20 Ft. by Width 7.5 Ft..

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150

**Ciniza Refinery  
Giant Refining Company  
Discharge Plan GW-032**

CENTRAL OCD Landfarm Sample Grid  
Length 22 Ft. by Width 20 Ft.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120
121	122	123	124	125	126	127	128	129	130
131	132	133	134	135	136	137	138	139	140
141	142	143	144	145	146	147	148	149	150

**CINIZA REFINERY  
GIANT REFINING COMPANY**  
Discharge Plan GW-032

**Table 1  
OCD Central Landfarm  
(mg/Kg)**

Date	Sample ID	TPH	Gasoline	Diesel	Oil	benzene	e-benzene	o-xylene	m/p xylene	toluene
6/18/1998	OCD - 15	3200	<100	1300	1900					
6/18/1998	OCD - 39	4700	<100	1500	3200					
6/18/1998	OCD - 93	4700	<100	1900	2800					
6/18/1998	OCD - 137	4700	<100	1800	2900					
7/8/1998	OCD-North			1700						
7/8/1998	OCD-South			3000						
11/1/1999	OCD-North	1520	<10	560	960					
11/1/1999	OCD-South	1070	<10	320	750					
8/2/2000	OCD-East	2090	<50	690	1400					
8/2/2000	OCD-West	1910	<50	610	1300					
1/4/2001	OCD LF		<10	920		<0.005	<0.005	<0.005	<0.01	<0.005
12/19/2002	OCD - 59			720	600					
12/19/2002	OCD - 63			880	680					
12/19/2002	OCD - 112			1200	980					
5/14/2004	Central - North		<5	610	570					
5/14/2004	Central - South		<5	850	990					

**Table 2**  
**OCD Central Landfarm**  
(mg/Kg) **Total & TCLP Metals**

Date	Sample ID	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
1/4/2001	OCD LF Soil Total	<3	303	0.5	23.8	32.3	1.66	<2.5	<1
1/30/2001	OCD - North Total	12	396	0.8	19	30	3.02	<4	<2
	TCLP	<0.1	0.7	<0.01	<0.02	<0.1	<0.01	<0.1	<0.05
1/30/2001	OCD - South Total	10	254	<0.5	17	27	0.3	<4	<2
	TCLP	<0.1	0.7	<0.01	<0.02	<0.1	<0.01	<0.1	<0.05

**Table 3**  
**NE OCD Landfarm - Below the Treatment Zone**  
(mg/Kg)

Date	Sample ID	TPH	Gasoline	Diesel	Oil	Volatiles (8260B)	Semi-vols (8270B)
12/7/2000	BTZ-RRR-Lag Assaigai Lab		<0.25	<25	<100	ND	ND
12/7/2000	BTZ-RRR-Lag IML		<5	<30		ND	ND

**Table 4**  
**NE OCD Landfarm - Below the Treatment Zone**  
(mg/Kg) **Total Metals**

Date	Sample ID	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
12/7/2000	BTZ-RRR-Lag Assaigai Lab	<3	333	0.24	9.8	9.8	0.1	<2.5	<0.5
12/7/2000	BTZ-RRR-Lag IML	0.6	326	<0.5	10	11	<0.06	<0.5	<2

**Table 5**  
**NE OCD Landfarm - Below the Treatment Zone**  
(mg/Kg)

Date	Sample ID	pH	Calcium	Magnesium	Potassium	Silicon	Sodium
12/7/2000	BTZ-RRR-Lag Assaigai Lab	7	19200	5160	1399	888	995

**Table 6**  
**NE OCD Landfarm - Remediated Soil**  
(mg/Kg)

Date	Sample ID	TPH	Gasoline	Diesel	Oil	Volatiles (8260B)	BNA
4/17/2001	Temp LTA TCLP					ND	ND
8/28/2001	Temp LTU - No.	205					
8/28/2001	Temp LTU - So.	100					
12/19/2002	RRR - 36			5600	1100		
12/19/2002	RRR - 76			3500	820		
12/19/2002	RRR - 125			2700	700		
5/13/2004	NE - North		<5	1400	910		
	NE - South		ND	1000	800		

**Table 7**  
**Railroad Rack Lagoon Sludge**  
(mg/Kg) **Total & TCLP Metals**

Date	Sample ID	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
12/7/2000	RRR Lagoon Sl. Assaigai-Total	<3	560	0.41	42.4	77.8	1.18	<2.5	<0.5
12/7/2000	RRR Lagoon IML-Total	0.6	300	0.5	10	10	0.21	<0.5	<1
4/17/2001	RRR Lag Summit-TCLP	<0.01	<1.0	<0.005	<0.05	<0.1	<0.002	<0.02	<0.01

**Table 8**  
**Railroad Rack Lagoon Sludge**  
(mg/Kg)

Date	Sample ID	TPH	Gasoline	Diesel	Oil	benzene	e-benzene	o-xylene	m/p xylene	toluene
12/7/2000	RRR Lagoon Sl. Assaigai		760	17000	7400	0.6	3.1	5.5	15	3.1
12/7/2000	RRR Lagoon IML			13,500	27000	<0.5	1	2.2	5.4	1.6

**Table 9**  
**Railroad Rack Lagoon Sludge**  
(mg/Kg) **TCLP Volatiles & Semi-Volatiles**

Date	Sample ID	Vols	BNA
4/17/2001	RRR Lagoon Summit	ND	ND

## Hope Monzeglio

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**From:** David Cobrain [david\_cobrain@nmenv.state.nm.us]  
**Sent:** Wednesday, June 02, 2004 8:43 AM  
**To:** Dorinda Mancini  
**Cc:** Hope Monzeglio; 'Wayne Price'  
**Subject:** RE: Landfarm Analyses 1998 - 2004.xls GW-032

Dorinda,

I have reviewed your email regarding the analyses of landfill soils dated May 19, 2004. As we discussed by phone last month, soils containing diesel- and oil-range hydrocarbons at concentrations less than 2000 mg/kg may be used as dike material between ponds 5 & 6 and as backfill at SWMU 8 (Railroad Rack Lagoon). Please be aware that NMED requires the collection and analysis of discrete soil confirmation samples from the limits of the railroad rack lagoon remedial excavation to demonstrate that all soils containing contaminants of concern at concentrations greater than industrial cleanup levels as listed the New Mexico Soil Screening Levels (Technical Background Document for Development of Soil Screening Levels, Revision 2.0, February 2004) and have been removed.

A letter of approval will follow. Please call if you have questions.

-----Original Message-----

**From:** Dorinda Mancini [mailto:dmancini@giant.com]  
**Sent:** Wednesday, June 02, 2004 7:02 AM  
**To:** Dave Cobrain (E-mail)  
**Cc:** Ed Riege; Wayne Price (E-mail); Steve Morris  
**Subject:** FW: Landfarm Analyses 1998 - 2004.xls GW-032  
**Importance:** High

Dave,

Please reply as soon as you can regarding approval of use of remediated soil to construct berms around the NE OCD landfarm. We would also like your concurrence on our request to use any remaining remediated soil from this landfarm as fill for the SWMU 8 Lagoon.

Thanks for your assistance.  
Dorinda Mancini  
Environmental Manager, Ciniza Refinery  
Giant Refining Co.

-----Original Message-----

**From:** Price, Wayne [mailto:WPrice@state.nm.us]  
**Sent:** Tuesday, May 25, 2004 9:51 AM  
**To:** 'Dorinda Mancini'  
**Subject:** RE: Landfarm Analyses 1998 - 2004.xls GW-032

OCD is in receipt of the May 24, 2004 requests:

SWMU 8 Railroad Rack Lagoon Use of Remediated Soil from the OCD Northeast Landfarm to construct berms around this landfarm.

OCD hereby approves with the condition that NMED must concur.

Use of Remediated soil from the central OCD Landfarm to cover the area on the northwest corner of the site where the temporary evaporation ponds were located, after removal of the surface soil in that area. The soil that is removed will be used to construct a dike between ponds 5 & 6.

OCD hereby approves of this plan.

Please be advised that this approval does not relieve Giant of any future responsibility if these action causes an exceedence of the WQCC groundwater or surface standards or violate any other Federal, State or local laws.

-----Original Message-----

From: Dorinda Mancini [mailto:dmancini@giant.com]  
Sent: Wednesday, May 19, 2004 2:14 PM  
To: 'wprice@state.nm.us'; 'david\_cobrain@nmenv.state.nm.us';  
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Environmental Manager  
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