Appendix B

D-Sample Analysis of 16% NCH

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Date 7/22/2005

D Number G 24790

Customer DIC NCH -42A

DuPont Secure Environmental Treatment
Outside Waste Analytical Sheet

Physical Properties

Color/Form	light yellow
Water Miscible	Y / N
Odor	4
Radioactivity	P / F
Combustability	Y / N
Latex Test	P / F
Foam Test	P / F
Flash Point @ 140 F	P / F
Specific Gravity	1.13

Routine Analyses

Sulfide paper	P / F
Cyanide paper	P / F
pH	12.09
Acidity/Alkalinity	78982
(5.95 ml) x N x 50,000	
sample wt in g 1.13	
DOC (mg/L)	85380
dilution=	
Total nitrogen (mg/L)	11070
TSS (mg/L)	4640
(G-T)/V x dil x 1,000,000	
G= 27.2775	
T= 27.2536	
V= 10 ml	
Hexadecane GC	Y / N
Water GC	Y / N
Fecal (MPN)	NA

Other Tests

Thiocyante interference	P / F NA
Ferrocyanide (mg/L)	NA
Fish tox screen (% alive)	NA

HACH Tests

Free Chlorine (mg/L)	NA
Total Chlorine (mg/L)	NA
Chrome 6 (mg/L)	NA
Soluble Cyanide (mg/L)	NA
Formaldehyde (mg/L)	NA
Nitrate (mg/L)	NA
Nitrite (mg/L)	NA
Ammonia (mg/L)	ND
Orthophosphate (mg/L)	ND
Sulfate (mg/L)	NA
Soluble Sulfide (mg/L)	ND

Metals (ICP)

Arsenic (mg/L)	<1
Barium (mg/L)	<1
Cadmium (mg/L)	<1
Total Chrome (mg/L)	<1
Copper (mg/L)	<1
Iron (mg/L)	<1
Manganese (mg/L)	<1
Nickel (mg/L)	<1
Lead (mg/L)	<1
Antimony (mg/L)	<1
Selenium (mg/L)	<1
Silver (mg/L)	<1
Tin (mg/L)	<1
Titanium (mg/L)	<1
Zinc (mg/L)	<1
Cobalt (mg/L)	<1
Molybdenum (mg/L)	<1
Vanadium (mg/L)	<1
Mercury (mg/L)	

OREO Tests

OREO foam	P / F NA
OREO Latex	P / F NA
pH 12 Latex	P / F NA

EBOD Oxygen Uptake

Regular	
Heavy Metals	
1 hr	NA
2 hr	NA
3 hr	NA
4 hr	NA
5 hr	NA
6 hr	NA
7 hr	NA
8 hr	NA
9 hr	NA
10 hr	NA
11 hr	NA
12 hr	NA
13 hr	NA
14 hr	NA
15 hr	NA
16 hr	NA
17 hr	NA
18 hr	NA
19 hr	NA
20 hr	NA
21 hr	NA
22 hr	NA
23 hr	NA
24 hr	NA
COD-initial (mg/L)	NA
COD-final (mg/L)	NA

Neutralization Solids (mg NA

(G-T)/V x 1,000,000

G= _____

T= _____

V= _____

Remarks

Water GC - no compounds of interest showed up

Hexadecane GC - no compounds of interest showed up

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Date 7/22/2005

D Number G 24791

Customer DIC NCH -42B

DuPont Secure Environmental Treatment
Outside Waste Analytical Sheet

Physical Properties

Color/Form	light yellow
Water Miscible	Y / N
Odor	4
Radioactivity	P / F
Combustability	Y / N
Latex Test	P / F
Foam Test	P / F
Flash Point @ 140 F	P / F
Specific Gravity	1.12

Routine Analyses

Sulfide paper	P / F
Cyanide paper	P / F
pH	12.47
Acidity/Alkalinity	85714
(6.4 ml) x N x 50,000	
sample wt in g 1.13	
DOC (mg/L)	84040
dilution=	
Total nitrogen (mg/L)	10700
TSS (mg/L)	5340
(G-T)/V x dil x 1,000,000	
G=2 2.6340	
T= 22.5806	
V= 10 ml	
Hexadecane GC	Y / N
Water GC	Y / N
Fecal (MPN)	NA

Other Tests

Thiocyante interference	P / F NA
Ferrocyanide (mg/L)	NA
Fish tox screen (% alive)	NA

HACH Tests

Free Chlorine (mg/L)	NA
Total Chlorine (mg/L)	NA
Chrome 6 (mg/L)	NA
Soluble Cyanide (mg/L)	NA
Formaldehyde (mg/L)	NA
Nitrate (mg/L)	NA
Nitrite (mg/L)	NA
Ammonia (mg/L)	ND
Orthophosphate (mg/L)	ND
Sulfate (mg/L)	NA
Soluble Sulfide (mg/L)	ND

Metals (ICP)

Arsenic (mg/L)	<1
Barium (mg/L)	<1
Cadmium (mg/L)	<1
Total Chrome (mg/L)	<1
Copper (mg/L)	<1
Iron (mg/L)	1.8
Manganese (mg/L)	<1
Nickel (mg/L)	<1
Lead (mg/L)	<1
Antimony (mg/L)	<1
Selenium (mg/L)	<1
Silver (mg/L)	<1
Tin (mg/L)	<1
Titanium (mg/L)	<1
Zinc (mg/L)	<1
Cobalt (mg/L)	<1
Molybdenum (mg/L)	<1
Vanadium (mg/L)	<1
Mercury (mg/L)	

OREO Tests

OREO foam	P / F NA
OREO Latex	P / F NA
pH 12 Latex	P / F NA

EBOD Oxygen Uptake

Regular	
Heavy Metals	
1 hr	NA
2 hr	NA
3 hr	NA
4 hr	NA
5 hr	NA
6 hr	NA
7 hr	NA
8 hr	NA
9 hr	NA
10 hr	NA
11 hr	NA
12 hr	NA
13 hr	NA
14 hr	NA
15 hr	NA
16 hr	NA
17 hr	NA
18 hr	NA
19 hr	NA
20 hr	NA
21 hr	NA
22 hr	NA
23 hr	NA
24 hr	NA
COD-initial (mg/L)	NA
COD-final (mg/L)	NA
Neutralization Solids (mg	NA

(G-T)/V x 1,000,000

*G=*_____

*T=*_____

*V=*_____

Remarks

Water GC - no compounds of interest showed up

Hexadecane GC - no compounds of interest showed up

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Date 7/22/2005

D Number G 24792

Customer DIC/DCC NCH -42C

DuPont Secure Environmental Treatment
Outside Waste Analytical Sheet

Physical Properties

Color/Form	light yellow
Water Miscible	Y / N
Odor	4
Radioactivity	P / F
Combustability	Y / N
Latex Test	P / F
Foam Test	P / F
Flash Point @ 140 F	P / F
Specific Gravity	1.11

Routine Analyses

Sulfide paper	P / F
Cyanide paper	P / F
pH	12.5
Acidity/Alkalinity	83135
(6.3 ml) x N x 50.000	
sample wt in g 1.13	
DOC (mg/L)	78860
dilution=	
Total nitrogen (mg/L)	9661
TSS (mg/L)	4270
(G-T)/V x dil x 1,000,000	
G= 24.2697	
T= 24.2270	
V=10 ml	
Hexadecane GC	Y / N
Water GC	Y / N
Fecal (MPN)	NA

Other Tests

Thiocyante interference	P / F NA
Ferrocyanide (mg/L)	NA
Fish tox screen (% alive)	NA

HACH Tests

Free Chlorine (mg/L)	NA
Total Chlorine (mg/L)	NA
Chrome 6 (mg/L)	NA
Soluble Cyanide (mg/L)	NA
Formaldehyde (mg/L)	NA
Nitrate (mg/L)	NA
Nitrite (mg/L)	NA
Ammonia (mg/L)	ND
Orthophosphate (mg/L)	ND
Sulfate (mg/L)	NA
Soluble Sulfide (mg/L)	ND

Metals (ICP)

Arsenic (mg/L)	<1
Barium (mg/L)	<1
Cadmium (mg/L)	<1
Total Chrome (mg/L)	<1
Copper (mg/L)	<1
Iron (mg/L)	1.9
Manganese (mg/L)	<1
Nickel (mg/L)	<1
Lead (mg/L)	<1
Antimony (mg/L)	<1
Selenium (mg/L)	<1
Silver (mg/L)	<1
Tin (mg/L)	<1
Titanium (mg/L)	<1
Zinc (mg/L)	<1
Cobalt (mg/L)	<1
Molybdenum (mg/L)	<1
Vanadium (mg/L)	<1
Mercury (mg/L)	

OREO Tests

OREO foam	P / F NA
OREO Latex	P / F NA
pH 12 Latex	P / F NA

EBOD Oxygen Uptake

Regular	
Heavy Metals	
1 hr	NA
2 hr	NA
3 hr	NA
4 hr	NA
5 hr	NA
6 hr	NA
7 hr	NA
8 hr	NA
9 hr	NA
10 hr	NA
11 hr	NA
12 hr	NA
13 hr	NA
14 hr	NA
15 hr	NA
16 hr	NA
17 hr	NA
18 hr	NA
19 hr	NA
20 hr	NA
21 hr	NA
22 hr	NA
23 hr	NA
24 hr	NA
COD-initial (mg/L)	NA
COD-final (mg/L)	NA
Neutralization Solids (mg	NA

(G-T)/V x 1,000,000

G= _____

T= _____

V= _____

Remarks

Water GC - no compounds of interest showed up

Hexadecane GC - no compounds of interest showed up

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Date 7/22/2005

D Number G 24793

Customer DIC/DCC NCH -42D

DuPont Secure Environmental Treatment
Outside Waste Analytical Sheet

Physical Properties

Color/Form	light yellow
Water Miscible	Y / N
Odor	4
Radioactivity	P / F
Combustability	Y / N
Latex Test	P / F
Foam Test	P / F
Flash Point @ 140 F	P / F
Specific Gravity	1.24

Routine Analyses

Sulfide paper	P / F
Cyanide paper	P / F
pH	12.6
Acidity/Alkalinity	73790
(6.1 ml) x N x 50,000	
sample wt in g 1.13	
DOC (mg/L)	80970
dilution=	
Total nitrogen (mg/L)	10460
TSS (mg/L)	3710
(G-T)/V x dil x 1,000,000	
G= 23.9493	
T= 23.9122	
V= 10 ml	
Hexadecane GC	Y / N
Water GC	Y / N
Fecal (MPN)	NA

Other Tests

Thiocyante interference	P / F NA
Ferrocyanide (mg/L)	NA
Fish tox screen (% alive)	NA

HACH Tests

Free Chlorine (mg/L)	NA
Total Chlorine (mg/L)	NA
Chrome 6 (mg/L)	NA
Soluble Cyanide (mg/L)	NA
Formaldehyde (mg/L)	NA
Nitrate (mg/L)	NA
Nitrite (mg/L)	NA
Ammonia (mg/L)	ND
Orthophosphate (mg/L)	ND
Sulfate (mg/L)	NA
Soluble Sulfide (mg/L)	ND

Metals (ICP)

Arsenic (mg/L)	<1
Barium (mg/L)	<1
Cadmium (mg/L)	<1
Total Chrome (mg/L)	<1
Copper (mg/L)	<1
Iron (mg/L)	<1
Manganese (mg/L)	<1
Nickel (mg/L)	<1
Lead (mg/L)	<1
Antimony (mg/L)	<1
Selenium (mg/L)	<1
Silver (mg/L)	<1
Tin (mg/L)	<1
Titanium (mg/L)	<1
Zinc (mg/L)	<1
Cobalt (mg/L)	<1
Molybdenum (mg/L)	<1
Vanadium (mg/L)	<1
Mercury (mg/L)	

OREO Tests

OREO foam	P / F NA
OREO Latex	P / F NA
pH 12 Latex	P / F NA

EBOD Oxygen Uptake

Regular	
Heavy Metals	
1 hr	NA
2 hr	NA
3 hr	NA
4 hr	NA
5 hr	NA
6 hr	NA
7 hr	NA
8 hr	NA
9 hr	NA
10 hr	NA
11 hr	NA
12 hr	NA
13 hr	NA
14 hr	NA
15 hr	NA
16 hr	NA
17 hr	NA
18 hr	NA
19 hr	NA
20 hr	NA
21 hr	NA
22 hr	NA
23 hr	NA
24 hr	NA
COD-initial (mg/L)	NA
COD-final (mg/L)	NA
Neutralization Solids (mg	NA

(G-T)/V x 1,000,000

G= _____

T= _____

V= _____

Remarks

Water GC - no compounds of interest showed up

Hexadecane GC - no compounds of interest showed up

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Date 7/22/2005

D Number G 24794

Customer DCC NCH -42E

DuPont Secure Environmental Treatment
Outside Waste Analytical Sheet

Physical Properties

Color/Form	light yellow
Water Miscible	Y / N
Odor	4
Radioactivity	P / F
Combustability	Y / N
Latex Test	P / F
Foam Test	P / F
Flash Point @ 140 F	P / F
Specific Gravity	1.08

Routine Analyses

Sulfide paper	P / F
Cyanide paper	P / F
pH	12.7
Acidity/Alkalinity	81944
(5.9 ml) x N x 50.000	
sample wt in g 1.13	
DOC (mg/L)	75520
dilution=	
Total nitrogen (mg/L)	8945
TSS (mg/L)	4380
(G-T)/V x dil x 1,000,000	
G= 22.7767	
T= 22.7329	
V= 10 ml	
Hexadecane GC	Y / N
Water GC	Y / N
Fecal (MPN)	NA

Other Tests

Thiocyante interference	P / F NA
Ferrocyanide (mg/L)	NA
Fish tox screen (% alive)	NA

HACH Tests

Free Chlorine (mg/L)	NA
Total Chlorine (mg/L)	NA
Chrome 6 (mg/L)	NA
Soluble Cyanide (mg/L)	NA
Formaldehyde (mg/L)	NA
Nitrate (mg/L)	NA
Nitrite (mg/L)	NA
Ammonia (mg/L)	ND
Orthophosphate (mg/L)	ND
Sulfate (mg/L)	NA
Soluble Sulfide (mg/L)	ND

Metals (ICP)

Arsenic (mg/L)	<1
Barium (mg/L)	<1
Cadmium (mg/L)	<1
Total Chrome (mg/L)	<1
Copper (mg/L)	<1
Iron (mg/L)	<1
Manganese (mg/L)	<1
Nickel (mg/L)	<1
Lead (mg/L)	<1
Antimony (mg/L)	<1
Selenium (mg/L)	<1
Silver (mg/L)	<1
Tin (mg/L)	<1
Titanium (mg/L)	<1
Zinc (mg/L)	<1
Cobalt (mg/L)	<1
Molybdenum (mg/L)	<1
Vanadium (mg/L)	<1
Mercury (mg/L)	

OREO Tests

OREO foam	P / F NA
OREO Latex	P / F NA
pH 12 Latex	P / F NA

EBOD Oxygen Uptake

Regular	
Heavy Metals	
1 hr	NA
2 hr	NA
3 hr	NA
4 hr	NA
5 hr	NA
6 hr	NA
7 hr	NA
8 hr	NA
9 hr	NA
10 hr	NA
11 hr	NA
12 hr	NA
13 hr	NA
14 hr	NA
15 hr	NA
16 hr	NA
17 hr	NA
18 hr	NA
19 hr	NA
20 hr	NA
21 hr	NA
22 hr	NA
23 hr	NA
24 hr	NA
COD-initial (mg/L)	NA
COD-final (mg/L)	NA

Neutralization Solids (mg NA

(G-T)/V x 1,000,000

G= _____

T= _____

V= _____

Remarks

Water GC - no compounds of interest showed up

Hexadecane GC - no compounds of interest showed up

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