

Atterberg Limit Determinations
Cuttings samples from NC-EWDP-24PB

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	24PB-2.50-5.00-D	4/19/06		22.7		23.2		23	
2	24PB-7.50-10.00-D	4/19/06		26.3		27.2		27	
3	24PB-12.50-15.00-D	4/19/06		25.8		25.3		26	
4	24PB-17.50-20.00-D	4/19/06		23.5		23.1		23	
5	24PB-22.50-25.00-D	4/19/06		28.0		26.3		27	
6	24PB-27.50-30.00-D	4/19/06		23.6		23.7		24	
6	24PB-32.50-35.00-D	4/19/06		23.6		23.1		23	
8	24PB-37.50-40.00-D	4/19/06		19.9		19.7		20	
9	24PB-42.50-45.00-D	4/20/06		24.7		23.5		24	
10	24PB-47.50-50.00-D	4/20/06		24.2		23.9		24	
11	24PB-52.50-55.00-D	4/20/06		23.5		22.5		23	
12	24PB-57.50-60.00-D	4/20/06		25.3		25.6		25	
13	24PB-62.50-65.00-D	4/20/06		25.8		25.9		26	
14	24PB-67.50-70.00-D	4/20/06		25.2		25.4		25	
15	24PB-72.50-75.00-D	4/20/06		24.9		24.4		25	
16	24PB-77.50-80.00-D	4/20/06		23.4		23.3		23	
17	24PB-82.50-85.00-D	4/21/06		29.4		28.0		29	
18	24PB-87.50-90.00-D	4/21/06		27.0		27.3		27	
19	24PB-92.50-95.00-D	4/21/06		26.8		27.0		27	
20	24PB-97.50-100.00-D	4/21/06		26.3		26.1		26	
21	24PB-102.50-105.00-D	4/21/06		27.1		27.8		27	
22	24PB-107.50-110.00-D	4/21/06		29.0		28.3		29	
23	24PB-112.50-115.00-D	4/21/06		27.8		28.1		28	
24	24PB-117.50-120.00-D	4/21/06		28.2		28.1		28	
25	24PB-122.50-125.00-D	4/24/06		33.3		33.5		33	
26	24PB-127.50-130.00-D	4/24/06		32.2		31.9		32	
27	24PB-132.50-135.00-D	4/24/06		29.8		30.1		30	
28	24PB-137.50-140.00-D	4/24/06		22.7		22.2		22	
29	24PB-142.50-145.00-D	4/24/06		24.6		25.0		25	
30	24PB-147.50-150.00-D	4/24/06		22.5		23.5		23	
31	24PB-152.50-155.00-D	4/24/06		27.4		27.3		27	
32	24PB-157.50-160.00-D	4/24/06		28.3		28.4		28	
33	24PB-162.50-165.00-D	4/25/06		27.6		27.2		27	
34	24PB-167.50-170.00-D	4/25/06		29.8		30.4		30	
35	24PB-172.50-175.00-D	4/25/06		30.3		29.1		30	

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

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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	24PB-177.50-180.00-D	4/25/06		24.0		23.9		24	
37	24PB-182.50-185.00-D	4/25/06		22.4		21.5		22	
38	24PB-187.50-190.00-D	4/25/06		21.6		21.6		22	
39	24PB-192.50-195.00-D	4/25/06		22.8		22.9		23	
40	24PB-197.50-200.00-D	4/25/06		25.6		26.1		26	
41	24PB-202.50-205.00-D	4/26/06		24.4		23.0		24	
42	24PB-207.50-210.00-D	4/26/06							
43	24PB-212.50-215.00-D	4/26/06	24.6	20.8	24.9	21.1	25	21	4
44	24PB-217.50-220.00-D	4/26/06		21.9		21.6		22	
45	24PB-222.50-225.00-D	4/26/06		22.8		23.2		23	
46	24PB-227.50-230.00-D	4/26/06		24.1		23.4		24	
47	24PB-232.50-235.00-D	4/26/06		21.9		23.6		23	
48	24PB-237.50-240.00-D	4/26/06		22.0		21.7		22	
49	24PB-242.50-245.00-D	4/27/06		23.0		23.6		23	
50	24PB-247.50-250.00-D	4/27/06	25.3	24.5	25.0	23.7	25	24	1
51	24PB-252.50-255.00-D	4/27/06	26.6	24.3	26.4	24.0	27	24	3
52	24PB-257.50-260.00-D	4/27/06		19.8		19.4		20	
53	24PB-262.50-265.00-D	4/27/06	25.5	24.2	25.2	22.3	25	23	2
54	24PB-267.50-270.00-D	4/27/06	24.5	21.2	23.9	20.7	24	21	3
55	24PB-272.50-275.00-D	4/27/06	32.5	19.5	32.1	20.4	32	20	12
56	24PB-277.50-280.00-D	4/27/06	28.7	20.4	28.3	20.5	29	20	9
57	24PB-282.50-285.00-D	4/28/06	28.5	22.2	28.4	22.1	28	22	6
58	24PB-287.50-290.00-D	4/28/06	27.9	22.5	27.7	22.4	28	22	6
59	24PB-292.50-295.00-D	4/28/06	25.1	21.9	24.8	21.4	25	22	3
60	24PB-297.50-300.00-D	4/28/06	24.8	23.9	24.3	23.9	25	24	1
61	24PB-302.50-305.00-D	4/28/06	27.1	26.4	26.9	26.3	27	26	1
62	24PB-307.50-310.00-D	4/28/06		26.8		27.2		27	
63	24PB-312.50-315.00-D	4/28/06		29.2		28.5		29	
64	24PB-317.50-320.00-D	4/28/06	29.3	18.8	29.1	18.2	29	18	11
65	24PB-322.50-325.00-D	5/2/06	25.9	23.9	25.7	23.7	26	24	2
66	24PB-327.50-330.00-D	5/2/06	25.5	22.4	25.4	22.3	25	22	3
67	24PB-332.50-335.00-D	5/2/06	24.0	19.9	23.9	20.3	24	20	4
68	24PB-337.50-340.00-D	5/2/06	23.2	22.8	23.0	22.6	23	23	0
69	24PB-342.50-345.00-D	5/2/06	23.1	21.5	22.9	21.4	23	21	2
70	24PB-347.50-350.00-D	5/2/06	23.4	22.4	23.4	21.8	23	22	1

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

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			Liquid Limit	Plastic Limit	Liquid Limit	Plastic Limit			
71	24PB-352.50-355.00-D	5/2/06	24.4	23.3	24.2	23.7	24	24	0
72	24PB-357.50-360.00-D	5/2/06	22.3	21.6	22.3	20.9	22	21	1
73	24PB-362.50-365.00-D	5/3/06	24.8	23.8	24.5	23.4	25	24	1
74	24PB-367.50-370.00-D	5/3/06	23.4	23.1	23.3	22.5	23	23	0
75	24PB-372.50-375.00-D	5/3/06	24.6	22.5	24.4	22.1	24	22	2
76	24PB-377.50-380.00-D	5/3/06	24.4	19.9	24.4	18.7	24	19	5
77	24PB-382.50-385.00-D	5/3/06	23.2	20.4	23.1	19.7	23	20	3
78	24PB-387.50-390.00-D	5/3/06	22.5	21.6	22.4	21.8	22	22	0
79	24PB-392.50-395.00-D	5/3/06	22.0	20.1	21.8	20.9	22	20	2
80	24PB-397.50-400.00-D	5/3/06	22.9	21.0	22.9	21.8	23	21	2
81	24PB-402.50-405.00-D	5/3/06	22.1	21.0	21.9	20.6	22	21	1

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

Electrical Conductivity
Cuttings samples from NC-EWDP-24PB

Test ID	Sample Number	Test Date	Container Weight (g)	Container Plus Moist Sample Weight (g)	Moist Sample Weight (g)	Moisture Correction Factor	Calculated Oven-Dried Sample Weight (g)	Water to be Added (g)	Electrical Conductivity (µmhos/cm)
1	24PB-2.50-5.00-D	3/9/06	200.9	305.5	104.6	0.975	101.9	99.3	1052
2	24PB-7.50-10.00-D	3/9/06	200.8	303.9	103.1	0.981	101.1	99.2	1015
3	24PB-12.50-15.00-D	3/9/06	200.6	305.3	104.7	0.984	103.1	101.5	420
4	24PB-17.50-20.00-D	3/9/06	200.8	307.1	106.3	0.986	104.8	103.2	257
5	24PB-22.50-25.00-D	3/9/06	200.9	306.1	105.2	0.969	101.9	98.6	243
6	24PB-27.50-30.00-D	3/9/06	200.8	302.4	101.6	0.985	100.1	98.6	153
7	24PB-32.50-35.00-D	3/9/06	199.1	307.5	108.4	0.983	106.6	104.8	166
8	24PB-37.50-40.00-D	3/9/06	199.1	304.2	105.1	0.991	104.1	103.1	182
9	24PB-42.50-45.00-D	3/9/06	199.8	306.9	107.1	0.993	106.3	105.6	142
10	24PB-47.50-50.00-D	3/9/06	200.9	302.4	101.5	0.984	99.9	98.3	146
11	24PB-52.50-55.00-D	3/9/06	201.0	304.9	103.9	0.994	103.3	102.7	101
12	24PB-57.50-60.00-D	3/9/06	200.8	307.6	106.8	0.991	105.9	104.9	161
13	24PB-62.50-65.00-D	3/9/06	200.9	304.2	103.3	0.994	102.7	102.1	122
14	24PB-67.50-70.00-D	3/9/06	200.7	305.6	104.9	0.995	104.4	103.8	95
15	24PB-72.50-75.00-D	3/9/06	198.9	306.5	107.6	0.993	106.9	106.2	130
16	24PB-77.50-80.00-D	3/9/06	200.8	304.1	103.3	0.988	102.0	100.8	123
17	24PB-82.50-85.00-D	3/9/06	198.8	306.3	107.5	0.988	106.2	105.0	85
18	24PB-87.50-90.00-D	3/9/06	200.8	305.8	105.0	0.992	104.1	103.3	74
19	24PB-92.50-95.00-D	3/9/06	200.8	307.3	106.5	0.992	105.6	104.8	125
20	24PB-97.50-100.00-D	3/9/06	201.0	304.5	103.5	0.994	102.9	102.3	148
21	24PB-102.50-105.00-D	3/9/06	200.8	305.2	104.4	0.992	103.6	102.8	115
22	24PB-107.50-110.00-D	3/9/06	200.9	303.9	103.0	0.987	101.6	100.3	109
23	24PB-112.50-115.00-D	3/9/06	200.8	305.5	104.7	0.986	103.2	101.7	102
24	24PB-117.50-120.00-D	3/9/06	201.0	304.5	103.5	0.983	101.7	99.9	138
25	24PB-122.50-125.00-D	3/13/06	200.5	306.5	106.0	0.978	103.7	101.3	77
26	24PB-127.50-130.00-D	3/13/06	199.6	304.4	104.8	0.985	103.2	101.6	82
27	24PB-132.50-135.00-D	3/13/06	199.7	307.6	107.9	0.979	105.7	103.4	79
28	24PB-137.50-140.00-D	3/13/06	200.6	304.3	103.7	0.984	102.1	100.5	94
29	24PB-142.50-145.00-D	3/13/06	199.2	305.6	106.4	0.985	104.8	103.2	116
30	24PB-147.50-150.00-D	3/13/06	200.3	303.6	103.3	0.977	101.0	98.6	143
31	24PB-152.50-155.00-D	3/13/06	199.5	302.7	103.2	0.978	100.9	98.6	150
32	24PB-157.50-160.00-D	3/13/06	200.2	304.1	103.9	0.972	101.0	98.0	146
33	24PB-162.50-165.00-D	3/13/06	200.6	305.2	104.6	0.970	101.5	98.4	138
34	24PB-167.50-170.00-D	3/13/06	199.2	303.8	104.6	0.973	101.7	98.9	164
35	24PB-172.50-175.00-D	3/13/06	200.6	307.1	106.5	0.968	103.1	99.7	156

Electrical Conductivity
Cuttings samples from NC-EWDP-24PB

Test ID	Sample Number	Test Date	Container Weight (g)	Container Plus Moist Sample Weight (g)	Moist Sample Weight (g)	Moisture Correction Factor	Calculated Oven-Dried Sample Weight (g)	Water to be Added (g)	Electrical Conductivity (µmhos/cm)
36	24PB-177.50-180.00-D	3/13/06	200.6	304.7	104.1	0.974	101.4	98.7	141
37	24PB-182.50-185.00-D	3/13/06	200.5	306.6	106.1	0.982	104.2	102.3	123
38	24PB-187.50-190.00-D	3/13/06	200.1	305.5	105.4	0.974	102.7	99.9	131
39	24PB-192.50-195.00-D	3/13/06	201.0	306.9	105.9	0.970	102.7	99.5	156
40	24PB-197.50-200.00-D	3/13/06	199.1	303.2	104.1	0.969	100.9	97.7	143
41	24PB-202.50-205.00-D	3/13/06	201.5	304.5	103.0	0.979	100.8	98.6	188
42	24PB-207.50-210.00-D	3/13/06	199.7	303.6	103.9	0.983	102.1	100.3	192
43	24PB-212.50-215.00-D	3/13/06	200.8	305.1	104.3	0.989	103.1	101.9	198
44	24PB-217.50-220.00-D	3/13/06	199.3	303.6	104.3	0.974	101.6	98.9	243
45	24PB-222.50-225.00-D	3/13/06	199.1	302.4	103.3	0.977	100.9	98.6	187
46	24PB-227.50-230.00-D	3/13/06	198.9	307.8	108.9	0.970	105.6	102.3	203
47	24PB-232.50-235.00-D	3/13/06	199.4	303.6	104.2	0.970	101.1	98.0	217
48	24PB-237.50-240.00-D	3/13/06	200.0	304.1	104.1	0.984	102.4	100.7	265
49	24PB-242.50-245.00-D	3/14/06	199.2	303.4	104.2	0.984	102.5	100.8	422
50	24PB-247.50-250.00-D	3/14/06	199.5	305.5	106.0	0.977	103.6	101.2	196
51	24PB-252.50-255.00-D	3/14/06	200.9	307.7	106.8	0.982	104.8	102.9	198
52	24PB-257.50-260.00-D	3/14/06	200.5	304.5	104.0	0.980	101.9	99.8	367
53	24PB-262.50-265.00-D	3/14/06	200.8	303.1	102.3	0.982	100.4	98.5	217
54	24PB-267.50-270.00-D	3/14/06	200.6	304.8	104.2	0.967	100.8	97.3	312
55	24PB-272.50-275.00-D	3/14/06	200.7	305.7	105.0	0.959	100.7	96.5	432
56	24PB-277.50-280.00-D	3/14/06	200.6	304.4	103.8	0.977	101.4	98.9	624
57	24PB-282.50-285.00-D	3/14/06	200.7	306.3	105.6	0.978	103.3	101.0	191
58	24PB-287.50-290.00-D	3/14/06	200.5	303.3	102.8	0.980	100.7	98.7	224
59	24PB-292.50-295.00-D	3/14/06	200.7	307.8	107.1	0.977	104.7	102.2	543
60	24PB-297.50-300.00-D	3/14/06	200.8	304.8	104.0	0.979	101.8	99.6	240
61	24PB-302.50-305.00-D	3/14/06	199.3	303.4	104.1	0.970	101.0	97.9	159
62	24PB-307.50-310.00-D	3/14/06	200.6	305.3	104.7	0.973	101.9	99.1	164
63	24PB-312.50-315.00-D	3/14/06	200.9	307.6	106.7	0.975	104.0	101.3	129
64	24PB-317.50-320.00-D	3/14/06	200.5	305.3	104.8	0.940	98.6	92.3	426
65	24PB-322.50-325.00-D	3/14/06	200.9	306.7	105.8	0.969	102.5	99.3	193
66	24PB-327.50-330.00-D	3/14/06	199.3	303.4	104.1	0.969	100.8	97.6	183
67	24PB-332.50-335.00-D	3/14/06	200.9	304.9	104.0	0.977	101.6	99.3	176
68	24PB-337.50-340.00-D	3/14/06	200.6	306.4	105.8	0.981	103.8	101.8	170
69	24PB-342.50-345.00-D	3/14/06	200.9	305.3	104.4	0.980	102.3	100.3	134
70	24PB-347.50-350.00-D	3/14/06	200.7	307.2	106.5	0.983	104.7	102.9	127

Electrical Conductivity
Cuttings samples from NC-EWDP-24PB

Test ID	Sample Number	Test Date	Container Weight (g)	Container Plus Moist Sample Weight (g)	Moist Sample Weight (g)	Moisture Correction Factor	Calculated Oven-Dried Sample Weight (g)	Water to be Added (g)	Electrical Conductivity (µmhos/cm)
71	24PB-352.50-355.00-D	3/14/06	199.6	306.4	106.8	0.987	105.4	104.1	135
72	24PB-357.50-360.00-D	3/14/06	200.6	303.8	103.2	0.986	101.7	100.2	324
73	24PB-362.50-365.00-D	3/15/06	199.6	307.5	107.9	0.989	106.7	105.5	139
74	24PB-367.50-370.00-D	3/15/06	201.1	305.2	104.1	0.986	102.7	101.3	142
75	24PB-372.50-375.00-D	3/15/06	200.8	304.7	103.9	0.988	102.6	101.4	165
76	24PB-377.50-380.00-D	3/15/06	200.8	306.8	106.0	0.986	104.5	102.9	295
77	24PB-382.50-385.00-D	3/15/06	200.6	304.3	103.7	0.986	102.3	100.9	162
78	24PB-387.50-390.00-D	3/15/06	200.7	307.8	107.1	0.984	105.4	103.7	134
79	24PB-392.50-395.00-D	3/15/06	199.8	305.7	105.9	0.979	103.7	101.5	132
80	24PB-397.50-400.00-D	3/15/06	201.1	304.8	103.7	0.977	101.3	98.9	398
81	24PB-402.50-405.00-D	3/15/06	200.8	307.4	106.6	0.956	101.9	97.3	174

Gravimetric Water Content Censoring Report

Test ID	Sample Number	Test Date	Gravimetric Water Content (g/g)	Censored	Reasons for Censoring
82	24PB-412.50-415.00-D	02/21/06	0.108	<input checked="" type="checkbox"/>	Special precautions to collect fines were not taken during sampling; samples are not considered representative.

Test ID	Sample Number	Test Date	Container Weight (g)	Container Weight Plus Moist Sample (g)	Container Weight Plus Oven-Dried Sample (g)	Water Weight (g)	Oven-Dried Solids Weight (g)	Gravimetric Water Content (g/g)
1	24PB-2.50-5.00-D	03/09/06	22.1	94.9	93.0	1.8	71.0	0.026
2	24PB-7.50-10.00-D	03/09/06	22.4	92.8	91.5	1.3	69.1	0.019
3	24PB-12.50-15.00-D	03/09/06	22.4	94.0	92.9	1.1	70.5	0.016
4	24PB-17.50-20.00-D	03/09/06	22.6	97.1	96.1	1.1	73.5	0.015
5	24PB-22.50-25.00-D	03/09/06	22.5	94.9	92.7	2.3	70.2	0.032
6	24PB-27.50-30.00-D	03/09/06	22.2	94.3	93.2	1.1	71.0	0.015
7	24PB-32.50-35.00-D	03/09/06	22.3	97.4	96.1	1.3	73.9	0.017
8	24PB-37.50-40.00-D	03/09/06	22.5	96.9	96.2	0.7	73.7	0.010
9	24PB-42.50-45.00-D	03/09/06	22.2	95.2	94.7	0.5	72.5	0.007
10	24PB-47.50-50.00-D	03/09/06	22.3	93.0	91.8	1.1	69.5	0.016
11	24PB-52.50-55.00-D	03/09/06	22.5	92.2	91.8	0.4	69.3	0.006
12	24PB-57.50-60.00-D	03/09/06	22.2	96.8	96.2	0.7	74.0	0.009
13	24PB-62.50-65.00-D	03/09/06	22.3	98.0	97.5	0.4	75.2	0.006
14	24PB-67.50-70.00-D	03/09/06	22.3	93.3	92.9	0.4	70.6	0.005
15	24PB-72.50-75.00-D	03/09/06	22.4	94.5	94.1	0.5	71.7	0.007
16	24PB-77.50-80.00-D	03/09/06	22.3	95.5	94.6	0.9	72.3	0.012
17	24PB-82.50-85.00-D	03/09/06	22.5	93.8	93.0	0.8	70.5	0.012
18	24PB-87.50-90.00-D	03/09/06	22.5	95.3	94.7	0.6	72.2	0.008
19	24PB-92.50-95.00-D	03/09/06	22.4	97.1	96.5	0.6	74.1	0.008
20	24PB-97.50-100.00-D	03/09/06	22.4	95.5	95.1	0.4	72.7	0.006
21	24PB-102.50-105.00-D	03/09/06	22.4	92.6	92.1	0.5	69.7	0.008
22	24PB-107.50-110.00-D	03/09/06	22.5	96.1	95.2	1.0	72.7	0.013
23	24PB-112.50-115.00-D	03/09/06	22.3	93.7	92.7	1.0	70.5	0.014
24	24PB-117.50-120.00-D	03/09/06	14.1	98.8	97.4	1.5	83.3	0.018
25	24PB-122.50-125.00-D	03/13/06	22.1	94.4	92.8	1.6	70.7	0.022
26	24PB-127.50-130.00-D	03/13/06	22.4	96.3	95.2	1.1	72.8	0.015
27	24PB-132.50-135.00-D	03/13/06	22.4	94.3	92.8	1.5	70.4	0.021
28	24PB-137.50-140.00-D	03/13/06	22.6	93.8	92.7	1.1	70.1	0.016
29	24PB-142.50-145.00-D	03/13/06	22.5	97.3	96.2	1.1	73.8	0.015
30	24PB-147.50-150.00-D	03/13/06	22.2	94.6	92.9	1.6	70.7	0.023
31	24PB-152.50-155.00-D	03/13/06	22.3	95.9	94.2	1.7	72.0	0.023
32	24PB-157.50-160.00-D	03/13/06	22.5	93.2	91.2	2.0	68.7	0.029
33	24PB-162.50-165.00-D	03/13/06	22.2	95.2	93.0	2.2	70.8	0.031
34	24PB-167.50-170.00-D	03/13/06	22.3	94.5	92.6	2.0	70.2	0.028
35	24PB-172.50-175.00-D	03/13/06	22.5	96.6	94.2	2.4	71.7	0.033

Test ID	Sample Number	Test Date	Container Weight (g)	Container Weight Plus Moist Sample (g)	Container Weight Plus Oven-Dried Sample (g)	Water Weight (g)	Oven-Dried Solids Weight (g)	Gravimetric Water Content (g/g)
36	24PB-177.50-180.00-D	03/13/06	22.2	96.0	94.1	1.9	71.9	0.026
37	24PB-182.50-185.00-D	03/13/06	22.3	96.3	95.0	1.3	72.7	0.018
38	24PB-187.50-190.00-D	03/13/06	22.3	94.4	92.5	1.9	70.3	0.027
39	24PB-192.50-195.00-D	03/13/06	22.4	98.8	96.5	2.3	74.1	0.031
40	24PB-197.50-200.00-D	03/13/06	22.3	93.1	90.9	2.2	68.6	0.032
41	24PB-202.50-205.00-D	03/13/06	22.5	96.6	95.1	1.6	72.6	0.022
42	24PB-207.50-210.00-D	03/13/06	22.5	93.6	92.3	1.2	69.8	0.018
43	24PB-212.50-215.00-D	03/13/06	22.4	92.4	91.7	0.8	69.3	0.011
44	24PB-217.50-220.00-D	03/13/06	22.4	96.8	94.9	1.9	72.5	0.027
45	24PB-222.50-225.00-D	03/13/06	22.4	93.5	91.8	1.6	69.4	0.023
46	24PB-227.50-230.00-D	03/13/06	22.5	96.5	94.3	2.3	71.8	0.031
47	24PB-232.50-235.00-D	03/13/06	22.3	94.1	91.9	2.1	69.7	0.031
48	24PB-237.50-240.00-D	03/13/06	14.1	97.4	96.0	1.3	82.0	0.016
49	24PB-242.50-245.00-D	03/14/06	22.1	93.5	92.3	1.2	70.3	0.017
50	24PB-247.50-250.00-D	03/14/06	22.4	97.7	96.0	1.7	73.6	0.023
51	24PB-252.50-255.00-D	03/14/06	22.4	94.6	93.3	1.3	70.9	0.019
52	24PB-257.50-260.00-D	03/14/06	22.6	96.4	94.9	1.5	72.3	0.021
53	24PB-262.50-265.00-D	03/14/06	22.5	95.7	94.4	1.3	71.9	0.019
54	24PB-267.50-270.00-D	03/14/06	22.2	93.3	90.9	2.3	68.7	0.034
55	24PB-272.50-275.00-D	03/14/06	22.3	94.3	91.4	2.9	69.1	0.042
56	24PB-277.50-280.00-D	03/14/06	22.5	93.9	92.3	1.7	69.7	0.024
57	24PB-282.50-285.00-D	03/14/06	22.2	94.4	92.8	1.6	70.6	0.022
58	24PB-287.50-290.00-D	03/14/06	22.3	95.7	94.3	1.5	71.9	0.021
59	24PB-292.50-295.00-D	03/14/06	22.5	96.4	94.7	1.7	72.2	0.023
60	24PB-297.50-300.00-D	03/14/06	22.2	97.1	95.5	1.6	73.3	0.022
61	24PB-302.50-305.00-D	03/14/06	22.3	97.0	94.7	2.2	72.4	0.031
62	24PB-307.50-310.00-D	03/14/06	22.3	95.1	93.1	1.9	70.9	0.027
63	24PB-312.50-315.00-D	03/14/06	22.4	94.8	93.0	1.8	70.6	0.026
64	24PB-317.50-320.00-D	03/14/06	22.3	94.2	89.9	4.3	67.6	0.063
65	24PB-322.50-325.00-D	03/14/06	22.5	95.3	93.0	2.2	70.5	0.032
66	24PB-327.50-330.00-D	03/14/06	22.5	93.9	91.6	2.2	69.1	0.032
67	24PB-332.50-335.00-D	03/14/06	22.4	96.0	94.3	1.7	71.9	0.023
68	24PB-337.50-340.00-D	03/14/06	22.4	96.6	95.2	1.4	72.9	0.019
69	24PB-342.50-345.00-D	03/14/06	22.4	95.0	93.5	1.4	71.1	0.020
70	24PB-347.50-350.00-D	03/14/06	22.5	93.5	92.3	1.2	69.8	0.017

Gravimetric Water Content
Cuttings samples from NC-EWDP-24PB

Test ID	Sample Number	Test Date	Container Weight (g)	Container Weight Plus Moist Sample (g)	Container Weight Plus Oven-Dried Sample (g)	Water Weight (g)	Oven-Dried Solids Weight (g)	Gravimetric Water Content (g/g)
71	24PB-352.50-355.00-D	03/14/06	22.3	95.4	94.4	0.9	72.2	0.013
72	24PB-357.50-360.00-D	03/14/06	14.1	94.5	93.4	1.2	79.3	0.015
73	24PB-362.50-365.00-D	03/15/06	22.1	93.8	93.0	0.8	70.9	0.011
74	24PB-367.50-370.00-D	03/15/06	22.4	96.8	95.8	1.0	73.4	0.014
75	24PB-372.50-375.00-D	03/15/06	22.4	93.0	92.2	0.9	69.8	0.012
76	24PB-377.50-380.00-D	03/15/06	22.6	94.7	93.7	1.0	71.1	0.015
77	24PB-382.50-385.00-D	03/15/06	22.5	96.1	95.1	1.0	72.6	0.014
78	24PB-387.50-390.00-D	03/15/06	22.2	94.8	93.6	1.2	71.4	0.016
79	24PB-392.50-395.00-D	03/15/06	22.3	96.3	94.7	1.5	72.5	0.021
80	24PB-397.50-400.00-D	03/15/06	22.5	95.8	94.1	1.7	71.6	0.024
81	24PB-402.50-405.00-D	03/15/06	22.2	97.2	93.9	3.3	71.8	0.046

Gravimetric Water Content
 Cuttings samples from NC-EWDP-24PB

Test ID	Sample Number	Test Date	Container Weight (g)	Container Weight Plus Moist Sample (g)	Container Weight Plus Oven-Dried Sample (g)	Water Weight (g)	Oven-Dried Solids Weight (g)	Gravimetric Water Content (g/g)
1	24PB-2.50-5.00-D	02/16/06	13.8	427.5	407.5	20.0	393.7	0.051
2	24PB-7.50-10.00-D	02/16/06	14.1	437.1	415.7	21.5	401.6	0.053
3	24PB-12.50-15.00-D	02/16/06	13.7	358.1	345.8	12.4	332.0	0.037
4	24PB-17.50-20.00-D	02/16/06	13.7	440.0	421.4	18.6	407.6	0.046
5	24PB-22.50-25.00-D	02/16/06	13.8	540.8	508.0	32.8	494.2	0.066
6	24PB-27.50-30.00-D	02/16/06	13.8	481.7	465.7	16.1	451.8	0.036
7	24PB-32.50-35.00-D	02/16/06	13.8	452.4	434.4	18.1	420.5	0.043
8	24PB-37.50-40.00-D	02/16/06	13.8	509.5	495.9	13.6	482.1	0.028
9	24PB-42.50-45.00-D	02/16/06	14.1	504.4	494.0	10.5	479.9	0.022
10	24PB-47.50-50.00-D	02/16/06	14.4	384.0	375.3	8.7	361.0	0.024
11	24PB-52.50-55.00-D	02/16/06	13.8	460.3	450.1	10.2	436.3	0.023
12	24PB-57.50-60.00-D	02/16/06	14.3	497.9	485.3	12.5	471.1	0.027
13	24PB-62.50-65.00-D	02/16/06	14.4	626.2	614.0	12.1	599.7	0.020
14	24PB-67.50-70.00-D	02/16/06	14.2	767.0	754.0	13.0	739.7	0.018
15	24PB-72.50-75.00-D	02/16/06	14.3	531.3	520.5	10.9	506.2	0.021
16	24PB-77.50-80.00-D	02/16/06	14.1	543.0	524.1	18.9	510.0	0.037
17	24PB-82.50-85.00-D	02/16/06	14.2	460.9	446.5	14.4	432.3	0.033
18	24PB-87.50-90.00-D	02/16/06	14.1	609.2	592.5	16.6	578.5	0.029
19	24PB-92.50-95.00-D	02/16/06	13.8	439.0	429.3	9.7	415.5	0.023
20	24PB-97.50-100.00-D	02/16/06	14.2	581.4	567.3	14.0	553.2	0.025
21	24PB-102.50-105.00-D	02/16/06	14.3	649.0	635.1	13.9	620.8	0.022
22	24PB-107.50-110.00-D	02/17/06	13.7	427.7	416.6	11.1	402.8	0.028
23	24PB-112.50-115.00-D	02/17/06	13.8	434.1	422.1	11.9	408.3	0.029
24	24PB-117.50-120.00-D	02/17/06	13.9	492.3	478.1	14.1	464.3	0.030
25	24PB-122.50-125.00-D	02/17/06	13.9	498.9	477.3	21.6	463.4	0.047
26	24PB-127.50-130.00-D	02/17/06	13.8	620.0	599.5	20.5	585.6	0.035
27	24PB-132.50-135.00-D	02/17/06	13.8	491.9	470.6	21.3	456.9	0.047
28	24PB-137.50-140.00-D	02/17/06	13.8	371.6	349.3	22.3	335.5	0.067
29	24PB-142.50-145.00-D	02/17/06	14.1	518.8	498.4	20.5	484.3	0.042
30	24PB-147.50-150.00-D	02/17/06	14.4	701.6	669.3	32.3	654.9	0.049
31	24PB-152.50-155.00-D	02/17/06	14.2	865.1	825.8	39.3	811.6	0.048
32	24PB-157.50-160.00-D	02/17/06	13.8	605.1	579.8	25.2	566.0	0.045
33	24PB-162.50-165.00-D	02/17/06	14.1	530.0	506.2	23.8	492.1	0.048
34	24PB-167.50-170.00-D	02/17/06	14.2	455.0	432.3	22.6	418.1	0.054
35	24PB-172.50-175.00-D	02/17/06	14.2	514.4	488.3	26.0	474.1	0.055

Gravimetric Water Content
 Cuttings samples from NC-EWDP-24PB

Test ID	Sample Number	Test Date	Container Weight (g)	Container Weight Plus Moist Sample (g)	Container Weight Plus Oven-Dried Sample (g)	Water Weight (g)	Oven-Dried Solids Weight (g)	Gravimetric Water Content (g/g)
36	24PB-177.50-180.00-D	02/17/06	14.3	482.0	454.4	27.5	440.2	0.063
37	24PB-182.50-185.00-D	02/17/06	14.2	688.9	664.7	24.2	650.5	0.037
38	24PB-187.50-190.00-D	02/17/06	14.3	637.7	608.4	29.3	594.1	0.049
39	24PB-192.50-195.00-D	02/17/06	14.3	608.7	574.5	34.2	560.2	0.061
40	24PB-197.50-200.00-D	02/17/06	13.8	510.0	475.7	34.3	461.9	0.074
41	24PB-202.50-205.00-D	02/17/06	14.4	691.9	656.2	35.8	641.8	0.056
42	24PB-207.50-210.00-D	02/17/06	14.1	467.9	436.6	31.4	422.5	0.074
43	24PB-212.50-215.00-D	02/20/06	14.0	710.6	667.8	42.8	653.8	0.065
44	24PB-217.50-220.00-D	02/20/06	14.3	600.3	566.8	33.6	552.4	0.061
45	24PB-222.50-225.00-D	02/20/06	13.8	402.5	374.5	27.9	360.7	0.077
46	24PB-227.50-230.00-D	02/20/06	14.2	408.0	383.7	24.3	369.4	0.066
47	24PB-232.50-235.00-D	02/20/06	14.3	588.4	554.5	33.8	540.2	0.063
48	24PB-237.50-240.00-D	02/20/06	14.2	648.5	614.8	33.7	600.6	0.056
49	24PB-242.50-245.00-D	02/20/06	14.3	421.7	390.8	31.0	376.5	0.082
50	24PB-247.50-250.00-D	02/20/06	14.2	452.2	429.7	22.5	415.5	0.054
51	24PB-252.50-255.00-D	02/20/06	14.3	602.4	580.7	21.7	566.4	0.038
52	24PB-257.50-260.00-D	02/20/06	14.1	450.5	427.4	23.1	413.3	0.056
53	24PB-262.50-265.00-D	02/20/06	13.8	491.3	473.5	17.8	459.7	0.039
54	24PB-267.50-270.00-D	02/20/06	14.2	423.7	396.6	27.1	382.4	0.071
55	24PB-272.50-275.00-D	02/20/06	14.4	427.9	386.5	41.4	372.2	0.111
56	24PB-277.50-280.00-D	02/20/06	14.1	364.1	325.1	39.0	311.1	0.125
57	24PB-282.50-285.00-D	02/20/06	13.8	594.9	565.4	29.5	551.6	0.053
58	24PB-287.50-290.00-D	02/20/06	13.7	532.7	506.7	26.0	492.9	0.053
59	24PB-292.50-295.00-D	02/20/06	13.8	416.5	385.6	30.8	371.9	0.083
60	24PB-297.50-300.00-D	02/20/06	13.8	520.5	491.4	29.1	477.6	0.061
61	24PB-302.50-305.00-D	02/20/06	13.8	595.6	567.0	28.5	553.2	0.052
62	24PB-307.50-310.00-D	02/20/06	13.8	561.2	537.2	24.0	523.3	0.046
63	24PB-312.50-315.00-D	02/20/06	13.7	566.9	543.8	23.1	530.0	0.044
64	24PB-317.50-320.00-D	02/21/06	13.7	516.2	470.7	45.4	457.0	0.099
65	24PB-322.50-325.00-D	02/21/06	13.8	550.7	525.6	25.1	511.8	0.049
66	24PB-327.50-330.00-D	02/21/06	13.8	468.9	444.6	24.3	430.8	0.056
67	24PB-332.50-335.00-D	02/21/06	13.8	610.8	585.4	25.4	571.6	0.044
68	24PB-337.50-340.00-D	02/21/06	13.7	521.6	501.8	19.9	488.0	0.041
69	24PB-342.50-345.00-D	02/21/06	13.8	543.1	519.4	23.7	505.7	0.047
70	24PB-347.50-350.00-D	02/21/06	14.8	533.8	512.7	21.1	497.9	0.042

Gravimetric Water Content
 Cuttings samples from NC-EWDP-24PB

Test ID	Sample Number	Test Date	Container Weight (g)	Container Weight Plus Moist Sample (g)	Container Weight Plus Oven-Dried Sample (g)	Water Weight (g)	Oven-Dried Solids Weight (g)	Gravimetric Water Content (g/g)
71	24PB-352.50-355.00-D	02/21/06	14.1	582.9	560.1	22.8	546.1	0.042
72	24PB-357.50-360.00-D	02/21/06	14.3	460.1	442.3	17.9	427.9	0.042
73	24PB-362.50-365.00-D	02/21/06	14.2	556.2	537.1	19.1	522.9	0.037
74	24PB-367.50-370.00-D	02/21/06	13.8	481.5	464.1	17.4	450.3	0.039
75	24PB-372.50-375.00-D	02/21/06	14.1	541.5	520.1	21.4	506.1	0.042
76	24PB-377.50-380.00-D	02/21/06	14.2	528.3	509.6	18.7	495.4	0.038
77	24PB-382.50-385.00-D	02/21/06	14.2	547.6	520.8	26.8	506.6	0.053
78	24PB-387.50-390.00-D	02/21/06	14.3	501.8	481.0	20.8	466.7	0.045
79	24PB-392.50-395.00-D	02/21/06	14.2	421.4	402.4	19.0	388.2	0.049
80	24PB-397.50-400.00-D	02/21/06	14.3	508.1	477.9	30.3	463.6	0.065
81	24PB-402.50-405.00-D	02/21/06	14.3	524.5	484.0	40.5	469.8	0.086
82	24PB-412.50-415.00-D	02/21/06	13.8	634.5	574.0	60.4	560.3	0.108

Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-24PB with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152h)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm ³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
24PB-2.50-5.00-D	3/22/06	66.9	0.973	112.62	109.56	163.76	2.586	2	11	14.5	4.60	6.40	21.0	1.01	0.01369	0.0369	3.9
								5	10	14.7		5.40				0.0235	3.3
								15	10	14.7		5.40				0.0136	3.3
								45	9	14.8		4.40				0.0079	2.7
								120	8	15.0		3.40				0.0048	2.1
24PB-7.50-10.00-D	3/22/06	63.9	0.978	114.66	112.10	175.33	2.560	2	17	13.5	4.60	12.40	21.0	1.02	0.01391	0.0361	7.2
								5	15	13.8		10.40				0.0231	6.1
								15	14	14.0		9.40				0.0134	5.5
								45	12	14.3		7.40				0.0078	4.3
								120	11	14.5		6.40				0.0048	3.7
24PB-12.50-15.00-D	3/22/06	59.4	0.981	113.76	111.62	187.85	2.586	2	13	14.2	4.60	8.40	21.0	1.01	0.01369	0.0365	4.5
								5	12	14.3		7.40				0.0232	4.0
								15	11	14.5		6.40				0.0135	3.4
								45	10	14.7		5.40				0.0078	2.9
								120	9	14.8		4.40				0.0048	2.4
24PB-17.50-20.00-D	3/22/06	51.1	0.982	114.17	112.15	219.42	2.577	2	14	14.0	4.60	9.40	21.0	1.01	0.01369	0.0362	4.3
								5	12	14.3		7.40				0.0232	3.4
								15	11	14.5		6.40				0.0135	2.9
								45	10	14.7		5.40				0.0078	2.5
								120	9	14.8		4.40				0.0048	2.0
24PB-22.50-25.00-D	3/22/06	66.2	0.962	115.57	111.17	168.03	2.568	2	17	13.5	4.60	12.40	21.0	1.02	0.01391	0.0361	7.5
								5	16	13.7		11.40				0.0230	6.9
								15	15	13.8		10.40				0.0133	6.3
								45	13	14.2		8.40				0.0078	5.1
								120	12	14.3		7.40				0.0048	4.5
24PB-27.50-30.00-D	3/22/06	58.1	0.983	114.58	112.67	193.88	2.564	2	14	14.0	4.60	9.40	21.0	1.02	0.01391	0.0368	4.9
								5	13	14.2		8.40				0.0234	4.4
								15	11	14.5		6.40				0.0137	3.4
								45	10	14.7		5.40				0.0080	2.8
								120	9	14.8		4.40				0.0049	2.3
24PB-32.50-35.00-D	3/23/06	59.5	0.980	112.11	109.87	184.54	2.586	2	16	13.7	4.60	11.40	21.0	1.01	0.01369	0.0358	6.2
								5	15	13.8		10.40				0.0227	5.7
								15	13	14.2		8.40				0.0133	4.6
								45	12	14.3		7.40				0.0077	4.1
								120	10	14.7		5.40				0.0048	3.0
24PB-37.50-40.00-D	3/23/06	62.2	0.989	113.72	112.51	180.90	2.585	2	14	14.0	4.60	9.40	21.0	1.01	0.01369	0.0362	5.2
								5	12	14.3		7.40				0.0232	4.1
								15	11	14.4		6.40				0.0134	3.6
								45	9	14.8		4.40				0.0079	2.5
								120	8	15.0		3.40				0.0048	1.9

Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-24PB with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152h)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm ³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
24PB-42.50-45.00-D	3/23/06	45.9	0.992	114.86	113.91	247.94	2.571	2	15	13.8	4.60	10.40	21.0	1.02	0.01391	0.0365	4.3
								5	13	14.2		8.40				0.0234	3.5
								15	11	14.5		6.40				0.0137	2.6
								45	9	14.8		4.40				0.0080	1.8
								120	8	15.0		3.40				0.0049	1.4
24PB-47.50-50.00-D	3/23/06	65.1	0.984	112.22	110.46	169.72	2.554	2	13	14.2	4.60	8.40	21.0	1.02	0.01391	0.0371	5.0
								5	11	14.5		6.40				0.0237	3.8
								15	10	14.7		5.40				0.0138	3.2
								45	9	14.8		4.40				0.0080	2.6
								120	8	15.0		3.40				0.0049	2.0
24PB-52.50-55.00-D	3/23/06	13.1	0.996	111.55	111.08	849.47	2.547	2	14	14.0	4.60	9.40	21.0	1.02	0.01391	0.0368	1.1
								5	12	14.3		7.40				0.0235	0.9
								15	10	14.7		5.40				0.0138	0.6
								45	8	15.0		3.40				0.0080	0.4
								120	7	15.2		2.40				0.0050	0.3
24PB-57.50-60.00-D	3/23/06	60.6	0.990	113.51	112.40	185.52	2.595	2	13	14.2	4.60	8.40	21.0	1.01	0.01369	0.0365	4.6
								5	12	14.3		7.40				0.0232	4.0
								15	10	14.7		5.40				0.0136	2.9
								45	9	14.8		4.40				0.0079	2.4
								120	8	15.0		3.40				0.0048	1.9
24PB-62.50-65.00-D	3/24/06	33.0	0.994	110.32	109.64	332.73	2.579	2	15	13.8	4.80	10.20	20.0	1.01	0.01386	0.0364	3.1
								5	12	14.3		7.20				0.0234	2.2
								15	9	14.8		4.20				0.0138	1.3
								45	8	15.0		3.20				0.0080	1.0
								120	7	15.2		2.20				0.0049	0.7
24PB-67.50-70.00-D	3/24/06	29.2	0.995	113.73	113.13	387.49	2.583	2	16	13.7	4.80	11.20	20.0	1.01	0.01386	0.0363	2.9
								5	13	14.2		8.20				0.0234	2.1
								15	9	14.8		4.20				0.0138	1.1
								45	8	15.0		3.20				0.0080	0.8
								120	7	15.2		2.20				0.0049	0.6
24PB-72.50-75.00-D	3/24/06	34.1	0.992	116.52	115.58	338.51	2.582	2	19	13.2	4.80	14.20	20.0	1.01	0.01386	0.0356	4.2
								5	15	13.8		10.20				0.0230	3.0
								15	12	14.3		7.20				0.0135	2.1
								45	10	14.7		5.20				0.0079	1.6
								120	9	14.8		4.20				0.0049	1.3
24PB-77.50-80.00-D	3/24/06	52.7	0.984	114.25	112.46	213.42	2.561	2	15	13.8	4.80	10.20	20.0	1.02	0.01408	0.0370	4.9
								5	13	14.2		8.20				0.0237	3.9
								15	11	14.5		6.20				0.0138	3.0
								45	10	14.7		5.20				0.0080	2.5
								120	9	14.8		4.20				0.0049	2.0

Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-24PB with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152h)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm ³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
24PB-82.50-85.00-D	3/24/06	46.3	0.986	112.97	111.41	240.54	2.562	2	14	14.0	4.80	9.20	20.0	1.02	0.01408	0.0373	3.9
								5	12	14.3		7.20				0.0238	3.1
								15	10	14.7		5.20				0.0139	2.2
								45	9	14.8		4.20				0.0081	1.8
								120	8	15.0		3.20				0.0050	1.4
24PB-87.50-90.00-D	3/24/06	28.8	0.990	113.42	112.23	389.23	2.547	2	16	13.7	4.80	11.20	20.0	1.02	0.01408	0.0369	2.9
								5	14	14.0		9.20				0.0236	2.4
								15	11	14.5		6.20				0.0138	1.6
								45	9	14.8		4.20				0.0081	1.1
								120	8	15.0		3.20				0.0050	0.8
24PB-92.50-95.00-D	3/27/06	34.1	0.990	114.92	113.80	333.82	2.589	2	16	13.7	4.60	11.40	21.0	1.01	0.01369	0.0358	3.4
								5	13	14.2		8.40				0.0231	2.5
								15	10	14.7		5.40				0.0136	1.6
								45	8	15.0		3.40				0.0079	1.0
								120	7	15.2		2.40				0.0049	0.7
24PB-97.50-100.00-D	3/27/06	40.8	0.993	113.52	112.71	276.15	2.568	2	20	13.0	4.60	15.40	21.0	1.02	0.01391	0.0355	5.7
								5	17	13.5		12.40				0.0229	4.6
								15	13	14.2		8.40				0.0135	3.1
								45	10	14.7		5.40				0.0080	2.0
								120	9	14.8		4.40				0.0049	1.6
24PB-102.50-105.00-D	3/27/06	27.1	0.991	111.21	110.20	407.04	2.609	2	16	13.7	4.60	11.40	21.0	1.01	0.01369	0.0358	2.8
								5	13	14.2		8.40				0.0231	2.1
								15	10	14.7		5.40				0.0136	1.3
								45	8	15.0		3.40				0.0079	0.8
								120	7	15.2		2.40				0.0049	0.6
24PB-107.50-110.00-D	3/27/06	44.0	0.983	112.82	110.95	251.90	2.606	2	19	13.2	4.60	14.40	21.0	1.01	0.01369	0.0352	5.8
								5	15	13.8		10.40				0.0227	4.2
								15	11	14.5		6.40				0.0135	2.6
								45	9	14.8		4.40				0.0079	1.8
								120	8	15.0		3.40				0.0048	1.4
24PB-112.50-115.00-D	3/27/06	42.7	0.983	115.09	113.10	264.68	2.598	2	18	13.3	4.60	13.40	21.0	1.01	0.01369	0.0353	5.1
								5	14	14.0		9.40				0.0229	3.6
								15	11	14.5		6.40				0.0135	2.4
								45	8	15.0		3.40				0.0079	1.3
								120	7	15.2		2.40				0.0049	0.9
24PB-117.50-120.00-D	3/27/06	47.2	0.979	114.15	111.74	236.61	2.581	2	18	13.3	4.60	13.40	21.0	1.01	0.01369	0.0353	5.7
								5	15	13.8		10.40				0.0227	4.4
								15	12	14.3		7.40				0.0134	3.2
								45	9	14.8		4.40				0.0079	1.9
								120	8	15.0		3.40				0.0048	1.5

Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-24PB with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152h)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm ³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
24PB-122.50-125.00-D	3/28/06	52.1	0.972	112.13	109.04	209.08	2.579	2	19	13.2	4.60	14.40	21.0	1.01	0.01369	0.0352	7.0
								5	16	13.7		11.40				0.0227	5.5
								15	12	14.3		7.40				0.0134	3.6
								45	10	14.7		5.40				0.0078	2.6
								120	9	14.8		4.40				0.0048	2.1
24PB-127.50-130.00-D	3/28/06	36.4	0.979	113.14	110.72	304.43	2.537	2	16	13.7	4.60	11.40	21.0	1.02	0.01391	0.0364	3.8
								5	13	14.2		8.40				0.0234	2.8
								15	10	14.7		5.40				0.0138	1.8
								45	9	14.8		4.40				0.0080	1.5
								120	7	15.2		2.40				0.0050	0.8
24PB-132.50-135.00-D	3/28/06	50.3	0.972	115.53	112.29	223.39	2.564	2	17	13.5	4.60	12.40	21.0	1.02	0.01391	0.0361	5.7
								5	15	13.8		10.40				0.0231	4.7
								15	12	14.3		7.40				0.0136	3.4
								45	10	14.7		5.40				0.0080	2.5
								120	9	14.8		4.40				0.0049	2.0
24PB-137.50-140.00-D	3/28/06	21.8	0.975	114.73	111.90	514.31	2.582	2	13	14.2	4.60	8.40	21.0	1.01	0.01369	0.0365	1.6
								5	11	14.5		6.40				0.0233	1.3
								15	9	14.8		4.40				0.0136	0.9
								45	8	15.0		3.40				0.0079	0.7
								120	8	15.0		3.40				0.0048	0.7
24PB-142.50-145.00-D	3/28/06	25.9	0.984	110.28	108.50	418.96	2.573	2	13	14.2	4.60	8.40	21.0	1.02	0.01391	0.0371	2.0
								5	11	14.5		6.40				0.0237	1.6
								15	10	14.7		5.40				0.0138	1.3
								45	9	14.8		4.40				0.0080	1.1
								120	9	14.8		4.40				0.0049	1.1
24PB-147.50-150.00-D	3/28/06	38.3	0.972	108.46	105.46	275.52	2.653	2	17	13.5	4.60	12.40	21.0	1.00	0.01348	0.0350	4.5
								5	15	13.8		10.40				0.0224	3.8
								15	13	14.2		8.40				0.0131	3.0
								45	11	14.5		6.40				0.0077	2.3
								120	10	14.7		5.40				0.0047	2.0
24PB-152.50-155.00-D	3/29/06	37.5	0.974	116.68	113.64	303.18	2.576	2	17	13.5	4.60	12.40	21.0	1.01	0.01369	0.0356	4.1
								5	15	13.8		10.40				0.0227	3.5
								15	13	14.2		8.40				0.0133	2.8
								45	11	14.5		6.40				0.0078	2.1
								120	10	14.7		5.40				0.0048	1.8
24PB-157.50-160.00-D	3/29/06	46.1	0.968	114.74	111.02	240.79	2.565	2	17	13.5	4.60	12.40	21.0	1.02	0.01391	0.0361	5.3
								5	15	13.8		10.40				0.0231	4.4
								15	12	14.3		7.40				0.0136	3.1
								45	10	14.7		5.40				0.0080	2.3
								120	9	14.8		4.40				0.0049	1.9

Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-24PB with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152h)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm ³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
24PB-162.50-165.00-D	3/29/06	48.0	0.966	116.11	112.20	233.67	2.569	2	18	13.3	4.60	13.40	21.0	1.02	0.01391	0.0359	5.8
								5	15	13.8		10.40				0.0231	4.5
								15	13	14.2		8.40				0.0135	3.7
								45	11	14.5		6.40				0.0079	2.8
								120	10	14.7		5.40				0.0049	2.4
24PB-167.50-170.00-D	3/29/06	42.4	0.962	110.93	106.66	251.27	2.579	2	17	13.5	4.80	12.20	20.0	1.01	0.01386	0.0360	4.9
								5	15	13.8		10.20				0.0230	4.1
								15	12	14.3		7.20				0.0135	2.9
								45	11	14.5		6.20				0.0079	2.5
								120	10	14.7		5.20				0.0049	2.1
24PB-172.50-175.00-D	3/29/06	47.3	0.961	113.96	109.53	231.68	2.574	2	20	13.0	4.80	15.20	20.0	1.02	0.01408	0.0359	6.7
								5	18	13.3		13.20				0.0230	5.8
								15	15	13.8		10.20				0.0135	4.5
								45	12	14.3		7.20				0.0079	3.2
								120	11	14.5		6.20				0.0049	2.7
24PB-177.50-180.00-D	3/29/06	24.9	0.974	113.66	110.72	445.37	2.546	2	16	13.7	4.80	11.20	20.0	1.02	0.01408	0.0369	2.6
								5	14	14.0		9.20				0.0236	2.1
								15	12	14.3		7.20				0.0137	1.6
								45	11	14.5		6.20				0.0080	1.4
								120	10	14.7		5.20				0.0049	1.2
24PB-182.50-185.00-D	3/31/06	38.3	0.978	116.24	113.66	296.82	2.586	2	15	13.8	4.80	10.20	20.0	1.01	0.01386	0.0364	3.5
								5	13	14.2		8.20				0.0234	2.8
								15	11	14.5		6.20				0.0136	2.1
								45	10	14.7		5.20				0.0079	1.8
								120	9	14.8		4.20				0.0049	1.4
24PB-187.50-190.00-D	3/31/06	41.6	0.971	115.78	112.39	270.22	2.586	2	17	13.5	4.80	12.20	20.0	1.01	0.01386	0.0360	4.6
								5	15	13.8		10.20				0.0230	3.8
								15	13	14.2		8.20				0.0135	3.1
								45	12	14.3		7.20				0.0078	2.7
								120	11	14.5		6.20				0.0048	2.3
24PB-192.50-195.00-D	3/31/06	38.1	0.963	114.17	109.98	288.90	2.583	2	14	14.0	4.80	9.20	20.0	1.01	0.01386	0.0367	3.2
								5	13	14.2		8.20				0.0234	2.9
								15	12	14.3		7.20				0.0135	2.5
								45	10	14.7		5.20				0.0079	1.8
								120	9	14.8		4.20				0.0049	1.5
24PB-197.50-200.00-D	3/31/06	11.3	0.980	116.26	113.95	1012.30	2.589	2	16	13.7	4.80	11.20	20.0	1.01	0.01386	0.0363	1.1
								5	14	14.0		9.20				0.0232	0.9
								15	12	14.3		7.20				0.0135	0.7
								45	10	14.7		5.20				0.0079	0.5
								120	9	14.8		4.20				0.0049	0.4

Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-24PB with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152h)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm ³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
24PB-202.50-205.00-D	3/31/06	45.0	0.962	112.38	108.08	239.91	2.576	2	18	13.3	4.80	13.20	20.0	1.01	0.01386	0.0357	5.6
								5	15	13.8		10.20				0.0230	4.3
								15	13	14.2		8.20				0.0135	3.5
								45	11	14.5		6.20				0.0079	2.6
								120	10	14.7		5.20				0.0049	2.2
24PB-207.50-210.00-D	3/31/06	28.8	0.976	103.41	100.98	351.06	2.619	2	14	14.0	4.80	9.20	20.0	1.01	0.01386	0.0367	2.6
								5	12	14.3		7.20				0.0234	2.1
								15	11	14.5		6.20				0.0136	1.8
								45	10	14.7		5.20				0.0079	1.5
								120	9	14.8		4.20				0.0049	1.2
24PB-212.50-215.00-D	4/4/06	5.8	0.987	0.00	0.00	0.00	2.624	2	0	0.0	0.00	0.00	0.0	0.00	0.00000	0.0000	#Error
								5	0	0.0		0.00				0.0000	#Error
								15	0	0.0		0.00				0.0000	#Error
								45	0	0.0		0.00				0.0000	#Error
								120	0	0.0		0.00				0.0000	#Error
24PB-217.50-220.00-D	4/4/06	49.1	0.972	114.49	111.31	226.86	2.581	2	15	13.8	4.60	10.53	21.0	1.01	0.01369	0.0360	4.7
								5	13	14.2		8.40				0.0231	3.7
								15	11	14.5		6.40				0.0135	2.8
								45	10	14.7		5.40				0.0078	2.4
								120	9	14.8		4.40				0.0048	2.0
24PB-222.50-225.00-D	4/4/06	88.2	0.978	115.47	112.91	128.07	2.576	2	12	14.3	4.60	7.40	21.0	1.01	0.01369	0.0366	5.8
								5	10	14.7		5.40				0.0235	4.3
								15	9	14.8		4.40				0.0136	3.5
								45	9	14.8		4.40				0.0079	3.5
								120	8	15.0		3.40				0.0048	2.7
24PB-227.50-230.00-D	4/4/06	65.7	0.969	112.28	108.83	165.75	2.574	2	13	14.2	4.60	8.51	21.0	1.02	0.01391	0.0371	5.2
								5	11	14.5		6.40				0.0237	3.9
								15	10	14.7		5.40				0.0138	3.3
								45	9	14.8		4.40				0.0080	2.7
								120	8	15.0		3.40				0.0049	2.1
24PB-232.50-235.00-D	4/4/06	72.1	0.967	113.56	109.84	152.39	2.601	2	14	14.0	4.60	9.40	21.0	1.01	0.01369	0.0362	6.2
								5	12	14.3		7.40				0.0232	4.9
								15	10	14.7		5.40				0.0136	3.6
								45	9	14.8		4.40				0.0079	2.9
								120	8	15.0		3.40				0.0048	2.3
24PB-237.50-240.00-D	4/4/06	46.4	0.979	115.39	112.93	243.43	2.597	2	18	13.3	4.60	13.40	21.0	1.01	0.01369	0.0353	5.6
								5	15	13.8		10.40				0.0227	4.3
								15	13	14.2		8.40				0.0133	3.5
								45	11	14.5		6.40				0.0078	2.7
								120	9	14.8		4.40				0.0048	1.8

Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-24PB with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152h)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm ³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
24PB-242.50-245.00-D	4/5/06	45.6	0.986	113.74	112.12	245.63	2.579	2	21	12.9	4.40	16.60	22.0	1.01	0.01353	0.0344	6.8
								5	18	13.3		13.60				0.0221	5.6
								15	16	13.7		11.60				0.0129	4.8
								45	14	14.0		9.60				0.0075	3.9
								120	12	14.3		7.60				0.0047	3.1
24PB-247.50-250.00-D	4/5/06	52.8	0.970	114.92	111.53	211.14	2.583	2	21	12.9	4.40	16.60	22.0	1.01	0.01353	0.0344	7.9
								5	18	13.3		13.60				0.0221	6.5
								15	16	13.7		11.60				0.0129	5.5
								45	13	14.2		8.60				0.0076	4.1
								120	12	14.3		7.60				0.0047	3.6
24PB-252.50-255.00-D	4/5/06	47.1	0.978	116.94	114.39	242.66	2.629	2	23	12.5	4.40	18.60	22.0	1.00	0.01332	0.0333	7.7
								5	20	13.0		15.60				0.0215	6.4
								15	16	13.7		11.60				0.0127	4.8
								45	13	14.2		8.60				0.0075	3.5
								120	11	14.5		6.60				0.0046	2.7
24PB-257.50-260.00-D	4/5/06	74.0	0.978	113.93	111.39	150.50	2.617	2	19	13.2	4.40	14.60	22.0	1.01	0.01353	0.0348	9.8
								5	17	13.5		12.60				0.0222	8.5
								15	15	13.8		10.60				0.0130	7.1
								45	12	14.3		7.60				0.0076	5.1
								120	9	14.8		4.60				0.0048	3.1
24PB-262.50-265.00-D	4/5/06	51.5	0.975	114.17	111.26	215.96	2.604	2	25	12.2	4.40	20.60	22.0	1.01	0.01353	0.0334	9.6
								5	21	12.9		16.60				0.0217	7.8
								15	17	13.5		12.60				0.0128	5.9
								45	15	13.8		10.60				0.0075	5.0
								120	13	14.2		8.60				0.0047	4.0
24PB-267.50-270.00-D	4/5/06	89.1	0.968	115.75	112.04	125.68	2.613	2	23	12.5	4.40	18.60	22.0	1.01	0.01353	0.0338	14.9
								5	21	12.9		16.60				0.0217	13.3
								15	19	13.2		14.60				0.0127	11.7
								45	17	13.5		12.60				0.0074	10.1
								120	15	13.8		10.60				0.0046	8.5
24PB-272.50-275.00-D	4/6/06	80.9	0.959	112.52	107.85	133.25	2.626	2	32	11.1	4.60	27.40	21.0	1.00	0.01348	0.0318	20.6
								5	30	11.4		25.40				0.0204	19.1
								15	27	11.9		22.40				0.0120	16.8
								45	24	12.4		19.40				0.0071	14.6
								120	22	12.7		17.40				0.0044	13.1
24PB-277.50-280.00-D	4/6/06	64.0	0.972	110.27	107.23	167.48	2.572	2	30	11.4	4.60	25.40	21.0	1.02	0.01391	0.0332	15.5
								5	27	11.9		22.40				0.0215	13.6
								15	24	12.4		19.40				0.0126	11.8
								45	20	13.0		15.40				0.0075	9.4
								120	18	13.3		13.40				0.0046	8.2

Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-24PB with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152h)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm ³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
24PB-282.50-285.00-D	4/6/06	52.5	0.970	112.68	109.34	208.22	2.600	2	24	12.4	4.60	19.40	21.0	1.01	0.01369	0.0341	9.4
								5	21	12.9		16.40				0.0220	8.0
								15	18	13.3		13.40				0.0129	6.5
								45	15	13.8		10.40				0.0076	5.0
								120	13	14.2		8.40				0.0047	4.1
24PB-287.50-290.00-D	4/6/06	53.3	0.975	114.82	111.99	210.23	2.587	2	24	12.4	4.60	19.40	21.0	1.01	0.01369	0.0341	9.3
								5	21	12.9		16.40				0.0220	7.9
								15	18	13.3		13.40				0.0129	6.4
								45	15	13.8		10.40				0.0076	5.0
								120	13	14.2		8.40				0.0047	4.0
24PB-292.50-295.00-D	4/6/06	55.3	0.971	115.28	111.89	202.23	2.582	2	26	12.0	4.60	21.40	21.0	1.01	0.01369	0.0335	10.7
								5	23	12.5		18.40				0.0216	9.2
								15	20	13.0		15.40				0.0127	7.7
								45	18	13.3		13.40				0.0074	6.7
								120	15	13.8		10.40				0.0046	5.2
24PB-297.50-300.00-D	4/6/06	58.0	0.976	114.42	111.70	192.72	2.554	2	22	12.7	4.60	17.40	21.0	1.02	0.01391	0.0351	9.2
								5	19	13.2		14.40				0.0226	7.6
								15	17	13.5		12.40				0.0132	6.6
								45	14	14.0		9.40				0.0078	5.0
								120	12	14.3		7.40				0.0048	3.9
24PB-302.50-305.00-D	4/7/06	62.5	0.967	115.29	111.46	178.42	2.575	2	20	13.0	4.60	15.40	21.0	1.02	0.01391	0.0355	8.8
								5	18	13.3		13.40				0.0227	7.7
								15	15	13.8		10.40				0.0133	5.9
								45	12	14.3		7.40				0.0078	4.2
								120	11	14.5		6.40				0.0048	3.7
24PB-307.50-310.00-D	4/7/06	57.8	0.971	116.33	112.95	195.56	2.546	2	21	12.9	4.60	16.40	21.0	1.02	0.01391	0.0353	8.6
								5	18	13.3		13.40				0.0227	7.0
								15	15	13.8		10.40				0.0133	5.4
								45	12	14.3		7.40				0.0078	3.9
								120	10	14.7		5.40				0.0049	2.8
24PB-312.50-315.00-D	4/7/06	52.3	0.973	114.09	110.97	211.99	2.534	2	17	13.5	4.60	12.40	21.0	1.02	0.01391	0.0361	6.0
								5	14	14.0		9.40				0.0233	4.5
								15	12	14.3		7.40				0.0136	3.6
								45	10	14.7		5.40				0.0080	2.6
								120	9	14.8		4.40				0.0049	2.1
24PB-317.50-320.00-D	4/7/06	79.1	0.935	113.22	105.90	133.94	2.610	2	41	9.6	4.60	36.40	21.0	1.01	0.01369	0.0300	27.4
								5	37	10.2		32.40				0.0196	24.4
								15	33	10.9		28.40				0.0117	21.4
								45	30	11.4		25.40				0.0069	19.2
								120	26	12.0		21.40				0.0043	16.1

Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-24PB with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152h)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm ³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
24PB-322.50-325.00-D	4/7/06	55.3	0.962	115.39	111.02	200.75	2.587	2	28	11.7	4.60	23.40	21.0	1.01	0.01369	0.0331	11.8
								5	23	12.5		18.40				0.0216	9.3
								15	20	13.0		15.40				0.0127	7.7
								45	18	13.3		13.40				0.0074	6.7
								120	15	13.8		10.40				0.0046	5.2
24PB-327.50-330.00-D	4/7/06	62.8	0.962	114.18	109.87	175.02	2.592	2	31	11.2	4.60	26.40	21.0	1.01	0.01369	0.0324	15.2
								5	28	11.7		23.40				0.0209	13.5
								15	24	12.4		19.40				0.0124	11.2
								45	21	12.9		16.40				0.0073	9.5
								120	18	13.3		13.40				0.0046	7.7
24PB-332.50-335.00-D	4/10/06	53.5	0.971	112.77	109.49	204.48	2.600	2	31	11.2	4.60	26.40	21.0	1.01	0.01369	0.0324	13.0
								5	27	11.9		22.40				0.0211	11.1
								15	24	12.4		19.40				0.0124	9.6
								45	20	13.0		15.40				0.0074	7.6
								120	18	13.3		13.40				0.0046	6.6
24PB-337.50-340.00-D	4/10/06	57.8	0.978	113.49	111.05	192.03	2.570	2	24	12.4	4.60	19.40	21.0	1.02	0.01391	0.0346	10.3
								5	20	13.0		15.40				0.0224	8.2
								15	17	13.5		12.40				0.0132	6.6
								45	15	13.8		10.40				0.0077	5.5
								120	13	14.2		8.40				0.0048	4.5
24PB-342.50-345.00-D	4/10/06	59.7	0.977	115.37	112.67	188.59	2.565	2	29	11.5	4.60	24.40	21.0	1.02	0.01391	0.0334	13.2
								5	25	12.2		20.40				0.0217	11.0
								15	21	12.9		16.40				0.0129	8.9
								45	17	13.5		12.40				0.0076	6.7
								120	15	13.3		10.40				0.0046	5.6
24PB-347.50-350.00-D	4/10/06	58.2	0.980	116.24	113.89	195.85	2.581	2	27	11.9	4.60	22.40	21.0	1.01	0.01369	0.0334	11.6
								5	22	12.7		17.40				0.0218	9.0
								15	19	13.2		14.40				0.0128	7.4
								45	15	13.8		10.40				0.0076	5.4
								120	13	14.2		8.40				0.0047	4.3
24PB-352.50-355.00-D	4/10/06	59.0	0.985	113.39	111.64	189.37	2.575	2	26	12.0	4.60	21.40	21.0	1.02	0.01391	0.0341	11.5
								5	21	12.9		16.40				0.0223	8.8
								15	18	13.3		13.40				0.0131	7.2
								45	15	13.8		10.40				0.0077	5.6
								120	13	14.2		8.40				0.0048	4.5
24PB-357.50-360.00-D	4/10/06	49.4	0.984	116.83	114.95	232.86	2.566	2	24	12.4	4.60	19.40	21.0	1.02	0.01391	0.0346	8.5
								5	21	12.9		16.40				0.0223	7.2
								15	17	13.5		12.40				0.0132	5.4
								45	15	13.8		10.40				0.0077	4.6
								120	13	14.2		8.40				0.0048	3.7

Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-24PB with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152h)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm ³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
24PB-362.50-365.00-D	4/11/06	54.8	0.986	115.35	113.77	207.71	2.576	2	27	11.9	4.80	22.20	20.0	1.01	0.01386	0.0338	10.8
								5	23	12.5		18.20				0.0219	8.8
								15	18	13.3		13.20				0.0131	6.4
								45	14	14.0		9.20				0.0077	4.5
								120	12	14.3		7.20				0.0048	3.5
24PB-367.50-370.00-D	4/11/06	55.0	0.984	113.19	111.36	202.58	2.567	2	29	11.5	4.80	24.20	20.0	1.02	0.01408	0.0338	12.2
								5	24	12.4		19.20				0.0222	9.7
								15	19	13.2		14.20				0.0132	7.1
								45	16	13.7		11.20				0.0078	5.6
								120	14	14.0		9.20				0.0048	4.6
24PB-372.50-375.00-D	4/11/06	56.9	0.984	116.22	114.33	200.88	2.574	2	31	11.2	4.80	26.20	20.0	1.02	0.01408	0.0333	13.3
								5	27	11.9		22.20				0.0217	11.3
								15	21	12.9		16.20				0.0131	8.2
								45	18	13.3		13.20				0.0077	6.7
								120	16	13.7		11.20				0.0048	5.7
24PB-377.50-380.00-D	4/11/06	62.4	0.983	115.89	113.98	182.60	2.559	2	27	11.9	4.80	22.20	20.0	1.02	0.01408	0.0343	12.4
								5	22	12.7		17.20				0.0224	9.6
								15	18	13.3		13.20				0.0133	7.4
								45	14	14.0		9.20				0.0079	5.1
								120	12	14.3		7.20				0.0049	4.0
24PB-382.50-385.00-D	4/11/06	69.1	0.984	117.55	115.69	167.47	2.564	2	33	10.9	4.80	28.20	20.0	1.02	0.01408	0.0329	17.2
								5	28	11.7		23.20				0.0215	14.1
								15	23	12.5		18.20				0.0129	11.1
								45	19	13.2		14.20				0.0076	8.6
								120	16	13.7		11.20				0.0048	6.8
24PB-387.50-390.00-D	4/11/06	65.1	0.982	116.84	114.69	176.22	2.579	2	29	11.5	4.80	24.20	20.0	1.01	0.01386	0.0332	13.9
								5	25	12.2		20.20				0.0217	11.6
								15	20	13.0		15.20				0.0129	8.7
								45	17	13.5		12.20				0.0076	7.0
								120	15	13.8		10.20				0.0047	5.8
24PB-392.50-395.00-D	4/12/06	63.2	0.977	116.47	113.74	180.05	2.589	2	29	11.5	4.80	24.20	20.0	1.01	0.01386	0.0332	13.6
								5	26	12.0		21.20				0.0215	11.9
								15	22	12.7		17.20				0.0128	9.6
								45	17	13.5		12.20				0.0076	6.8
								120	15	13.8		10.20				0.0047	5.7
24PB-397.50-400.00-D	4/12/06	56.2	0.976	115.89	113.06	201.15	2.586	2	26	12.0	4.80	21.20	20.0	1.01	0.01386	0.0339	10.6
								5	23	12.5		18.20				0.0219	9.1
								15	20	13.0		15.20				0.0129	7.6
								45	17	13.5		12.20				0.0076	6.1
								120	15	13.8		10.20				0.0047	5.1

Hydrometer Particle Size Analysis

Cuttings samples from NC-EWDP-24PB with specific gravity passing No. 10 sieve
(Hydrometer number 57878, type 152h)

Sample Number	Test Date	Percent Passing No. 10 Sieve	HWC No. 10 Moisture Correction Factor	Sample Weight (g)	Oven-Dried Sample Weight (g)	Total Oven-Dried Sample Weight (g)	Specific Gravity (g/cm ³)	Elapsed Time (min)	Hydrometer Reading	ASTM Depth	Composite Correction	Corrected Reading	Temperature (°C)	ASTM Alpha Correction	ASTM K Value	Largest Particle Passing (mm)	Percent Passing
24PB-402.50-405.00-D	4/12/06	57.3	0.953	114.55	109.17	190.63	2.576	2	21	12.9	4.80	16.20	20.0	1.01	0.01386	0.0352	8.6
								5	19	13.2		14.20				0.0225	7.5
								15	17	13.5		12.20				0.0131	6.5
								45	15	13.8		10.20				0.0077	5.4
								120	13	14.2		8.20				0.0048	4.3

Wet Sieve Particle Size Analysis

Cuttings samples from NC-EWDP-24PB

Sample Number	Test Start Date	Sample Weight (g)	Hygroscopic Moisture Correction Factor (g/g)	Oven Dried Sample Weight (g)	Percent of Sample Passing								
					3-inch Sieve	1½-inch Sieve	¾-inch Sieve	3/8-inch Sieve	No. 4 Sieve	No. 10 Sieve	No. 40 Sieve	No. 100 Sieve	No. 200 Sieve
24PB-2.50-5.00-D	2/23/06	726.5	0.974	707.8	100.0	100.0	100.0	97.2	83.7	66.9	35.6	7.4	3.4
24PB-7.50-10.00-D	2/23/06	492.9	0.980	483.0	100.0	100.0	100.0	92.2	77.2	63.9	41.3	13.7	7.5
24PB-12.50-15.00-D	2/23/06	464.6	0.984	457.2	100.0	100.0	100.0	86.8	70.7	59.4	36.8	10.5	5.4
24PB-17.50-20.00-D	2/23/06	519.5	0.986	512.4	100.0	100.0	98.4	81.6	63.4	51.1	32.2	6.6	3.9
24PB-22.50-25.00-D	2/23/06	574.5	0.971	558.0	100.0	100.0	100.0	96.0	82.5	66.2	36.5	12.2	8.0
24PB-27.50-30.00-D	2/23/06	608.2	0.987	600.2	100.0	100.0	100.0	90.2	72.9	58.1	33.6	10.6	6.1
24PB-32.50-35.00-D	2/23/06	609.4	0.984	599.6	100.0	100.0	100.0	89.8	75.1	59.5	33.5	11.2	8.0
24PB-37.50-40.00-D	2/23/06	535.8	0.992	531.4	100.0	100.0	100.0	83.0	68.5	62.2	45.9	13.7	6.4
24PB-42.50-45.00-D	2/23/06	553.1	0.994	549.8	100.0	100.0	100.0	83.8	62.4	45.9	26.3	9.3	5.3
24PB-47.50-50.00-D	2/23/06	388.3	0.987	383.2	100.0	100.0	100.0	83.9	71.7	65.1	51.7	11.9	5.3
24PB-52.50-55.00-D	2/24/06	400.5	0.996	399.0	100.0	100.0	100.0	66.9	26.6	13.1	6.0	2.4	1.3
24PB-57.50-60.00-D	2/24/06	477.7	0.993	474.2	100.0	100.0	100.0	79.2	68.3	60.6	43.9	14.3	6.2
24PB-62.50-65.00-D	2/24/06	738.0	0.994	733.7	100.0	100.0	100.0	82.4	52.8	33.0	17.5	9.0	5.2
24PB-67.50-70.00-D	2/24/06	978.6	0.995	973.8	100.0	100.0	100.0	80.0	51.8	29.2	12.9	7.1	4.9
24PB-72.50-75.00-D	2/24/06	799.8	0.994	795.4	100.0	100.0	100.0	79.9	54.8	34.1	15.6	8.1	5.5
24PB-77.50-80.00-D	2/24/06	652.8	0.989	645.4	100.0	100.0	100.0	89.0	68.0	52.7	28.0	11.2	7.0
24PB-82.50-85.00-D	2/24/06	655.0	0.991	649.4	100.0	100.0	100.0	85.6	61.8	46.3	27.9	9.0	5.7
24PB-87.50-90.00-D	2/24/06	626.2	0.993	621.5	100.0	100.0	100.0	71.3	43.2	28.8	15.0	5.1	2.8
24PB-92.50-95.00-D	2/24/06	693.7	0.993	689.1	100.0	100.0	100.0	78.2	50.6	34.1	18.6	8.4	4.7
24PB-97.50-100.00-D	2/24/06	596.5	0.995	593.4	100.0	100.0	100.0	77.6	59.0	40.8	19.2	10.8	7.5
24PB-102.50-105.00-D	2/27/06	624.9	0.994	621.4	100.0	100.0	100.0	72.4	44.2	27.1	11.7	5.9	3.9

Wet Sieve Particle Size Analysis

Cuttings samples from NC-EWDP-24PB

Sample Number	Test Start Date	Sample Weight (g)	Hygroscopic Moisture Correction Factor (g/g)	Oven Dried Sample Weight (g)	Percent of Sample Passing								
					3-inch Sieve	1½-inch Sieve	¾-inch Sieve	3/8-inch Sieve	No. 4 Sieve	No. 10 Sieve	No. 40 Sieve	No. 100 Sieve	No. 200 Sieve
24PB-107.50-110.00-D	2/27/06	698.4	0.990	691.2	100.0	100.0	100.0	89.7	67.1	44.0	21.7	11.9	8.3
24PB-112.50-115.00-D	2/27/06	582.1	0.989	575.7	100.0	100.0	100.0	84.7	63.2	42.7	21.1	10.8	6.9
24PB-117.50-120.00-D	2/27/06	878.9	0.985	865.6	100.0	100.0	100.0	87.9	67.9	47.2	23.0	11.7	7.9
24PB-122.50-125.00-D	2/27/06	708.3	0.979	693.4	100.0	100.0	100.0	94.3	72.4	52.1	29.6	15.5	9.6
24PB-127.50-130.00-D	2/27/06	560.8	0.985	552.6	100.0	100.0	100.0	83.8	53.5	36.4	15.6	7.2	4.7
24PB-132.50-135.00-D	2/27/06	511.7	0.980	501.7	100.0	100.0	100.0	86.5	66.9	50.3	30.6	14.5	8.3
24PB-137.50-140.00-D	2/27/06	422.2	0.986	416.4	100.0	100.0	100.0	78.4	44.7	21.8	4.3	2.2	1.7
24PB-142.50-145.00-D	2/27/06	469.5	0.987	463.4	100.0	100.0	97.9	70.0	41.3	25.9	10.1	3.4	2.1
24PB-147.50-150.00-D	2/27/06	574.2	0.980	563.0	100.0	100.0	100.0	80.2	58.2	38.3	15.8	7.5	5.1
24PB-152.50-155.00-D	2/28/06	463.4	0.981	454.7	100.0	100.0	100.0	78.2	57.0	37.5	15.1	7.1	4.8
24PB-157.50-160.00-D	2/28/06	790.2	0.976	771.4	100.0	100.0	100.0	85.3	65.2	46.1	20.9	10.1	6.8
24PB-162.50-165.00-D	2/28/06	763.6	0.975	744.3	100.0	100.0	100.0	87.5	68.8	48.0	21.3	10.2	6.4
24PB-167.50-170.00-D	2/28/06	603.2	0.976	588.7	100.0	100.0	100.0	83.6	59.6	42.4	22.4	10.1	6.4
24PB-172.50-175.00-D	2/28/06	808.1	0.973	786.0	100.0	100.0	100.0	87.8	69.0	47.3	24.9	13.3	9.1
24PB-177.50-180.00-D	2/28/06	535.6	0.980	524.6	100.0	100.0	100.0	75.0	44.9	24.9	9.3	4.7	3.3
24PB-182.50-185.00-D	2/28/06	765.9	0.984	753.6	100.0	100.0	100.0	89.0	61.1	38.3	20.3	10.0	6.0
24PB-187.50-190.00-D	2/28/06	673.7	0.979	659.7	100.0	100.0	100.0	84.9	63.9	41.6	18.1	9.0	6.6
24PB-192.50-195.00-D	2/28/06	533.8	0.973	519.3	100.0	100.0	100.0	81.5	59.9	38.1	15.6	7.5	5.1
24PB-197.50-200.00-D	2/28/06	395.4	0.978	386.5	100.0	100.0	100.0	63.5	25.5	11.3	5.0	3.2	2.4
24PB-202.50-205.00-D	3/1/06	622.7	0.982	611.6	100.0	100.0	100.0	82.3	64.1	45.0	23.1	10.3	6.4
24PB-207.50-210.00-D	3/1/06	532.7	0.986	525.0	100.0	100.0	100.0	79.0	50.8	28.8	9.0	4.6	3.5

Wet Sieve Particle Size Analysis

Cuttings samples from NC-EWDP-24PB

Sample Number	Test Start Date	Sample Weight (g)	Hygroscopic Moisture Correction Factor (g/g)	Oven Dried Sample Weight (g)	Percent of Sample Passing								
					3-inch Sieve	1½-inch Sieve	¾-inch Sieve	3/8-inch Sieve	No. 4 Sieve	No. 10 Sieve	No. 40 Sieve	No. 100 Sieve	No. 200 Sieve
24PB-212.50-215.00-D	3/1/06	450.8	0.991	446.5	100.0	100.0	100.0	61.1	21.2	5.8	4.2	2.7	2.0
24PB-217.50-220.00-D	3/1/06	840.5	0.978	821.6	100.0	100.0	100.0	84.5	69.4	49.1	20.4	8.4	6.4
24PB-222.50-225.00-D	3/1/06	388.9	0.980	381.0	100.0	100.0	100.0	97.5	93.7	88.2	47.6	11.2	6.0
24PB-227.50-230.00-D	3/1/06	542.2	0.972	526.8	100.0	100.0	100.0	91.8	77.7	65.7	38.2	10.8	5.7
24PB-232.50-235.00-D	3/1/06	468.1	0.974	455.9	100.0	100.0	100.0	94.9	84.8	72.1	42.6	15.2	9.3
24PB-237.50-240.00-D	3/1/06	508.1	0.986	500.8	100.0	100.0	100.0	83.7	64.2	46.4	24.0	12.3	8.4
24PB-242.50-245.00-D	3/1/06	347.4	0.988	343.1	100.0	100.0	100.0	82.5	59.2	45.6	29.3	12.6	8.4
24PB-247.50-250.00-D	3/1/06	660.2	0.977	645.0	100.0	100.0	100.0	90.5	70.6	52.8	27.1	15.1	10.9
24PB-252.50-255.00-D	3/2/06	666.0	0.983	655.0	100.0	100.0	100.0	86.2	67.9	47.1	23.8	14.0	10.4
24PB-257.50-260.00-D	3/2/06	419.0	0.981	411.1	100.0	100.0	100.0	91.5	81.1	74.0	54.2	18.2	12.3
24PB-262.50-265.00-D	3/2/06	662.2	0.984	651.6	100.0	100.0	100.0	83.5	64.5	51.5	33.6	18.5	12.3
24PB-267.50-270.00-D	3/2/06	541.5	0.968	524.2	100.0	100.0	100.0	98.0	93.1	89.1	57.6	25.2	16.9
24PB-272.50-275.00-D	3/2/06	485.3	0.963	467.4	100.0	100.0	100.0	96.2	88.2	80.9	60.4	36.5	25.6
24PB-277.50-280.00-D	3/2/06	397.4	0.984	391.1	100.0	100.0	100.0	87.9	75.1	64.0	39.5	23.2	18.4
24PB-282.50-285.00-D	3/2/06	631.6	0.980	618.9	100.0	100.0	100.0	85.3	68.7	52.5	28.4	15.2	10.9
24PB-287.50-290.00-D	3/2/06	457.2	0.985	450.2	100.0	100.0	100.0	83.8	67.3	53.3	29.3	16.1	11.4
24PB-292.50-295.00-D	3/2/06	570.0	0.978	557.4	100.0	100.0	100.0	92.1	72.5	55.3	30.8	18.3	13.8
24PB-297.50-300.00-D	3/2/06	532.2	0.982	522.6	100.0	100.0	100.0	94.7	77.7	58.0	26.1	14.5	10.8
24PB-302.50-305.00-D	3/7/06	657.5	0.969	637.4	100.0	100.0	100.0	95.4	80.0	62.5	25.7	12.9	9.5
24PB-307.50-310.00-D	3/7/06	646.1	0.975	630.2	100.0	100.0	100.0	92.7	76.7	57.8	26.4	15.2	11.3
24PB-312.50-315.00-D	3/7/06	937.6	0.977	915.8	100.0	100.0	100.0	91.4	72.0	52.3	21.0	11.8	8.3

Wet Sieve Particle Size Analysis

Cuttings samples from NC-EWDP-24PB

Sample Number	Test Start Date	Sample Weight (g)	Hygroscopic Moisture Correction Factor (g/g)	Oven Dried Sample Weight (g)	Percent of Sample Passing								
					3-inch Sieve	1½-inch Sieve	¾-inch Sieve	3/8-inch Sieve	No. 4 Sieve	No. 10 Sieve	No. 40 Sieve	No. 100 Sieve	No. 200 Sieve
24PB-317.50-320.00-D	3/7/06	634.8	0.942	598.1	100.0	100.0	100.0	96.3	88.1	79.1	59.2	44.4	33.8
24PB-322.50-325.00-D	3/7/06	921.4	0.972	896.0	100.0	100.0	100.0	87.5	70.2	55.3	36.8	25.0	16.7
24PB-327.50-330.00-D	3/7/06	919.1	0.972	893.3	100.0	100.0	100.0	90.8	77.4	62.8	40.3	28.1	20.3
24PB-332.50-335.00-D	3/7/06	749.6	0.978	732.9	100.0	100.0	100.0	91.1	69.5	53.5	37.5	25.0	17.9
24PB-337.50-340.00-D	3/7/06	614.4	0.982	603.3	100.0	100.0	100.0	90.3	74.9	57.8	35.6	22.8	14.3
24PB-342.50-345.00-D	3/7/06	558.1	0.980	546.8	100.0	100.0	100.0	91.1	76.3	59.7	37.2	24.9	17.5
24PB-347.50-350.00-D	3/7/06	483.3	0.985	476.2	100.0	100.0	100.0	95.2	78.0	58.2	34.3	23.5	16.5
24PB-352.50-355.00-D	3/8/06	635.7	0.989	628.8	100.0	100.0	100.0	93.4	77.8	59.0	33.8	21.8	15.2
24PB-357.50-360.00-D	3/8/06	452.3	0.990	447.9	100.0	100.0	100.0	84.7	66.8	49.4	29.8	18.9	12.0
24PB-362.50-365.00-D	3/8/06	599.0	0.990	592.8	100.0	100.0	100.0	92.3	76.3	54.8	32.4	21.8	15.2
24PB-367.50-370.00-D	3/8/06	718.7	0.988	710.0	100.0	100.0	100.0	93.3	75.7	55.0	32.5	22.2	15.5
24PB-372.50-375.00-D	3/8/06	521.0	0.989	515.0	100.0	100.0	100.0	93.2	77.6	56.9	35.7	25.1	17.9
24PB-377.50-380.00-D	3/8/06	793.3	0.986	782.3	100.0	100.0	100.0	95.9	82.6	62.4	36.2	23.2	15.8
24PB-382.50-385.00-D	3/8/06	605.5	0.987	597.4	100.0	100.0	100.0	94.9	84.8	69.1	43.1	28.8	21.5
24PB-387.50-390.00-D	3/8/06	714.6	0.985	703.7	100.0	100.0	100.0	96.2	83.5	65.1	40.2	26.8	19.0
24PB-392.50-395.00-D	3/8/06	860.9	0.980	843.6	100.0	100.0	100.0	96.2	81.4	63.2	39.1	25.5	18.2
24PB-397.50-400.00-D	3/8/06	604.8	0.979	592.3	100.0	100.0	100.0	94.9	76.7	56.2	32.3	21.0	15.1
24PB-402.50-405.00-D	3/8/06	678.7	0.957	649.4	100.0	100.0	100.0	95.6	78.8	57.3	30.4	17.8	13.0