Atterberg Limit Determinations

Cuttings samples from NC-EWDP-22PC

Test ID	Sample Number	Test Date	Determination 1		Determination 2		Average Liquid Limit	Average Plastic Limit	Plasticity Index
			Liquid Limit	Plastic Limit	Liquid Limit	Plastic Limit			
2	22PC-7.5-10.0-D	7/26/05	20.2	21.2	20.3	20.6	20	21	-1
9	22PC-42.5-45.0-D	7/26/05	19.1	18.2	19.0	18.4	19	18	1
21	22PC-100.0-102.5-D	7/26/05	17.3	20.1	17.1	19.2	17	20	-3
33	22PC-157.5-160.0-D	7/26/05	27.2	21.9	27.1	22.4	27	22	5
37	22PC-177.5-180.0-D	7/26/05	26.4	25.9	26.1	25.2	26	26	0
40	22PC-192.5-195.0-D	7/26/05	28.9	27.1	29.1	26.6	29	27	2
45	22PC-217.5-220.0-D	7/26/05	24.1	25.5	24.1	25.3	24	25	-1
50	22PC-242.5-245.0-D	7/26/05	22.4	22.2	22.4	22.2	22	22	0
55	22PC-267.5-270.0-D	7/27/05	23.0	22.9	23.0	22.4	23	23	0
60	22PC-292.5-295.0-D	7/27/05	29.4	22.5	29.1	23.3	29	23	6
65	22PC-317.5-320.0-D	7/27/05	26.9	20.2	27.1	20.4	27	20	7
70	22PC-342.5-345.0-D	7/27/05	33.4	20.8	33.3	20.6	33	21	12
75	22PC-367.5-370.0-D	7/27/05	36.1	20.7	36.0	21.1	36	21	15
80	22PC-392.5-395.0-D	7/27/05	30.9	19.2	30.8	19.7	31	19	12
85	22PC-417.5-420.0-D	7/27/05	30.9	21.0	30.7	20.8	31	21	10
90	22PC-442.5-445.0-D	7/27/05	38.8	22.7	38.9	22.3	39	23	16

Note: Blanks in liquid limit columns and plasticicy index indicate unmeasurable liquid limit.

Atterberg Limit Determinations

Core grab samples from NC-EWDP-22PC

Test ID	Sample Number	Test Date	Determination 1		Determination 2		Average Liquid Limit	Average Plastic Limit	Plasticity Index
			Liquid Limit	Plastic Limit	Liquid Limit	Plastic Limit			
1	22PC-460.0-460.5-SC	3/24/05	25.3	23.7	25.2	23.9	25	24	1
2	22PC-460.5-461.1-SC	3/24/05	22.4	21.7	22.2	20.8	22	21	1
3	22PC-461.1-461.8-SC	3/24/05	24.6	21.2	23.4	20.9	24	21	3
4	22PC-461.8-463.7-SC	3/24/05	23.4	20.9	23.1	21.0	23	21	2
5	22PC-463.7-464.2-SC	3/24/05	26.9	21.6	27.5	21.2	27	21	6
6	22PC-464.2-466.3-SC	3/24/05	31.1	24.1	30.8	23.8	31	24	7
7	22PC-466.3-468.1-SC	3/24/05	25.2	22.7	25.1	22.7	25	23	2
8	22PC-468.1-469.1-SC	3/24/05	25.8	22.7	25.9	22.0	26	22	4
9	22PC-469.1-471.4-SC	3/25/05	28.3	24.7	28.3	24.7	28	25	3
10	22PC-471.4-473.2-SC	3/25/05	28.5	25.6	27.8	25.9	28	26	2
11	22PC-473.2-474.5-SC	3/25/05	36.2	22.5	36.0	22.1	36	22	14
12	22PC-474.5-476.2-SC	3/25/05	34.9	23.9	34.6	23.7	35	24	11
13	22PC-476.2-481.8-SC	3/25/05	27.2	23.2	26.8	22.4	27	23	4
14	22PC-483.7-484.6-SC	3/25/05	23.7	21.3	23.7	21.1	24	21	3
15	22PC-484.6-488.8-SC	3/25/05	31.9	26.6	32.0	26.8	32	27	5
16	22PC-488.8-491.8-SC	3/25/05	28.9	19.5	29.0	19.1	29	19	10
17	22PC-492.1-493.8-SC	3/29/05	28.6	25.1	28.5	25.1	29	25	4
18	22PC-493.8-494.6-SC	3/29/05	26.0	19.7	25.9	20.1	26	20	6
19	22PC-494.6-497.2-SC	3/29/05	28.3	24.7	28.4	24.4	28	25	3
20	22PC-497.2-499.6-SC	3/29/05	32.4	23.9	32.5	23.9	32	24	8
21	22PC-499.6-501.4-SC	3/29/05	32.7	21.8	32.3	22.2	32	22	10
22	22PC-501.4-504.2-SC	3/29/05	28.9	19.9	29.1	19.3	29	20	9
23	22PC-504.5-505.0-SC	3/29/05	29.6	21.4	29.7	21.3	30	21	9
24	22PC-505.0-509.1-SC	3/29/05	32.2	26.5	32.3	25.8	32	26	6
25	22PC-509.1-509.4-SC	3/30/05	31.3	29.4	31.1	28.6	31	29	2
26	22PC-509.4-513.5-SC	3/30/05	35.1	34.2	35.3	33.5	35	34	1
27	22PC-513.5-516.2-SC	3/30/05	36.8	25.4	36.8	25.1	37	25	12
28	22PC-516.2-519.2-SC	3/30/05	36.4	26.0	36.5	25.3	36	26	10
29	22PC-520.4-521.1-SC	3/30/05	32.4	22.4	31.8	22.0	32	22	10
30	22PC-521.1-521.8-SC	3/30/05	39.8	24.6	39.7	24.1	40	24	16
31	22PC-521.8-522.7-SC	3/30/05	43.3	24.3	43.2	23.9	43	24	19
32	22PC-522.7-525.5-SC	3/30/05	37.6	25.1	37.7	25.4	38	25	13
33	22PC-525.5-526.5-SC	3/31/05	32.4	21.0	32.5	20.7	32	21	11
34	22PC-526.5-529.8-SC	3/31/05	38.2	21.8	38.6	21.8	38	22	16
35	22PC-529.8-531.3-SC	3/31/05	39.2	22.5	39.2	22.6	39	23	16

Note: Blanks in liquid limit columns and plasticicy index indicate unmeasurable liquid limit.

Atterberg Limit Determinations

Core grab samples from NC-EWDP-22PC

Test ID	Sample Number	Test Date	Determination 1		Determination 2		Average Liquid Limit	Average Plastic Limit	Plasticity Index
			Liquid Limit	Plastic Limit	Liquid Limit	Plastic Limit			
36	22PC-531.3-533.1-SC	3/31/05	37.9	21.2	37.9	20.8	38	21	17
37	22PC-533.1-534.1-SC	3/31/05	33.4	19.2	33.4	18.8	33	19	14
38	22PC-534.1-536.6-SC	3/31/05	33.1	23.8	33.1	23.6	33	24	9
39	22PC-536.6-537.8-SC	3/31/05	32.8	19.3	33.7	19.2	33	19	14
40	22PC-537.8-544.0-SC	3/31/05	30.1	22.8	30.2	23.0	30	23	7
41	22PC-544.2-546.7-SC	4/4/05	28.7	27.2	28.6	27.0	29	27	2
42	22PC-546.7-547.5-SC	4/4/05	28.3	27.9	28.4	28.2	28	28	0
43	22PC-547.5-549.5-SC	4/4/05	32.3	21.5	32.4	21.6	32	22	10
44	22PC-549.5-550.2-SC	4/4/05	29.9	20.7	29.8	20.4	30	21	9
45	22PC-550.2-552.8-SC	4/4/05	34.8	20.7	34.9	20.5	35	21	14
46	22PC-552.8-554.5-SC	4/4/05	35.7	20.5	35.8	21.2	36	21	15
47	22PC-554.5-560.2-SC	4/4/05	34.1	27.6	34.2	27.1	34	27	7
48	22PC-560.2-562.8-SC	4/4/05	35.1	21.4	35.1	21.0	35	21	14
49	22PC-562.8-565.4-SC	4/5/05	31.9	31.3	31.9	31.5	32	31	1
50	22PC-565.4-567.1-SC	4/5/05	31.6	23.1	33.5	22.9	33	23	10
51	22PC-567.1-568.1-SC	4/5/05	34.5	23.5	34.7	23.1	35	23	12
52	22PC-568.1-569.9-SC	4/5/05	29.2	27.4	29.2	27.4	29	27	2
53	22PC-569.9-571.3-SC	4/5/05	30.5	29.8	30.4	29.3	30	30	0
54	22PC-571.3-578.1-SC	4/5/05	34.4	29.1	34.5	28.6	34	29	5
55	22PC-578.1-578.6-SC	4/5/05	25.9	22.5	26.1	22.4	26	22	4
56	22PC-578.6-582.8-SC	4/5/05	30.4	27.2	30.3	28.0	30	28	2
57	22PC-582.8-585.3-SC	4/6/05	34.7	30.1	34.7	29.6	35	30	5
58	22PC-585.3-586.2-SC	4/6/05	27.2	22.2	27.3	22.5	27	22	5
59	22PC-586.2-587.0-SC	4/6/05	29.4	25.5	29.4	25.5	29	26	3
60	22PC-587.0-587.8-SC	4/6/05	27.3	19.1	27.3	19.1	27	19	8
61	22PC-587.8-594.5-SC	4/6/05	30.7	26.8	30.7	26.4	31	27	4
62	22PC-594.5-595.0-SC	4/6/05	35.3	22.0	35.6	21.7	35	22	13
63	22PC-595.0-595.7-SC	4/6/05	26.1	20.0	26.1	19.9	26	20	6
64	22PC-595.7-597.3-SC	4/6/05	31.7	25.7	31.7	25.8	32	26	6
65	22PC-597.3-599.6-SC	4/7/05	34.5	31.5	34.5	31.7	35	32	3
66	22PC-599.6-600.3-SC	4/7/05	32.2	31.4	32.2	31.8	32	32	0
67	22PC-600.3-601.9-SC	4/7/05	36.1	26.8	36.1	26.6	36	27	9
68	22PC-601.9-604.1-SC	4/7/05	35.9	25.5	36.2	26.1	36	26	10
69	22PC-604.1-604.7-SC	4/7/05	35.1	29.3	35.2	29.5	35	29	6
70	22PC-604.7-606.3-SC	4/7/05	34.4	23.4	34.5	23.0	34	23	11

Note: Blanks in liquid limit columns and plasticicy index indicate unmeasurable liquid limit.

Atterberg Limit Determinations

Core grab samples from NC-EWDP-22PC

Test ID	Sample Number	Test Date	Determination 1		Determination 2		Average Liquid Limit	Average Plastic Limit	Plasticity Index
			Liquid Limit	Plastic Limit	Liquid Limit	Plastic Limit			
71	22PC-606.6-609.3-SC	4/7/05	30.6	25.0	30.6	25.2	31	25	6
72	22PC-609.3-610.1-SC	4/7/05	30.5	25.4	30.5	25.2	31	25	6
73	22PC-610.1-611.8-SC	4/11/05	36.1	26.3	36.2	26.2	36	26	10
74	22PC-611.8-613.6-SC	4/11/05	39.6	27.3	39.5	27.3	40	27	13
75	22PC-613.6-615.4-SC	4/11/05	34.1	28.9	34.1	28.8	34	29	5
76	22PC-615.5-618.5-SC	4/11/05	31.5	29.6	31.6	29.8	32	30	2
77	22PC-618.5-620.0-SC	4/11/05	31.0	28.9	31.1	28.3	31	29	2
78	22PC-620.0-621.1-SC	4/11/05	32.2	31.0	32.3	30.2	32	31	1
79	22PC-621.1-623.0-SC	4/11/05	33.7	29.8	33.6	29.1	34	29	5
80	22PC-623.0-623.7-SC	4/11/05	29.4	20.4	29.2	19.8	29	20	9
81	22PC-625.2-629.1-SC	4/12/05	33.6	22.6	33.6	21.9	34	22	12
82	22PC-629.1-629.7-SC	4/12/05	31.3	21.3	31.4	21.2	31	21	10
83	22PC-629.7-631.0-SC	4/12/05	31.2	22.7	31.0	22.1	31	22	9
84	22PC-631.0-631.9-SC	4/12/05	33.1	23.4	33.1	23.2	33	23	10
85	22PC-632.1-634.1-SC	4/12/05	34.6	22.1	34.7	22.3	35	22	13
86	22PC-634.1-635.8-SC	4/12/05	33.7	20.9	33.8	20.4	34	21	13
87	22PC-636.1-637.7-SC	4/12/05	22.4	16.6	22.3	16.2	22	16	6
88	22PC-637.7-639.1-SC	4/12/05	30.7	20.3	30.6	19.9	31	20	11
89	22PC-639.1-641.3-SC	4/13/05	28.6	18.5	28.4	18.6	28	19	9
90	22PC-641.6-642.1-SC	4/13/05	29.4	19.8	29.5	19.8	29	20	9
91	22PC-642.1-645.0-SC	4/13/05	28.3	19.9	28.2	19.6	28	20	8
92	22PC-645.0-646.8-SC	4/13/05	33.0	20.0	32.8	20.3	33	20	13
93	22PC-646.8-648.4-SC	4/13/05	25.4	19.8	25.3	19.7	25	20	5
94	22PC-648.4-651.6-SC	4/13/05	36.6	24.7	36.6	23.6	37	24	13
95	22PC-651.6-652.8-SC	4/13/05	34.5	21.2	34.3	20.6	34	21	13
96	22PC-652.8-655.6-SC	4/13/05	33.3	20.3	33.4	20.2	33	20	13
97	22PC-655.6-656.8-SC	4/14/05	30.4	19.9	30.4	19.7	30	20	10
98	22PC-656.8-658.3-SC	4/14/05	35.1	22.2	35.0	21.7	35	22	13
99	22PC-658.3-659.5-SC	4/14/05	34.0	23.0	31.9	22.7	33	23	10
100	22PC-659.5-661.2-SC	4/14/05	31.1	21.4	31.1	21.3	31	21	10
101	22PC-661.2-663.3-SC	4/14/05	30.9	25.6	31.0	25.2	31	25	6
102	22PC-663.3-666.2-SC	4/14/05	29.7	20.6	29.7	20.4	30	20	10
103	22PC-666.2-668.0-SC	4/14/05	34.4	17.0	34.6	16.8	35	17	18
104	22PC-668.0-670.7-SC	4/14/05	31.0	20.7	30.9	20.4	31	21	10
105	22PC-670.7-673.2-SC	4/15/05	28.2	17.8	28.1	17.5	28	18	10

Note: Blanks in liquid limit columns and plasticicy index indicate unmeasurable liquid limit.

Atterberg Limit Determinations

Core grab samples from NC-EWDP-22PC

Test ID	Sample Number	Test Date	Determination 1		Determination 2		Average Liquid Limit	Average Plastic Limit	Plasticity Index
			Liquid Limit	Plastic Limit	Liquid Limit	Plastic Limit			
106	22PC-673.9-675.3-SC	4/15/05	32.7	26.8	32.3	26.7	33	27	6
107	22PC-675.3-677.3-SC	4/15/05	31.8	19.1	31.8	18.9	32	19	13
108	22PC-678.1-679.4-SC	4/15/05	28.6	22.0	28.6	21.9	29	22	7
109	22PC-679.4-684.2-SC	4/15/05	29.3	23.9	29.3	23.9	29	24	5
110	22PC-684.2-686.9-SC	4/15/05	28.4	22.7	28.4	22.0	28	22	6
111	22PC-686.9-687.4-SC	4/15/05	27.8	17.8	27.7	17.5	28	18	10
112	22PC-688.1-689.3-SC	4/15/05	31.7	22.7	31.7	23.0	32	23	9
113	22PC-689.3-690.1-SC	4/19/05	32.1	20.2	32.1	20.5	32	20	12
114	22PC-690.3-691.9-SC	4/19/05	32.0	24.2	31.9	24.6	32	24	8
115	22PC-691.9-692.7-SC	4/19/05	32.3	26.8	31.9	26.4	32	27	5
116	22PC-692.7-696.1-SC	4/19/05	32.2	22.0	31.7	22.2	32	22	10
117	22PC-696.1-699.2-SC	4/19/05	32.0	19.5	32.2	19.6	32	20	12
118	22PC-699.2-699.8-SC	4/19/05	28.7	22.1	28.8	21.9	29	22	7
119	22PC-699.8-701.0-SC	4/19/05	32.6	21.2	32.6	20.9	33	21	12
120	22PC-701.0-703.4-SC	4/19/05	34.1	22.1	34.2	22.3	34	22	12
121	22PC-703.4-704.9-SC	4/20/05	29.0	19.6	28.9	19.8	29	20	9
122	22PC-706.1-707.0-SC	4/20/05	27.0	20.3	27.1	19.9	27	20	7
123	22PC-707.0-709.0-SC	4/20/05	27.0	20.1	26.9	20.7	27	20	7
124	22PC-709.0-712.1-SC	4/20/05	19.5	16.4	19.5	17.1	19	17	2
125	22PC-712.1-714.0-SC	4/20/05	30.1	22.4	30.0	22.3	30	22	8
126	22PC-714.0-715.6-SC	4/20/05	25.0	20.2	25.1	20.5	25	20	5
127	22PC-715.6-718.7-SC	4/20/05	26.5	20.6	26.1	20.0	26	20	6
128	22PC-719.0-719.5-SC	4/20/05	25.5	17.7	25.4	17.5	25	18	7
129	22PC-719.5-720.4-SC	4/21/05	31.7	20.7	31.5	21.0	32	21	11
130	22PC-720.4-720.9-SC	4/21/05	27.6	18.2	27.6	17.8	28	18	10
131	22PC-721.5-725.5-SC	4/21/05	27.3	19.2	27.3	19.0	27	19	8
132	22PC-725.5-726.0-SC	4/21/05	29.7	19.0	29.6	19.5	30	19	11
133	22PC-726.0-728.8-SC	4/21/05	29.2	19.1	29.2	18.9	29	19	10
134	22PC-729.9-731.5-SC	4/21/05	26.9	18.7	27.0	18.9	27	19	8
135	22PC-731.5-733.2-SC	4/21/05	33.6	21.7	33.4	21.5	34	22	12
136	22PC-734.8-736.4-SC	4/21/05	29.1	18.4	29.1	17.8	29	18	11
137	22PC-736.4-737.1-SC	4/22/05	31.5	22.2	31.6	21.7	32	22	10
138	22PC-737.1-739.6-SC	4/22/05	29.6	18.9	29.6	18.4	30	19	11
139	22PC-739.9-741.8-SC	4/22/05	29.9	20.6	29.8	20.7	30	21	9
140	22PC-741.8-743.1-SC	4/22/05	31.5	21.7	31.4	21.3	31	22	9

Note: Blanks in liquid limit columns and plasticicy index indicate unmeasurable liquid limit.

Atterberg Limit Determinations

Core grab samples from NC-EWDP-22PC

Test ID	Sample Number	Test Date	Determination 1		Determination 2		Average Liquid Limit	Average Plastic Limit	Plasticity Index
			Liquid Limit	Plastic Limit	Liquid Limit	Plastic Limit			
141	22PC-743.1-745.9-SC	4/22/05	31.6	18.7	31.5	19.1	32	19	13
142	22PC-747.0-747.4-SC	4/22/05	27.0	20.8	27.1	20.7	27	21	6
143	22PC-747.4-749.1-SC	4/22/05	30.2	26.4	30.2	25.7	30	26	4
144	22PC-749.1-752.9-SC	4/22/05	29.1	20.7	29.2	20.7	29	21	8
145	22PC-752.9-754.9-SC	4/26/05	28.0	20.6	28.1	20.6	28	21	7
146	22PC-754.9-755.5-SC	4/26/05	30.4	20.9	30.6	21.5	30	21	9
147	22PC-755.5-759.2-SC	4/26/05	27.7	18.8	27.8	18.9	28	19	9
148	22PC-759.2-759.5-SC	4/26/05	22.1	19.9	21.9	19.2	22	20	2
149	22PC-759.5-761.3-SC	4/26/05	22.4	20.3	22.4	21.0	22	21	1
150	22PC-761.3-762.4-SC	4/26/05	24.2	19.2	24.1	19.1	24	19	5
151	22PC-762.4-762.8-SC	4/26/05	31.7	19.3	31.5	18.8	32	19	13

Note: Blanks in liquid limit columns and plasticicy index indicate unmeasurable liquid limit.