

GW - 001

**Operation &
Maintenance**

Chavez, Carl J, EMNRD

From: Schmaltz, Randy [Randy.Schmaltz@wnr.com]
Sent: Tuesday, August 18, 2009 11:15 AM
To: Chavez, Carl J, EMNRD; Hurtado, Cindy
Cc: Krakow, Bob
Subject: RE: Request for Approval - Sump #37

Carl,

Thanks for the prompt response!

From: Chavez, Carl J, EMNRD [mailto:CarlJ.Chavez@state.nm.us]
Sent: Tuesday, August 18, 2009 11:11 AM
To: Hurtado, Cindy
Cc: Schmaltz, Randy; Krakow, Bob
Subject: RE: Request for Approval - Sump #37

Cindy:

Approved. Thank you.

Carl J. Chavez, CHMM
New Mexico Energy, Minerals & Natural Resources Dept.
Oil Conservation Division, Environmental Bureau
1220 South St. Francis Dr., Santa Fe, New Mexico 87505
Office: (505) 476-3490
Fax: (505) 476-3462
E-mail: CarlJ.Chavez@state.nm.us
Website: <http://www.emnrd.state.nm.us/ocd/index.htm>
(Pollution Prevention Guidance is under "Publications")

From: Hurtado, Cindy [mailto:Cindy.Hurtado@wnr.com]
Sent: Tuesday, August 18, 2009 9:27 AM
To: Chavez, Carl J, EMNRD
Cc: Schmaltz, Randy; Krakow, Bob
Subject: Request for Approval - Sump #37

Good Morning Carl,

Bloomfield Refinery conducted their annual underground sump testing during the week of June 8, 2009. Each sump was washed and cleaned using a vacuum truck and then visually inspected. Each sump was also hydrostatically tested by being filled with water and held for 60 minutes. All sumps passed the hydrostatic test and double-walled steel (DW Steel) sumps were also inspected through the leak detection port and no evidence of moisture was seen.

Visual inspection of Sump #37 – a DW steel sump – at Tank #35 indicated pitting and metal loss. Even though the sump passed the hydrostatic test and continues to pass the leak detection port inspection, Bloomfield Refinery management has opted to replace the sump (in kind) at the recommendation of the plant inspector before metal failure occurs. As you can see from the photo, the new sump is double-walled steel with an inspection port and should satisfy OCD requirements.

I am also sending an updated sump spreadsheet. I noticed that sump #37 was listed as concrete and Sump #39 was listed as DW Steel. The opposite is true. Sump #37 is DW Steel and Sump #39 is concrete. I apologize that we missed that typographical error until now.

As per Condition #11 of the August 12, 2005 Discharge Plan Approval Conditions, Bloomfield Refinery is seeking OCD approval to replace Water Draw Sump #37 in kind. Your prompt attention to this matter would be greatly appreciated.

Thanks,
Cindy

Cindy Hurtado
Environmental Coordinator
Western Refining Southwest, Inc. - Bloomfield Refinery
cindy.hurtado@wnr.com
505-632-4161

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Chavez, Carl J, EMNRD

From: Schmaltz, Randy [Randy.Schmaltz@wnr.com]
Sent: Thursday, July 10, 2008 3:37 PM
To: Chavez, Carl J, EMNRD
Cc: Hurtado, Cindy
Subject: Bloomfield Underground line, Tanks, and Sumps IMR
Attachments: OCD-Underground Line, Sump and Tank Index (r1).xls; OCD-Inspection & Repair Schedule for Underground lines, Sumps and Tanks (r1).xls

Carl,

Please find enclosed an electronic copy of Bloomfield's Underground line, Tanks, and Sumps IMR with the OCD requested changes.

I have provided an index which assigns a number to the individual components which should assist in identification and tracking, as well as the IMR.

I will also send you a CD containing both the index and the spreadsheet.

If you have any questions please contact me at (505) 632-4171.

Thanks
Randy

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BLOOMFIELD REFINERY

UNDERGROUND PROCESS AND WASTEWATER LINES - INDEX

Line Number	Description (Service)	Location (Unit) and test group	Line Size	Construction Material	Starting Location	End Location	DRAWING REFERENCE
1	Plant Raw Water Supply	Utility	6	Carbon Steel	River Pump Station	North of Tk. #2 @ Bridge	D-500-800-027
2	Plant Raw Water Supply	Utility	6	PVC	South of Bridge @ Tk. #2	East end of East Fresh Wtr. Pd.	D-500-800-027
3	Water Filter Back Flush	Utility	6	PVC	Filter House @ South Side	East end of East Fresh Wtr. Pd.	D-500-800-027
4	Plant Process Wtr./Fire Wtr.	Utility	8	PVC	Filter House @ South Side	South of Bridge @ Tk. #2	D-500-800-027
5	Plant Process Wtr./Fire Wtr.	Utility	8	Carbon Steel	South of Bridge @ Tk. #2	Tk. #2 / Fire Pump House	D-500-800-027
6	Plant Process Wtr. Feed	Utility	6	Carbon Steel	Tk. #2 Pump House/Fire House	Valve Box @ West of #1 Cooling Twr.	D-500-800-027
7	Plant Raw Wtr. Pump Suct.	Utility	16	Carbon Steel	Isolation Valve Box Filter House	Pump Suction in Filter House	D-500-800-031
8	Effluent Wtr. Transfer Line	Utility	6	PVC	Effluent Pond Outlet Pump P-616	North Evaporation Pond	D-500-800-031
9	Effluent Wtr. Trans. Pump	Utility	6	PVC	North Evaporation Pond Outlet	Effluent Transfer Pump P-671	D-500-800-031
10	Effluent Wtr. Pump Disch.	Utility	6	PVC	Effluent Trans. Pump Disch.	Injection Well Building	D-500-800-031
11	Injection Well Recir. Line	Utility	6	PVC	Injection Well Building	North Evaporation Pond	D-500-800-031
12	River Terrace Transfer Line	Utility	2	PVC	River Terrace Processing Skid	River Pump Building Water Basin	D-500-800-043
13	Crude Transfer Line	Terminals	12	Carbon Steel	Pipe Rack East Of LPG Stg Tks.	Pipe Rack Southwest of Tk. # 31	N/A
14	Steam Header at Terminals	Utility	6	Carbon Steel	Pipe Rack Southeast of Tk. # 31	Pipe Rack East Of LPG Stg. Tks.	N/A
15	Condensate Return Header	Utility	4	Carbon Steel	Pipe Rack East Of LPG Stg Tks.	Pipe Rack Southwest of Tk. # 31	N/A
16	C-4 To Blend	Terminals	4	Carbon Steel	Pipe Rack East Of LPG Stg Tks.	Pipe Rack Southwest of Tk. # 31	N/A
17	Diesel Sales Line	Terminals	12	Carbon Steel	Pipe Rack Southeast of Tk. # 31	Filter Pad Area North Of Loading Pad	N/A
18	Life Natural Line	Terminals	12	Carbon Steel	Pipe Rack Southeast of Tk. # 31	Filter Pad Area North Of Loading Pad	N/A
19	(DEAD) Out Of Service	Terminals	12	Carbon Steel	Pipe Rack Southeast of Tk. # 31	Rack Area North Of Tk. # 23	N/A
20	Lite Straight Run Product	Terminals	4	Carbon Steel	Pipe Rack Southeast of Tk. # 31	Area Northeast Of Tk. # 21	N/A
21	Poly Material To Storage	Terminals	3	Carbon Steel	Pipe Rack Southeast of Tk. # 31	Pipe Rack Southwest of Tk. # 31	N/A
22	Poly Unit Feed Line	Terminals	3	Carbon Steel	Area Northeast Of Tk. # 21	Pipe Rack Southwest of Tk. # 31	N/A
23	LPG Return Line	Terminals	2	Carbon Steel	Area Northeast Of Tk. # 21	Pipe Rack Southwest of Tk. # 31	N/A
24	Saturate To Storage	Terminals	2	Carbon Steel	Pipe Rack Southeast of Tk. # 31	Area Northeast Of Tk. # 21	N/A
25	C-4 To Storage	Terminals	2	Carbon Steel	Pipe Rack Southeast of Tk. # 31	Area Northeast Of Tk. # 21	N/A
26	C-3 To Storage	Terminals	2	Carbon Steel	Pipe Rack Southeast of Tk. # 31	Area Northeast Of Tk. # 21	N/A
27	JP-8 Sales Line	Terminals	8	Carbon Steel	Pipe Rack Southeast of Tk. # 31	Out Of Service	N/A
28	#1 Diesel Sales From Tk. #18	Terminals	6	Carbon Steel	Pipe Rack Southeast of Tk. # 31	Filter Pad Area North Of Loading Pad	N/A
29	Slop Line To Tk. # 221	Terminals	4	Carbon Steel	Area Northeast Of Tk. # 21	Out Of Service	N/A
30	Isomerate/Naphtha Line	Tank Farm	6	Carbon Steel	Low Rack West Of Tk. # 25	Area West Of Bullet Tk. # 12	N/A
31	Premium Sales	Tank Farm	8	Carbon Steel	West of API Separator	DHT Option City	N/A
32	Refonate from Tk.s # 3 & 4	Tank Farm	6	Carbon Steel	Pipe Rack West Of Tk. # 36	Filter Pad Area North Of Loading Pad	N/A
33	Napha to VRU	Terminals	4	Carbon Steel	Crude Line East Of Tk. # 21	Manifold @ VRU Unit	N/A
34	Napha Feed To VRU Unit	Terminals	4	Carbon Steel	Transfer Pump @ Tk. # 44	Manifold @ VRU Unit	N/A
35	Napha Fill/Run To Tk. #44	Terminals	4	Carbon Steel	Manifold @ VRU Unit	Napha Fill Line To Tk. # 44	N/A
36	#1 Diesel To Bays #1 & 2	Terminals	8	Carbon Steel	From F-706 Filter Piping	To Meter Spools @ Bays # 1&2	D-700-500-118
37	(Old Kerosene) To Bay # 3	Terminals	6	Carbon Steel	From F-706 Filter Piping	To Meter Spools @ Bays # 3	D-700-500-118
38	Premium Sales Line	Terminals	10	Carbon Steel	From F-705 Filter Piping	To Meter Spools @ Bays # 1,2 & 3	D-700-500-118
39	(Old Unleaded Sales Line	Terminals	10	Carbon Steel	From F-704 Filter Piping	To Meter Spools @ Bays # 1,2 & 3	D-700-500-118
40	Diesel To Bay # 4	Terminals	8	Carbon Steel	From F-703 Filter Piping	To Meter Spool @ Bay # 4	D-700-500-123
41	Ethanol Pump Suction Line	Terminals	8	Carbon Steel	From Tk. # 45 Outlet Nozzel	To P-707 & P-707A Pump Suction	D-700-500-140
42	Ethanol Unloading Line	Terminals	4	Carbon Steel	From P-706 Pump Discharge	To Tk. # 45 Inlet Nozzel	D-700-500-140
43	Naphtha Unloading Line	Tank Farm	6	Carbon Steel	Berm North of Tk. #35	Unloading line @ Tk. #18 and 19	B-600-500-296

BLOOMFIELD REFINERY

UNDERGROUND PROCESS AND WASTEWATER LINES - INDEX

Line Number	Description (Service)	Location (Unit) and test group	Line Size	Construction Material	Starting Location	End Location	DRAWING REFERENCE
44	Naptha Rundown To Tk. # 35	Tank Farm	3	Carbon Steel	Line From North Pipe Rack Area	To Tk. # 35 Fill Nozzle	B-600-500-232
45	Naptha Feed Line to Unit	Tank Farm	4	Carbon Steel	From P-607A Pump Discharge	To North Pipe Rack Feed To Units	B-600-500-236
46	Cooling Water Supply Line	Utility	12	Carbon Steel	From # 1 Cooling Tower Pumps	To Rack Area @ Reformer Unit	D-500-500-011
47	Cooling Water Return Line	Utility	12	Carbon Steel	From Rack Area @ Reformer	To # 1 Cooling Tower Water Inlet	D-500-500-011
48	Cooling Water Supply Line	Utility	20	Carbon Steel	From # 2 Cooling Tower Pumps	To S. End of FCC Unit @ Twr. 207 Area	D-201-500-123
49	Cooling Water Return Line	Utility	20	Carbon Steel	From South End of FCC Unit	To # 2 Cooling Tower Water Inlet	D-201-500-123
50	Sewer Transfer Line	Crude	10	Carbon Steel	From Main Sewer Box # 12	To Main Sewer Box # 11	D-500-500-134
51	Sewer Transfer Line	Crude	10	Carbon Steel	From Main Sewer Box # 11	To Observation Access Can	D-500-500-134
52	Sewer Transfer Line	Crude	12	Carbon Steel	From Observation Access Can	To Observation Access Can	D-500-500-134
53	Sewer Transfer Line	Crude/Reforme	12	Carbon Steel	From Observation Access Can	To Main Sewer Box # 5	D-500-500-134
54	Sewer Transfer Line	Crude	14	Carbon Steel	From Main Sewer Box # 5	To Observation Access Can (Desalter)	D-500-500-134
55	Sewer Transfer Line	Crude	14	Carbon Steel	From Observation Access Can	To Main Sewer Box # 3	D-500-500-134
56	Sewer Transfer Line	Crude	12	Carbon Steel	From Main Sewer Box # 9	To Main Sewer Box # 8	D-500-500-134
57	Sewer Transfer Line	Crude	12	Carbon Steel	From Main Sewer Box # 8	To Main Sewer Box # 7	D-500-500-134
58	Sewer Transfer Line	Crude	14	Carbon Steel	From Main Sewer Box # 7	To Main Sewer Box # 3	D-500-500-134
59	Sewer Transfer Line	Crude	14	Carbon Steel	From Main Sewer Box # 3	To Observation Access Can (Precipitator)	D-500-500-134
60	Sewer Transfer Line	Crude	14	Carbon Steel	From Observation Access Can	To Main Sewer Box # 1	D-500-500-134
61	Sewer Transfer Line	Crude	12/10	Carbon Steel	From Main Sewer Box # 1	To Inlet @ API Separator	D-500-500-106
62	Sewer Collection Manifold	Crude	8>4	Carbon Steel	Area East Side of # 4 Boiler	To North Side of Sewer Box # 12	D-500-500-124
63	Sewer Collection Manifold	Crude	10>4	Carbon Steel	Area @ & Around Crude Twr.	To North Side Of Sewer Box # 11	D-500-500-124
64	Sewer Collection Manifold	Crude	8>4	Carbon Steel	Area @ & Around E-106A & B	To Northwest Of Sewer Box # 10	D-500-500-124
65	Sewer Collection Manifold	Crude	6	Carbon Steel	Area @ V-101A Desalter	To East Side Of Sewer Box # 10	D-500-500-124
66	Sewer Collection Manifold	Reformer	10>4	Carbon Steel	Area Thru Reformer Pump Flow	To Observation Access Can	D-500-500-098
67	Sewer Collection Manifold	Reformer	10>4	Carbon Steel	Area Along East Side of Reformer	To Observation Access Can	D-500-500-098
68	Sewer Collection Manifold	Desalter	8>4	Carbon Steel	Area @ & Around V101 Desalter	To Observation Access Can (Desalter)	D-500-500-124
69	Sewer Collection Manifold	Crude	8>4	Carbon Steel	Area @ & Around T-101 Tower	To West Side Of Sewer Box # 9	D-500-500-124
70	Sewer Collection Manifold	Crude	8>4	Carbon Steel	Area @ & Around P101 Charge P.	To North Side Of Sewer Box # 9	D-500-500-124
71	Sewer Collection Manifold	Crude	8>4	Carbon Steel	Area @ & Around T-123 Tower	To Northwest Side Of Sewer Box # 8	D-500-500-124
72	Sewer Collection Manifold	Crude	8>4	Carbon Steel	Area @ & Around Heavy Oil Exch.	To North Side Of Sewer Box # 8	D-500-500-124
73	Sewer Collection Manifold	Crude	8>4	Carbon Steel	Area @ & Around Main Air Blower	To Northwest Side Of Sewer Box # 3	D-500-500-134
74	Sewer Collection Manifold	Burner Fuel	6>3	Carbon Steel	Area @ Burner Fuel Loading	To Observation Access Can (Precipitator)	D-600-500-127
75	Sewer Collection Manifold	Air Building	4	Carbon Steel	Area Drains @ Air Building	To Sewer Transfer Line (Box # 1 to API)	D-500-500-160
76	Sewer Collection Manifold	FCC	4	Carbon Steel	P-224 Pump & Cat Surface Drain	To Sewer Transfer Line From FCC Process	N/A
77	Sewer Collect./Transfer Line	Gas Con.	6	Carbon Steel	Gas Con Unit Collection M.H.	To FCC Sewer Box Manhole # 1 (Roadway)	D-500-500-102
78	Sewer Transfer Line	FCC	10	Carbon Steel	From FCC Sewer Box M.H. # 1	To FCC Sewer Box Manhole # 2 (Roadway)	D-500-500-102
79	Sewer Transfer Line	FCC	10	Carbon Steel	From FCC Sewer Box M.H. # 2	To 20" Inlet @ API	D-500-500-106
80	Sewer Collection Manifold	Gas Con.	6/4	Carbon Steel	Area @ & Around Gas Con. Unit	To Gas Con. Unit Sewer Collection Manhole	D-201-500-001
81	Sewer Transfer Line	Treater	10	Carbon Steel	From Treater Main Sewer Box # 4	To (New) MainSewer Box S.E. Of C-204	D-500-500-166
82	Sewer Transfer Line	Treater	10	Carbon Steel	From Main Sewer Box @ C-204	To 20" Inlet @ API	D-500-500-105
83	Sewer Collection Manifold	Treater	10>4	Carbon Steel	Area In & Around Treater Unit	To Treater Sewer Box At South Side Of Unit	D-500-500-122
84	Sewer Collection Manifold	Poly	6>2	Carbon Steel	Area In & Around Poly Unit	To Inlet Bay @ API	D-500-500-126
85	Sewer Transfer Line	DHT	10	Carbon Steel	From Sewer Box # 18 @ DHT Unit	To Sewer Box # 17 @ S.E. Corner of Poly	D-500-500-097
86	Sewer Transfer Line	DHT	12	Carbon Steel	From Sewer Box # 17	To Inlet Manifold @ API Basin Area	
87	Sewer Collection Manifold	DHT/Sulferox	10>4	Carbon Steel	Sulferox	Poly and DHT units	

BLOOMFIELD REFINERY

UNDERGROUND PROCESS AND WASTEWATER LINES - INDEX

Line Number	Description (Service)	Location (Unit) and test group	Line Size	Construction Material	Starting Location	End Location	DRAWING REFERENCE
88	Crude Transfer Line	Terminals	12	Carbon Steel	Pipe Rack East Of LPG Stg Tks.	Pipe Rack South Of Crude Unloading	N/A
89	Crude Transfer Line	Terminals	12	Carbon Steel	Pipe Rack South Of Crude Unloading	Berm South of Tank # 43	N/A

