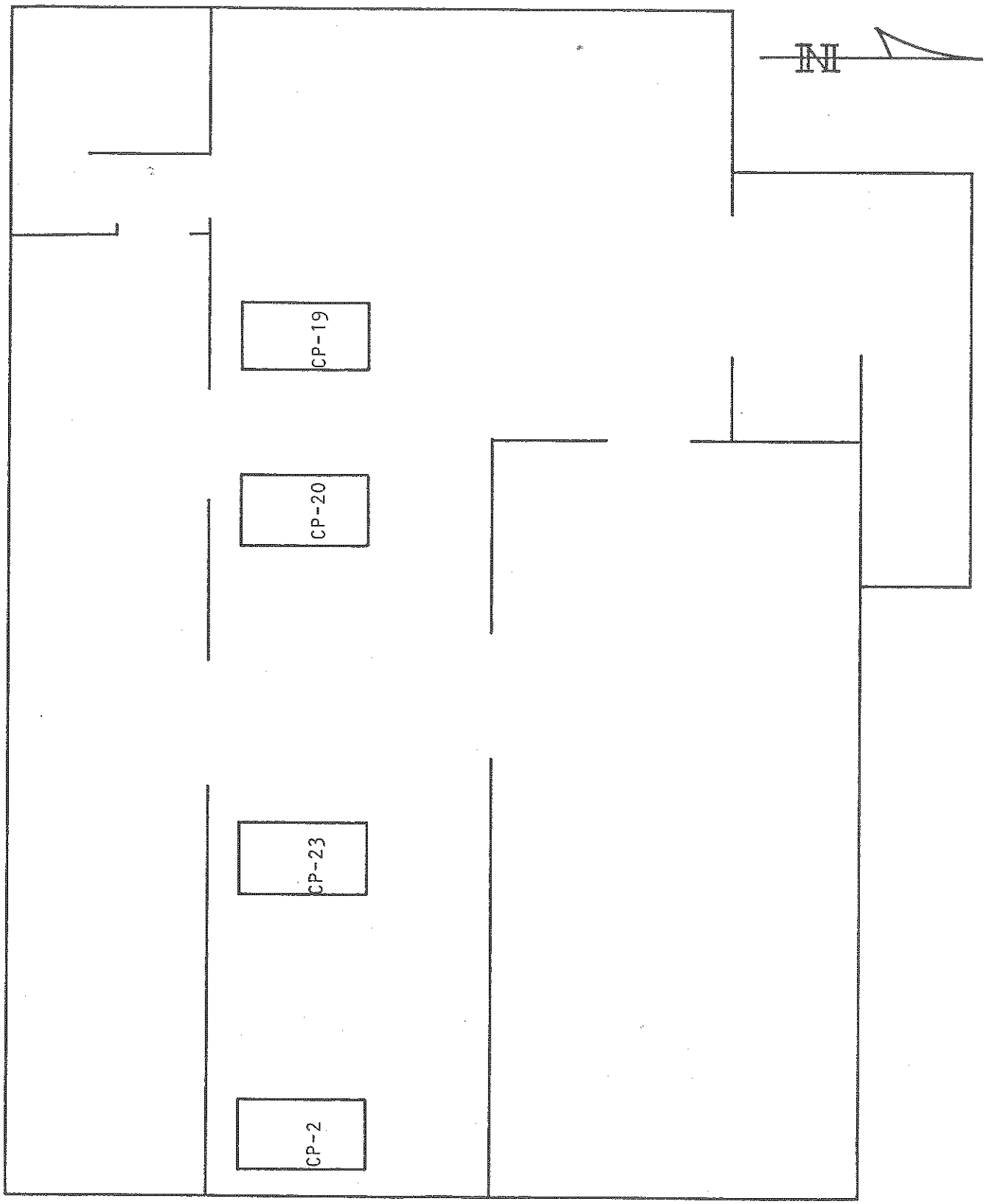
SECTION XII

CHROME PLATING
BUILDING 101 - AREA 32



Springfield Environmental Inc.
providing quality analytical and environmental services

TCLP LABORATORY ANALYSIS RESULTS

ATTN JOHN H SYKES
COLUMBUS COATED FABRICS
P O BOX 208
COLUMBUS OH 43201

Report Date: 11/15/91

SAMPLE ID: Dust Stop Oil # 726 LOG #: 5940-150
METALS ANALYST: Karen Anderson METALS ANALYZED: 11/8/91
ORGANICS ANALYST: Mike Schmidt ORGANICS ANALYZED: 11/13/91
METHODOLOGY: Volatiles by 8240, Semi-volatiles by 8270.

ANALYSIS

EPA HW NUMBER	CONTAMINANT	REGULATORY LEVEL(mg/l)	RESULTS(mg/l)
D004	Arsenic	5.0	< 0.002
D005	Barium	100.0	11.23
D018	Benzene	0.5	< 0.050
D006	Cadmium	1.0	0.099
D019	Carbon Tetrachloride	0.5	< 0.050
D021	Chlorobenzene	100.0	< 0.050
D022	Chloroform	6.0	< 0.050
D007	Chromium	5.0	< 0.050
D023	o-Cresol	200.0	< 0.200
D024	m-Cresol	200.0	< 0.200
D025	p-Cresol	200.0	< 0.200
D026	Cresol	200.0	< 0.200
D027	1,4-Dichlorobenzene	7.5	< 0.050
D028	1,2-Dichloroethane	0.5	< 0.050
D029	1,1-Dichloroethylene	0.7	< 0.050
D030	2,4-Dinitrotoluene	0.13	< 0.050
D032	Hexachlorobenzene	0.13	< 0.050
D033	Hexachlorobutadiene	0.5	< 0.050
D034	Hexachloroethane	3.0	< 0.050
D008	Lead	5.0	< 0.100
D009	Mercury	0.2	< 0.002
D035	Methyl ethyl ketone	200.0	< 0.100
D036	Nitrobenzene	2.0	< 0.050
D037	Pentachlorophenol	100.0	< 0.050
D038	Pyridine	5.0	< 0.050
D010	Selenium	1.0	< 0.002
D011	Silver	5.0	< 0.010
D039	Tetrachloroethylene	0.7	< 0.050
D040	Trichloroethylene	0.5	< 0.050
D041	2,4,5-Trichlorophenol	400.0	< 0.050
D042	2,4,6-Trichlorophenol	2.0	< 0.050
D043	Vinyl chloride	0.2	< 0.100

Springfield Environmental Inc.
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LABORATORY ANALYSIS RESULTS

ATTN JOHN H SYKES
COLUMBUS COATED FABRICS
1280 N GRANT AVE
COLUMBUS OH 43201

Report Date: 11/15/91

Report Released By:

Ed Lockwood Jr.

Ed Lockwood Jr., Pres.
P.O. Box 2728
1001 East St.
Springfield, OH 45501
513-324-8001

SAMPLE ID:	#726	Dust Stop Oil
SAMPLER:		John Sykes
COUNTY:		Franklin
SAMPLE TYPE:		Grab
SAMPLE COLLECTED:		12:30pm on 11/5/91
SAMPLE RECEIVED:		11/5/91

ANALYSIS

LABORATORY LOG No: 5940-150

Component (Units)	Result	Method	Analyst	Date
Paint Filter				
Free Liquid	PASS	SW846 9095	TV	11/7/91
Ignitability				
Flashpoint (F)	> 200	SW846 1010	KA	11/8/91
Corrosivity				
pH (S.U.)	5.3	SW846 9045	ST	11/5/91
Reactivity				
Sulfide (mg/kg)	< 5.0	SW846 9030	ST	11/6/91
Cyanide (mg/kg)	< 1.0	SW846 9010	BE	11/6/91
Copper, TCLP (mg/l)	< 0.020	1311/7210	KA	11/8/91
Zinc, TCLP (mg/l)	8.520	1311/7950	KA	11/8/91
BTU BTU/lb.	17,704		SR	11/14/91
% Solids (%)	30.0		ST	11/14/91

TCLP Methodology: TCLP extraction by SW846 1311. Volatiles by SW846 8240. Semi-volatiles by SW846 8270. Metals by AA.

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TCLP LABORATORY ANALYSIS RESULTS

ATTN JOHN H SYKES
COLUMBUS COATED FABRICS
P O BOX 208
COLUMBUS OH 43201

Report Date: 11/14/91

SAMPLE ID: **Dust Stop Oil Filters # 727** LOG #: 5941-150
METALS ANALYST: Karen Anderson METALS ANALYZED: 11/8/91
ORGANICS ANALYST: Mike Schmidt ORGANICS ANALYZED: 11/13/91
METHODOLOGY: Volatiles by 8240, Semi-volatiles by 8270.

ANALYSIS

EPA HW NUMBER	CONTAMINANT	REGULATORY LEVEL(mg/l)	RESULTS(mg/l)
D004	Arsenic	5.0	< 0.002
D005	Barium	100.0	34.0
D018	Benzene	0.5	< 0.050
D006	Cadmium	1.0	**40.2**
D019	Carbon Tetrachloride	0.5	< 0.050
D021	Chlorobenzene	100.0	< 0.050
D022	Chloroform	6.0	< 0.050
D007	Chromium	5.0	< 0.050
D023	o-Cresol	200.0	< 0.200
D024	m-Cresol	200.0	< 0.200
D025	p-Cresol	200.0	< 0.200
D026	Cresol	200.0	< 0.200
D027	1,4-Dichlorobenzene	7.5	< 0.050
D028	1,2-Dichloroethane	0.5	< 0.050
D029	1,1-Dichloroethylene	0.7	< 0.050
D030	2,4-Dinitrotoluene	0.13	< 0.050
D032	Hexachlorobenzene	0.13	< 0.050
D033	Hexachlorobutadiene	0.5	< 0.050
D034	Hexachloroethane	3.0	< 0.050
D008	Lead	5.0	< 0.100
D009	Mercury	0.2	< 0.002
D035	Methyl ethyl ketone	200.0	< 0.100
D036	Nitrobenzene	2.0	< 0.050
D037	Pentachlorophenol	100.0	< 0.050
D038	Pyridine	5.0	< 0.050
D010	Selenium	1.0	< 0.002
D011	Silver	5.0	< 0.010
D039	Tetrachloroethylene	0.7	< 0.050
D040	Trichloroethylene	0.5	< 0.050
D041	2,4,5-Trichlorophenol	400.0	< 0.050
D042	2,4,6-Trichlorophenol	2.0	< 0.050
D043	Vinyl chloride	0.2	< 0.100

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LABORATORY ANALYSIS RESULTS

ATTN JOHN H SYKES
COLUMBUS COATED FABRICS
1280 N GRANT AVE
COLUMBUS OH 43201

Report Date: 11/14/91

Report Released By:

Ed Lockwood Jr., Pres.
P.O. Box 2728
1001 East St.
Springfield, OH 45501
513-324-8001

SAMPLE ID:	#727	**Dust Stop Oil Filter Bags**
SAMPLER:		John Sykes
COUNTY:		Franklin
SAMPLE TYPE:		Grab
SAMPLE COLLECTED:		12:30pm on 11/5/91
SAMPLE RECEIVED:		11/5/91

ANALYSIS

LABORATORY LOG No: 5941-150

Component (Units)	Result	Method	Analyst	Date
Paint Filter				
Free Liquid	PASS	SW846 9095	TV	11/7/91
Ignitability				
Flashpoint (F)	> 200	SW846 1010	KA	11/8/91
Corrosivity				
pH (S.U.)	5.5	SW846 9045	ST	11/5/91
Reactivity				
Sulfide (mg/kg)	< 5.0	SW846 9030	ST	11/6/91
Cyanide (mg/kg)	< 1.0	SW846 9010	BE	11/6/91
Copper, TCLP (mg/l)	0.051	1311/7210	KA	11/8/91
Zinc, TCLP (mg/l)	13.310	1311/7950	KA	11/8/91
BTU BTU/lb.	17,264		SR	11/14/91

TCLP Methodology: TCLP extraction by SW846 1311. Volatiles by SW846 8240. Semi-volatiles by SW846 8270. Metals by AA.

Springfield Environmental Inc.

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TCLP LABORATORY ANALYSIS RESULTS

ATTN JOHN H SYKES
COLUMBUS COATED FABRICS
P O BOX 208
COLUMBUS OH 43201

Report Date: 11/9/91

SAMPLE ID: DN-14 Liquid Urethane # 725 LOG #: 5841-150
METALS ANALYST: Karen Anderson METALS ANALYZED: 11/4/91
ORGANICS ANALYST: Mike Schmidt ORGANICS ANALYZED: 11/8/91
METHODOLOGY: Volatiles by 8240, Semi-volatiles by 8270.

ANALYSIS

EPA HW NUMBER	CONTAMINANT	REGULATORY LEVEL(mg/l)	RESULTS(mg/l)
D004	Arsenic	5.0	< 0.002
D005	Barium	100.0	< 0.200
D018	Benzene	0.5	< 0.050
D006	Cadmium	1.0	< 0.020
D019	Carbon Tetrachloride	0.5	< 0.050
D021	Chlorobenzene	100.0	< 0.050
D022	Chloroform	6.0	< 0.050
D007	Chromium	5.0	< 0.050
D023	o-Cresol	200.0	< 0.200
D024	m-Cresol	200.0	< 0.200
D025	p-Cresol	200.0	< 0.200
D026	Cresol	200.0	< 0.200
D027	1,4-Dichlorobenzene	7.5	< 0.050
D028	1,2-Dichloroethane	0.5	< 0.050
D029	1,1-Dichloroethylene	0.7	< 0.050
D030	2,4-Dinitrotoluene	0.13	< 0.050
D032	Hexachlorobenzene	0.13	< 0.050
D033	Hexachlorobutadiene	0.5	< 0.050
D034	Hexachloroethane	3.0	< 0.050
D008	Lead	5.0	< 0.100
D009	Mercury	0.2	< 0.002
D035	Methyl ethyl ketone	200.0	< 0.100
D036	Nitrobenzene	2.0	< 0.050
D037	Pentachlorophenol	100.0	< 0.050
D038	Pyridine	5.0	< 0.050
D010	Selenium	1.0	< 0.002
D011	Silver	5.0	< 0.010
D039	Tetrachloroethylene	0.7	< 0.050
D040	Trichloroethylene	0.5	< 0.050
D041	2,4,5-Trichlorophenol	400.0	< 0.050
D042	2,4,6-Trichlorophenol	2.0	< 0.050
D043	Vinyl chloride	0.2	< 0.100

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LABORATORY ANALYSIS RESULTS

ATTN JOHN H SYKES
COLUMBUS COATED FABRICS
1280 N GRANT AVE
COLUMBUS OH 43201

Report Date: 11/9/91

Report Released By:

Ed Lockwood Jr.

Ed Lockwood Jr., Pres.
P.O. Box 2728
1001 East St.
Springfield, OH 45501
513-324-8001

SAMPLE ID: #725	DN-14 Liquid Urethane	
SAMPLER:	John Sykes	
COUNTY:	Franklin	
SAMPLE TYPE:	Grab	
SAMPLE COLLECTED:	2:00pm	10/31/91
SAMPLE RECEIVED:	11/1/91	

ANALYSIS

LABORATORY LOG No: 5841-150

Component (Units)	Result	Method	Analyst	Date
Paint Filter				
Free Liquid	PASS	SW846 9095	TV	11/4/91
Ignitability				
Flashpoint (F)	78	SW846 1010	KA	11/9/91
Corrosivity				
pH (S.U.)	4.5	SW846 9045	ST	11/1/91
Reactivity				
Sulfide (mg/kg)	< 5.0	SW846 9030	ST	11/6/91
Cyanide (mg/kg)	< 1.0	SW846 9010	BE	11/6/91
Copper, TCLP (mg/l)	0.038	1311/7210	KA	11/4/91
Zinc, TCLP (mg/l)	0.064	1311/7950	KA	11/4/91
BTU BTU/lb.	13,358		SR	11/5/91
% Solids (%)	57.5		ST	11/7/91

TCLP Methodology: TCLP extraction by SW846 1311. Volatiles by SW846 8240. Semi-volatiles by SW846 8270. Metals by AA.

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TCLP LABORATORY ANALYSIS RESULTS

ATTN JOHN H SYKES
COLUMBUS COATED FABRICS
P O BOX 208
COLUMBUS OH 43201

Report Date: 11/12/91

SAMPLE ID: Pan Wash Liquid # 723 LOG #: 5839-150
METALS ANALYST: Karen Anderson METALS ANALYZED: 11/4/91
ORGANICS ANALYST: Mike Schmidt ORGANICS ANALYZED: 11/12/91
METHODOLOGY: Volatiles by 8240, Semi-volatiles by 8270.

ANALYSIS

EPA HW NUMBER	CONTAMINANT	REGULATORY LEVEL(mg/l)	RESULTS(mg/l)
D004	Arsenic	5.0	< 0.002
D005	Barium	100.0	< 0.200
D018	Benzene	0.5	< 0.050
D006	Cadmium	1.0	0.160
D019	Carbon Tetrachloride	0.5	< 0.050
D021	Chlorobenzene	100.0	< 0.050
D022	Chloroform	6.0	< 0.050
D007	Chromium	5.0	< 0.050
D023	o-Cresol	200.0	< 0.200
D024	m-Cresol	200.0	< 0.200
D025	p-Cresol	200.0	< 0.200
D026	Cresol	200.0	< 0.200
D027	1,4-Dichlorobenzene	7.5	< 0.050
D028	1,2-Dichloroethane	0.5	< 0.050
D029	1,1-Dichloroethylene	0.7	< 0.050
D030	2,4-Dinitrotoluene	0.13	< 0.050
D032	Hexachlorobenzene	0.13	< 0.050
D033	Hexachlorobutadiene	0.5	< 0.050
D034	Hexachloroethane	3.0	< 0.050
D008	Lead	5.0	2.734
D009	Mercury	0.2	< 0.002
D035	Methyl ethyl ketone	200.0	< 0.100
D036	Nitrobenzene	2.0	< 0.050
D037	Pentachlorophenol	100.0	< 0.050
D038	Pyridine	5.0	< 0.050
D010	Selenium	1.0	< 0.002
D011	Silver	5.0	< 0.010
D039	Tetrachloroethylene	0.7	0.125
D040	Trichloroethylene	0.5	< 0.050
D041	2,4,5-Trichlorophenol	400.0	< 0.050
D042	2,4,6-Trichlorophenol	2.0	< 0.050
D043	Vinyl chloride	0.2	< 0.100

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LABORATORY ANALYSIS RESULTS

ATTN JOHN H SYKES
COLUMBUS COATED FABRICS
1280 N GRANT AVE
COLUMBUS OH 43201

Report Date: 11/9/91

Report Released By:

Ed Lockwood Jr.

Ed Lockwood Jr., Pres.
P.O. Box 2728
1001 East St.
Springfield, OH 45501
513-324-8001

SAMPLE ID: #723	Pan Wash Liquid - Solvent Based	
SAMPLER:	John Sykes	
COUNTY:	Franklin	
SAMPLE TYPE:	Grab	
SAMPLE COLLECTED:	2:00pm	10/31/91
SAMPLE RECEIVED:	11/1/91	

ANALYSIS

LABORATORY LOG No: 5839-150

Component (Units)	Result	Method	Analyst	Date
Paint Filter				
Free Liquid	FAIL	SW846 9095	TV	11/4/91
Ignitability				
Flashpoint (F)	78	SW846 1010	KA	11/9/91
Corrosivity				
pH (S.U.)	5.5	SW846 9045	ST	11/1/91
Reactivity				
Sulfide (mg/l)	< 1.0	SW846 9030	ST	11/6/91
Cyanide (mg/l)	< 0.020	SW846 9010	BE	11/6/91
Copper, TCLP (mg/l)	0.078	1311/7210	KA	11/4/91
Zinc, TCLP (mg/l)	0.244	1311/7950	KA	11/4/91
BTU BTU/lb.	13,586		SR	11/5/91
% Solids (%)	14.2		ST	11/7/91

TCLP Methodology: TCLP extraction by SW846 1311. Volatiles by SW846 8240. Semi-volatiles by SW846 8270. Metals by AA.

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Springfield Environmental Inc.

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TCLP LABORATORY ANALYSIS RESULTS

ATTN JOHN H SYKES
COLUMBUS COATED FABRICS
P O BOX 208
COLUMBUS OH 43201

Report Date: 11/9/91

SAMPLE ID: Spent Ink # 720 LOG #: 5836-150
METALS ANALYST: Karen Anderson METALS ANALYZED: 11/4/91
ORGANICS ANALYST: Mike Schmidt ORGANICS ANALYZED: 11/8/91
METHODOLOGY: Volatiles by 8240, Semi-volatiles by 8270.

ANALYSIS

EPA HW NUMBER	CONTAMINANT	REGULATORY LEVEL(mg/l)	RESULTS(mg/l)
D004	Arsenic	5.0	< 0.002
D005	Barium	100.0	0.300
D018	Benzene	0.5	< 0.050
D006	Cadmium	1.0	< 0.020
D019	Carbon Tetrachloride	0.5	< 0.050
D021	Chlorobenzene	100.0	< 0.050
D022	Chloroform	6.0	< 0.050
D007	Chromium	5.0	< 0.050
D023	o-Cresol	200.0	< 0.200
D024	m-Cresol	200.0	< 0.200
D025	p-Cresol	200.0	< 0.200
D026	Cresol	200.0	< 0.200
D027	1,4-Dichlorobenzene	7.5	< 0.050
D028	1,2-Dichloroethane	0.5	< 0.050
D029	1,1-Dichloroethylene	0.7	< 0.050
D030	2,4-Dinitrotoluene	0.13	< 0.050
D032	Hexachlorobenzene	0.13	< 0.050
D033	Hexachlorobutadiene	0.5	< 0.050
D034	Hexachloroethane	3.0	< 0.050
D008	Lead	5.0	< 0.100
D009	Mercury	0.2	< 0.002
D035	Methyl ethyl ketone	200.0	< 0.100
D036	Nitrobenzene	2.0	< 0.050
D037	Pentachlorophenol	100.0	< 0.050
D038	Pyridine	5.0	< 0.050
D010	Selenium	1.0	< 0.002
D011	Silver	5.0	< 0.010
D039	Tetrachloroethylene	0.7	< 0.050
D040	Trichloroethylene	0.5	< 0.050
D041	2,4,5-Trichlorophenol	400.0	< 0.050
D042	2,4,6-Trichlorophenol	2.0	< 0.050
D043	Vinyl chloride	0.2	< 0.100

Springfield Environmental Inc.

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Lockwood Laboratories

LABORATORY ANALYSIS RESULTS

ATTN JOHN H SYKES
COLUMBUS COATED FABRICS
1280 N GRANT AVE
COLUMBUS OH 43201

Report Date: 11/9/91

Report Released By:

Ed Lockwood Jr.

Ed Lockwood Jr., Pres.
P.O. Box 2728
1001 East St.
Springfield, OH 45501
513-324-8001

SAMPLE ID:	#720	Spent Waterbased Ink
SAMPLER:		John Sykes
COUNTY:		Franklin
SAMPLE TYPE:		Grab
SAMPLE COLLECTED:		2:00pm 10/31/91
SAMPLE RECEIVED:		11/1/91

ANALYSIS

LABORATORY LOG No: 5836-150

Component (Units)	Result	Method	Analyst	Date
Paint Filter				
Free Liquid	PASS	SW846 9095	TV	11/4/91
Ignitability				
Flashpoint (F)	>200	SW846 1010	KA	11/9/91
Corrosivity				
pH (S.U.)	8.0	SW846 9045	ST	11/1/91
Reactivity				
Sulfide (mg/kg)	< 5.0	SW846 9030	ST	11/6/91
Cyanide (mg/kg)	< 1.0	SW846 9010	BE	11/6/91
Copper, TCLP (mg/l)	0.226	1311/7210	KA	11/4/91
Zinc, TCLP (mg/l)	23.920	1311/7950	KA	11/4/91
BTU BTU/lb.	7,476		SR	11/5/91
% Solids (%)	33.5		ST	11/7/91

TCLP Methodology: TCLP extraction by SW846 1311. Volatiles by SW846 8240. Semi-volatiles by SW846 8270. Metals by AA.

Springfield Environmental Inc.

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Lockwood Laboratories

TCLP LABORATORY ANALYSIS RESULTS

ATTN JOHN H SYKES
COLUMBUS COATED FABRICS
P O BOX 208
COLUMBUS OH 43201

Report Date: 11/9/91

SAMPLE ID: Spent Muriatic Acid #719 LOG #: 5835-150
METALS ANALYST: Karen Anderson METALS ANALYZED: 11/4/91
ORGANICS ANALYST: Mike Schmidt ORGANICS ANALYZED: 11/8/91
METHODOLOGY: Volatiles by 8240, Semi-volatiles by 8270.

ANALYSIS

EPA HW NUMBER	CONTAMINANT	REGULATORY LEVEL(mg/l)	RESULTS(mg/l)
D004	Arsenic	5.0	< 0.002
D005	Barium	100.0	3.190
D018	Benzene	0.5	< 0.050
D006	Cadmium	1.0	0.684
D019	Carbon Tetrachloride	0.5	< 0.050
D021	Chlorobenzene	100.0	< 0.050
D022	Chloroform	6.0	< 0.050
D007	Chromium	5.0	**64900.0**
D023	o-Cresol	200.0	< 0.200
D024	m-Cresol	200.0	< 0.200
D025	p-Cresol	200.0	< 0.200
D026	Cresol	200.0	< 0.200
D027	1,4-Dichlorobenzene	7.5	< 0.050
D028	1,2-Dichloroethane	0.5	< 0.050
D029	1,1-Dichloroethylene	0.7	< 0.050
D030	2,4-Dinitrotoluene	0.13	< 0.050
D032	Hexachlorobenzene	0.13	< 0.050
D033	Hexachlorobutadiene	0.5	< 0.050
D034	Hexachloroethane	3.0	< 0.050
D008	Lead	5.0	4.317
D009	Mercury	0.2	< 0.002
D035	Methyl ethyl ketone	200.0	< 0.100
D036	Nitrobenzene	2.0	< 0.050
D037	Pentachlorophenol	100.0	< 0.050
D038	Pyridine	5.0	< 0.050
D010	Selenium	1.0	< 0.002
D011	Silver	5.0	1.500
D039	Tetrachloroethylene	0.7	< 0.050
D040	Trichloroethylene	0.5	< 0.050
D041	2,4,5-Trichlorophenol	400.0	< 0.050
D042	2,4,6-Trichlorophenol	2.0	< 0.050
D043	Vinyl chloride	0.2	< 0.100

Springfield Environmental Inc.

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Lockwood Laboratories

LABORATORY ANALYSIS RESULTS

ATTN JOHN H SYKES
COLUMBUS COATED FABRICS
1280 N GRANT AVE
COLUMBUS OH 43201

Report Date: 11/9/91

Report Released By:

Ed Lockwood Jr.

Ed Lockwood Jr., Pres.
P.O. Box 2728
1001 East St.
Springfield, OH 45501
513-324-8001

SAMPLE ID:	**Spent Muriatic Acid # 719**
SAMPLER:	John Sykes
COUNTY:	Franklin
SAMPLE TYPE:	Grab
SAMPLE COLLECTED:	2:00 p.m. 10/31/91
SAMPLE RECEIVED:	11/1/91

ANALYSIS

LABORATORY LOG No: 5835-150

Component (Units)	Result	Method	Analyst	Date
Paint Filter				
Free Liquid	FAIL	SW846 9095	TV	11/4/91
Ignitability				
Flashpoint (F)	> 200	SW846 1010	EL	11/1/91
Corrosivity				
pH (S.U.)	< 2.0	SW846 9045	TV	11/1/91
Reactivity				
Sulfide (mg/l)	< 1.0	SW846 9030	ST	11/6/91
Cyanide (mg/l)	< 0.020	SW846 9010	BE	11/6/91
Copper, TCLP (mg/l)	11.6	1311/7210	KA	11/4/91
Zinc, TCLP (mg/l)	14580.0	1311/7950	KA	11/4/91

TCLP Methodology: TCLP extraction by SW846 1311. Volatiles by SW846 8240. Semi-volatiles by SW846 8270. Metals by AA.

Springfield Environmental Inc.

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Lockwood Laboratories

TCLP LABORATORY ANALYSIS RESULTS

ATTN JOHN H SYKES
COLUMBUS COATED FABRICS
1280 N GRANT AVE
COLUMBUS OH 43201

Report Date: 11/7/91

SAMPLE ID: **#724 Chrome Plating Sump** LOG #: 5840-150
METALS ANALYST: Karen Anderson METALS ANALYZED: 11/4/91
ORGANICS ANALYST: Mike Schmidt ORGANICS ANALYZED: 11/7/91
METHODOLOGY: Volatiles by 8240, Semi-volatiles by 8270.

ANALYSIS

EPA HW NUMBER	CONTAMINANT	REGULATORY LEVEL(mg/l)	RESULTS(mg/l)
D004	Arsenic	5.0	< 0.002
D005	Barium	100.0	< 0.200
D018	Benzene	0.5	< 0.050
D006	Cadmium	1.0	< 0.020
D019	Carbon Tetrachloride	0.5	< 0.050
D021	Chlorobenzene	100.0	< 0.050
D022	Chloroform	6.0	< 0.050
D007	Chromium	5.0	1.504
D023	o-Cresol	200.0	< 0.200
D024	m-Cresol	200.0	< 0.200
D025	p-Cresol	200.0	< 0.200
D026	Cresol	200.0	< 0.200
D027	1,4-Dichlorobenzene	7.5	< 0.050
D028	1,2-Dichloroethane	0.5	< 0.050
D029	1,1-Dichloroethylene	0.7	< 0.050
D030	2,4-Dinitrotoluene	0.13	< 0.050
D032	Hexachlorobenzene	0.13	< 0.050
D033	Hexachlorobutadiene	0.5	< 0.050
D034	Hexachloroethane	3.0	< 0.050
D008	Lead	5.0	0.171
D009	Mercury	0.2	< 0.002
D035	Methyl ethyl ketone	200.0	< 0.100
D036	Nitrobenzene	2.0	< 0.050
D037	Pentachlorophenol	100.0	< 0.050
D038	Pyridine	5.0	< 0.050
D010	Selenium	1.0	< 0.002
D011	Silver	5.0	< 0.010
D039	Tetrachloroethylene	0.7	< 0.050
D040	Trichloroethylene	0.5	< 0.050
D041	2,4,5-Trichlorophenol	400.0	< 0.050
D042	2,4,6-Trichlorophenol	2.0	< 0.050
D043	Vinyl chloride	0.2	< 0.100

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LABORATORY ANALYSIS RESULTS

ATTN JOHN H SYKES
COLUMBUS COATED FABRICS
1280 N GRANT AVE
COLUMBUS OH 43201

Report Date: 11/7/91

Report Released By:

Ed Lockwood Jr.

Ed Lockwood Jr., Pres.
P.O. Box 2728
1001 East St.
Springfield, OH 45501
513-324-8001

SAMPLE ID:	#724	**Chrome Plating Sump Sludge**
SAMPLER:		John Sykes
COUNTY:		Franklin
SAMPLE TYPE:		Grab
SAMPLE COLLECTED:		2:00pm 10/31/91
SAMPLE RECEIVED:		11/1/91

ANALYSIS

LABORATORY LOG No: 5840-150

Component (Units)	Result	Method	Analyst	Date
Paint Filter				
Free Liquid	FAIL	SW846 9095	TV	11/4/91
Ignitability				
Flashpoint (F)	>200	SW846 1010	EL	11/7/91
Corrosivity				
pH (S.U.)	5.8	SW846 9045	ST	11/1/91
Reactivity				
Sulfide (mg/l)	< 5.0	SW846 9030	ST	11/6/91
Cyanide (mg/l)	< 0.100	SW846 9010	BE	11/6/91
Copper, TCLP (mg/l)	3.001	1311/7210	KA	11/4/91
Zinc, TCLP (mg/l)	15.590	1311/7950	KA	11/4/91
BTU BTU/lb.	775		SR	11/5/91
% Solids (%)	2.6		ST	11/1/91

TCLP Methodology: TCLP extraction by SW846 1311. Volatiles by SW846 8240. Semi-volatiles by SW846 8270. Metals by AA.

Springfield Environmental Inc.

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TCLP LABORATORY ANALYSIS RESULTS

ATTN JOHN H SYKES
COLUMBUS COATED FABRICS
1280 N GRANT AVE
COLUMBUS OH 43201

Report Date: 11/6/91

SAMPLE ID: #722 Pan Wash Solids LOG #: 5838-150
METALS ANALYST: Karen Anderson METALS ANALYZED: 11/4/91
ORGANICS ANALYST: Mike Schmidt ORGANICS ANALYZED: 11/6/91
METHODOLOGY: Volatiles by 8240, Semi-volatiles by 8270.

ANALYSIS

EPA HW NUMBER	CONTAMINANT	REGULATORY LEVEL(mg/l)	RESULTS(mg/l)
D004	Arsenic	5.0	< 0.002
D005	Barium	100.0	1.050
D018	Benzene	0.5	< 0.050
D006	Cadmium	1.0	0.240
D019	Carbon Tetrachloride	0.5	< 0.050
D021	Chlorobenzene	100.0	< 0.050
D022	Chloroform	6.0	< 0.050
D007	Chromium	5.0	0.547
D023	o-Cresol	200.0	< 0.200
D024	m-Cresol	200.0	< 0.200
D025	p-Cresol	200.0	< 0.200
D026	Cresol	200.0	< 0.200
D027	1,4-Dichlorobenzene	7.5	< 0.050
D028	1,2-Dichloroethane	0.5	< 0.050
D029	1,1-Dichloroethylene	0.7	< 0.050
D030	2,4-Dinitrotoluene	0.13	< 0.050
D032	Hexachlorobenzene	0.13	< 0.050
D033	Hexachlorobutadiene	0.5	< 0.050
D034	Hexachloroethane	3.0	< 0.050
D008	Lead	5.0	15.86
D009	Mercury	0.2	< 0.002
D035	Methyl ethyl ketone	200.0	< 0.100
D036	Nitrobenzene	2.0	< 0.050
D037	Pentachlorophenol	100.0	< 0.050
D038	Pyridine	5.0	< 0.050
D010	Selenium	1.0	< 0.002
D011	Silver	5.0	< 0.010
D039	Tetrachloroethylene	0.7	< 0.050
D040	Trichloroethylene	0.5	< 0.050
D041	2,4,5-Trichlorophenol	400.0	< 0.050
D042	2,4,6-Trichlorophenol	2.0	< 0.050
D043	Vinyl chloride	0.2	< 0.100

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Springfield Environmental Inc.

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LABORATORY ANALYSIS RESULTS

ATTN JOHN H SYKES
COLUMBUS COATED FABRICS
1280 N GRANT AVE
COLUMBUS OH 43201

Report Date: 11/6/91

Report Released By:

Ed Lockwood Jr.

Ed Lockwood Jr., Pres.
P.O. Box 2728
1001 East St.
Springfield, OH 45501
513-324-8001

SAMPLE ID: #722	**Pan Wash Solids - Waterbased**	
SAMPLER:	John Sykes	
COUNTY:	Franklin	
SAMPLE TYPE:	Grab	
SAMPLE COLLECTED:	2:00pm	10/31/91
SAMPLE RECEIVED:	11/1/91	

ANALYSIS

LABORATORY LOG No: 5838-150

Component (Units)	Result	Method	Analyst	Date
Paint Filter				
Free Liquid	PASS	SW846 9095	TV	11/4/91
Ignitability				
Flashpoint (F)	>200	SW846 1010	EL	11/1/91
Corrosivity				
pH (S.U.)	5.3	SW846 9045	ST	11/1/91
Reactivity				
Sulfide (mg/kg)	< 5.0	SW846 9030	ST	11/6/91
Cyanide (mg/kg)	< 1.0	SW846 9010	BE	11/6/91
Copper, TCLP (mg/l)	0.299	1311/7210	KA	11/4/91
Zinc, TCLP (mg/l)	7.520	1311/7950	KA	11/4/91
BTU BTU/lb.	4,657		SR	11/5/91

TCLP Methodology: TCLP extraction by SW846 1311. Volatiles by SW846 8240. Semi-volatiles by SW846 8270. Metals by AA.

Springfield Environmental Inc.

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Lockwood Laboratories

TCLP LABORATORY ANALYSIS RESULTS

ATTN JOHN H SYKES
COLUMBUS COATED FABRICS
1280 N GRANT AVE
COLUMBUS OH 43201

Report Date: 11/1/91

SAMPLE ID: #716 Limestone Sump LOG #: 5735-150
METALS ANALYST: Karen Anderson METALS ANALYZED: 11/1/91
ORGANICS ANALYST: Mike Schmidt ORGANICS ANALYZED: 11/1/91
METHODOLOGY: Volatiles by 8240, Semi-volatiles by 8270.

ANALYSIS

EPA HW NUMBER	CONTAMINANT	REGULATORY LEVEL(mg/l)	RESULTS(mg/l)
D004	Arsenic	5.0	< 0.002
D005	Barium	100.0	0.210
D018	Benzene	0.5	< 0.050
D006	Cadmium	1.0	< 0.020
D019	Carbon Tetrachloride	0.5	< 0.050
D021	Chlorobenzene	100.0	< 0.050
D022	Chloroform	6.0	< 0.050
D007	Chromium	5.0	< 0.050
D023	o-Cresol	200.0	< 0.200
D024	m-Cresol	200.0	< 0.200
D025	p-Cresol	200.0	< 0.200
D026	Cresol	200.0	< 0.200
D027	1,4-Dichlorobenzene	7.5	< 0.050
D028	1,2-Dichloroethane	0.5	< 0.050
D029	1,1-Dichloroethylene	0.7	< 0.050
D030	2,4-Dinitrotoluene	0.13	< 0.050
D032	Hexachlorobenzene	0.13	< 0.050
D033	Hexachlorobutadiene	0.5	< 0.050
D034	Hexachloroethane	3.0	< 0.050
D008	Lead	5.0	0.152
D009	Mercury	0.2	< 0.002
D035	Methyl ethyl ketone	200.0	< 0.100
D036	Nitrobenzene	2.0	< 0.050
D037	Pentachlorophenol	100.0	< 0.050
D038	Pyridine	5.0	< 0.050
D010	Selenium	1.0	< 0.002
D011	Silver	5.0	0.020
D039	Tetrachloroethylene	0.7	< 0.050
D040	Trichloroethylene	0.5	< 0.050
D041	2,4,5-Trichlorophenol	400.0	< 0.050
D042	2,4,6-Trichlorophenol	2.0	< 0.050
D043	Vinyl chloride	0.2	< 0.100

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LABORATORY ANALYSIS RESULTS

ATTN JOHN H SYKES
COLUMBUS COATED FABRICS
1280 N GRANT AVE
COLUMBUS OH 43201

Report Date: 11/1/91

Report Released By:

Ed Lockwood Jr.

Ed Lockwood Jr., Pres.
P.O. Box 2728
1001 East St.
Springfield, OH 45501
513-324-8001

SAMPLE ID:	#716	Limestone Sump From Electroplating
SAMPLER:		John Sykes
COUNTY:		Franklin
SAMPLE TYPE:		Grab
SAMPLE COLLECTED:		11:00am 10/29/91
SAMPLE RECEIVED:		10/29/91

ANALYSIS

LABORATORY LOG No: 5735-150

Component (Units)	Result	Method	Analyst	Date
Paint Filter				
Free Liquid	PASS	SW846 9095	TV	10/29/91
Ignitability				
Flashpoint (F)	>150	SW846 1010	EL	11/1/91
Corrosivity				
pH (S.U.)	8.5	SW846 9045	ST	10/29/91
Reactivity				
Sulfide (mg/kg)	< 1.0	SW846 9030	ST	11/1/91
Cyanide (mg/kg)	< 1.0	SW846 9010	BE	11/1/91
Copper, TCLP (mg/l)	0.190	1311/7210	KA	11/1/91
Zinc, TCLP (mg/l)	0.127	1311/7950	KA	11/1/91
BTU BTU/lb.	1,006		SR	11/1/91

TCLP Methodology: TCLP extraction by SW846 1311. Volatiles by SW846 8240. Semi-volatiles by SW846 8270. Metals by AA.

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LABORATORY ANALYSIS RESULTS

ATTN JOHN H SYKES
COLUMBUS COATED FABRICS
1280 N GRANT AVE
COLUMBUS OH 43201

Report Date: 10/28/91

Report Released By:

Ed Lockwood Jr.

Ed Lockwood Jr., Pres.
P.O. Box 2728
1001 East St.
Springfield, OH 45501
513-324-8001

SAMPLE ID:	**Waste Solvent Ink # 702 (Bldg. 95)**
SAMPLER:	John Sykes
COUNTY:	Franklin
SAMPLE TYPE:	Grab
SAMPLE COLLECTED:	9:30 a.m. 10/16/91
SAMPLE RECEIVED:	10/16/91

ANALYSIS

LABORATORY LOG No: 5539-150

Component (Units)	Result	Method	Analyst	Date
Paint Filter				
Free Liquid	FAIL	SW846 9095	TV	10/17/91
Ignitability				
Flashpoint (F)	75	SW846 1010	ST	10/22/91
Corrosivity				
pH (S.U.)	5.5	SW846 9045	TV	10/17/91
Reactivity				
Sulfide (mg/l)	< 1.0	SW846 9030	ST	10/18/91
Cyanide (mg/l)	< 0.020	SW846 9010	BE	10/18/91
Copper, TCLP (mg/l)	2.800	1311/7210	KA	10/18/91
Zinc, TCLP (mg/l)	6.000	1311/7950	KA	10/18/91
BTU BTU/lb.	14,065		SR	10/17/91
% Solids %	7.6		ST	10/23/91

TCLP Methodology: TCLP extraction by SW846 1311. Volatiles by SW846 8240. Semi-volatiles by SW846 8270. Metals by AA.

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TCLP LABORATORY ANALYSIS RESULTS

ATTN JOHN H SYKES
COLUMBUS COATED FABRICS
P O BOX 208
COLUMBUS OH 43201

Report Date: 10/28/91

SAMPLE ID: **Waste Solvent Ink # 702** LOG #: 5539-150
METALS ANALYST: Karen Anderson METALS ANALYZED: 10/18/91
ORGANICS ANALYST: Mike Schmidt ORGANICS ANALYZED: 10/26/91
METHODOLOGY: Volatiles by 8240, Semi-volatiles by 8270.

ANALYSIS

EPA HW NUMBER	CONTAMINANT	REGULATORY LEVEL(mg/l)	RESULTS(mg/l)
D004	Arsenic	5.0	< 0.002
D005	Barium	100.0	4.300
D018	Benzene	0.5	< 0.050
D006	Cadmium	1.0	1.332
D019	Carbon Tetrachloride	0.5	< 0.050
D021	Chlorobenzene	100.0	< 0.050
D022	Chloroform	6.0	< 0.050
D007	Chromium	5.0	**141.0**
D023	o-Cresol	200.0	< 0.200
D024	m-Cresol	200.0	< 0.200
D025	p-Cresol	200.0	< 0.200
D026	Cresol	200.0	< 0.200
D027	1,4-Dichlorobenzene	7.5	< 0.050
D028	1,2-Dichloroethane	0.5	< 0.050
D029	1,1-Dichloroethylene	0.7	< 0.050
D030	2,4-Dinitrotoluene	0.13	< 0.050
D032	Hexachlorobenzene	0.13	< 0.050
D033	Hexachlorobutadiene	0.5	< 0.050
D034	Hexachloroethane	3.0	< 0.050
D008	Lead	5.0	2.880
D009	Mercury	0.2	< 0.002
D035	Methyl ethyl ketone	200.0	< 0.100
D036	Nitrobenzene	2.0	< 0.050
D037	Pentachlorophenol	100.0	< 0.050
D038	Pyridine	5.0	< 0.050
D010	Selenium	1.0	< 0.002
D011	Silver	5.0	< 0.010
D039	Tetrachloroethylene	0.7	< 0.050
D040	Trichloroethylene	0.5	< 0.050
D041	2,4,5-Trichlorophenol	400.0	< 0.050
D042	2,4,6-Trichlorophenol	2.0	< 0.050
D043	Vinyl chloride	0.2	< 0.100

Springfield Environmental Inc.

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Lockwood Laboratories

LABORATORY ANALYSIS RESULTS

ATTN JOHN H SYKES
COLUMBUS COATED FABRICS
1280 N GRANT AVE
COLUMBUS OH 43201

Report Date: 10/24/91

Report Released By:

Ed Lockwood Jr.

Ed Lockwood Jr., Pres.
P.O. Box 2728
1001 East St.
Springfield, OH 45501
513-324-8001

SAMPLE ID:	PR-100 STRIP #700
SAMPLER:	John Sykes
COUNTY:	Franklin
SAMPLE TYPE:	Grab
SAMPLE COLLECTED:	9:30 a.m. 10/16/91
SAMPLE RECEIVED:	10/16/91

ANALYSIS

LABORATORY LOG No: 5537-150

Component (Units)	Result	Method	Analyst	Date
Paint Filter				
Free Liquid	FAIL	SW846 9095	TV	10/17/91
Ignitability				
Flashpoint (F)	>200	SW846 1010	ST	10/18/91
Corrosivity				
pH (S.U.)	7.8	SW846 9045	TV	10/17/91
Reactivity				
Sulfide (mg/l)	< 1.0	SW846 9030	ST	10/18/91
Cyanide (mg/l)	< 0.020	SW846 9010	BE	10/18/91
Copper, TCLP (mg/l)	171.0	1311/7210	KA	10/18/91
Zinc, TCLP (mg/l)	53.0	1311/7950	KA	10/18/91

TCLP Methodology: TCLP extraction by SW846 1311. Volatiles by SW846 8240. Semi-volatiles by SW846 8270. Metals by AA.

Springfield Environmental Inc.

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Lockwood Laboratories

TCLP LABORATORY ANALYSIS RESULTS

ATTN JOHN H SYKES
COLUMBUS COATED FABRICS
P O BOX 208
COLUMBUS OH 43201

Report Date: 10/24/91

SAMPLE ID: PR-100 STRIP # 700 LOG #: 5537-150
METALS ANALYST: Karen Anderson METALS ANALYZED: 10/18/91
ORGANICS ANALYST: Mike Schmidt ORGANICS ANALYZED: 10/23/91
METHODOLOGY: Volatiles by 8240, Semi-volatiles by 8270.

ANALYSIS

EPA HW NUMBER	CONTAMINANT	REGULATORY LEVEL(mg/l)	RESULTS(mg/l)
D004	Arsenic	5.0	< 0.002
D005	Barium	100.0	< 0.200
D018	Benzene	0.5	< 0.050
D006	Cadmium	1.0	0.178
D019	Carbon Tetrachloride	0.5	< 0.050
D021	Chlorobenzene	100.0	< 0.050
D022	Chloroform	6.0	< 0.050
D007	Chromium	5.0	4.966
D023	o-Cresol	200.0	< 0.200
D024	m-Cresol	200.0	< 0.200
D025	p-Cresol	200.0	< 0.200
D026	Cresol	200.0	< 0.200
D027	1,4-Dichlorobenzene	7.5	< 0.050
D028	1,2-Dichloroethane	0.5	< 0.050
D029	1,1-Dichloroethylene	0.7	< 0.050
D030	2,4-Dinitrotoluene	0.13	< 0.050
D032	Hexachlorobenzene	0.13	< 0.050
D033	Hexachlorobutadiene	0.5	< 0.050
D034	Hexachloroethane	3.0	< 0.050
D008	Lead	5.0	2.320
D009	Mercury	0.2	< 0.002
D035	Methyl ethyl ketone	200.0	< 0.100
D036	Nitrobenzene	2.0	< 0.050
D037	Pentachlorophenol	100.0	< 0.050
D038	Pyridine	5.0	< 0.050
D010	Selenium	1.0	< 0.002
D011	Silver	5.0	0.022
D039	Tetrachloroethylene	0.7	< 0.050
D040	Trichloroethylene	0.5	< 0.050
D041	2,4,5-Trichlorophenol	400.0	< 0.050
D042	2,4,6-Trichlorophenol	2.0	< 0.050
D043	Vinyl chloride	0.2	< 0.100

Springfield Environmental Inc.

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Lockwood Laboratories

LABORATORY ANALYSIS RESULTS

ATTN JOHN H SYKES
COLUMBUS COATED FABRICS
1280 N GRANT AVE
COLUMBUS OH 43201

Report Date: 10/23/91

Report Released By:

Ed Lockwood Jr.

Ed Lockwood Jr., Pres.
P.O. Box 2728
1001 East St.
Springfield, OH 45501
513-324-8001

SAMPLE ID:	**Chromic Acid Soaked Rags # 699**
SAMPLER:	John Sykes
COUNTY:	Franklin
SAMPLE TYPE:	Grab
SAMPLE COLLECTED:	9:30 a.m. 10/16/91
SAMPLE RECEIVED:	10/16/91

ANALYSIS

LABORATORY LOG No: 5536-150

Component (Units)	Result	Method	Analyst	Date
Paint Filter				
Free Liquid	PASS	SW846 9095	TV	10/17/91
Ignitability				
Flashpoint (F)	>200	SW846 1010	ST	10/18/91
Corrosivity				
pH (S.U.)	5.8	SW846 9045	TV	10/17/91
Reactivity				
Sulfide (mg/kg)	< 1.0	SW846 9030	ST	10/18/91
Cyanide (mg/kg)	< 1.0	SW846 9010	BE	10/18/91
Copper, TCLP (mg/l)	306.0	1311/7210	KA	10/18/91
Zinc, TCLP (mg/l)	10.8	1311/7950	KA	10/18/91

TCLP Methodology: TCLP extraction by SW846 1311. Volatiles by SW846 8240. Semi-volatiles by SW846 8270. Metals by AA.

Springfield Environmental Inc.

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Lockwood Laboratories

TCLP LABORATORY ANALYSIS RESULTS

ATTN JOHN H SYKES
COLUMBUS COATED FABRICS
P O BOX 208
COLUMBUS OH 43201

Report Date: 10/23/91

SAMPLE ID: **CHROMIC RAGS # 699** LOG #: 5536-150
METALS ANALYST: Karen Anderson METALS ANALYZED: 10/18/91
ORGANICS ANALYST: Mike Schmidt ORGANICS ANALYZED: 10/22/91
METHODOLOGY: Volatiles by 8240, Semi-volatiles by 8270.

ANALYSIS

EPA HW NUMBER	CONTAMINANT	REGULATORY LEVEL(mg/l)	RESULTS(mg/l)
D004	Arsenic	5.0	< 0.002
D005	Barium	100.0	< 0.200
D018	Benzene	0.5	< 0.050
D006	Cadmium	1.0	0.085
D019	Carbon Tetrachloride	0.5	< 0.050
D021	Chlorobenzene	100.0	< 0.050
D022	Chloroform	6.0	< 0.050
D007	Chromium	5.0	**2615.0**
D023	o-Cresol	200.0	< 0.200
D024	m-Cresol	200.0	< 0.200
D025	p-Cresol	200.0	< 0.200
D026	Cresol	200.0	< 0.200
D027	1,4-Dichlorobenzene	7.5	< 0.050
D028	1,2-Dichloroethane	0.5	< 0.050
D029	1,1-Dichloroethylene	0.7	< 0.050
D030	2,4-Dinitrotoluene	0.13	< 0.050
D032	Hexachlorobenzene	0.13	< 0.050
D033	Hexachlorobutadiene	0.5	< 0.050
D034	Hexachloroethane	3.0	< 0.050
D008	Lead	5.0	< 0.100
D009	Mercury	0.2	< 0.002
D035	Methyl ethyl ketone	200.0	< 0.100
D036	Nitrobenzene	2.0	< 0.050
D037	Pentachlorophenol	100.0	< 0.050
D038	Pyridine	5.0	< 0.050
D010	Selenium	1.0	< 0.002
D011	Silver	5.0	0.059
D039	Tetrachloroethylene	0.7	< 0.050
D040	Trichloroethylene	0.5	< 0.050
D041	2,4,5-Trichlorophenol	400.0	< 0.050
D042	2,4,6-Trichlorophenol	2.0	< 0.050
D043	Vinyl chloride	0.2	< 0.100

Springfield Environmental Inc.

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Lockwood Laboratories

LABORATORY ANALYSIS RESULTS

ATTN JOHN H SYKES
COLUMBUS COATED FABRICS
1280 N GRANT AVE
COLUMBUS OH 43201

Report Date: 10/22/91

Report Released By:

Ed Lockwood Jr.

Ed Lockwood Jr., Pres.
P.O. Box 2728
1001 East St.
Springfield, OH 45501
513-324-8001

SAMPLE ID:	**Muriatic Acid Soaked Rags #698**
SAMPLER:	John Sykes
COUNTY:	Franklin
SAMPLE TYPE:	Grab
SAMPLE COLLECTED:	9:30 a.m. 10/16/91
SAMPLE RECEIVED:	10/16/91

ANALYSIS

LABORATORY LOG No: 5535-150

Component (Units)	Result	Method	Analyst	Date
Paint Filter				
Free Liquid	PASS	SW846 9095	TV	10/17/91
Ignitability				
Flashpoint (F)	>200	SW846 1010	TV	10/18/91
Corrosivity				
pH (S.U.)	< 2.0	SW846 9045	TV	10/17/91
Reactivity				
Sulfide (mg/kg)	< 1.0	SW846 9030	ST	10/18/91
Cyanide (mg/kg)	< 1.0	SW846 9010	BE	10/18/91
Copper, TCLP (mg/l)	4.82	1311/7210	KA	10/18/91
Zinc, TCLP (mg/l)	107.80	1311/7950	KA	10/18/91

TCLP Methodology: TCLP extraction by SW846 1311. Volatiles by SW846 8240. Semi-volatiles by SW846 8270. Metals by AA.

Springfield Environmental Inc.

&

Lockwood Laboratories

TCLP LABORATORY ANALYSIS RESULTS

ATTN JOHN H SYKES
COLUMBUS COATED FABRICS
P O BOX 208
COLUMBUS OH 43201

Report Date: 10/22/91

SAMPLE ID: **MURIATIC RAGS # 698** LOG #: 5535-150
METALS ANALYST: Karen Anderson METALS ANALYZED: 10/18/91
ORGANICS ANALYST: Mike Schmidt ORGANICS ANALYZED: 10/21/91
METHODOLOGY: Volatiles by 8240, Semi-volatiles by 8270.

ANALYSIS

EPA HW NUMBER	CONTAMINANT	REGULATORY LEVEL(mg/l)	RESULTS(mg/l)
D004	Arsenic	5.0	< 0.002
D005	Barium	100.0	0.500
D018	Benzene	0.5	< 0.050
D006	Cadmium	1.0	0.084
D019	Carbon Tetrachloride	0.5	< 0.050
D021	Chlorobenzene	100.0	< 0.050
D022	Chloroform	6.0	< 0.050
D007	Chromium	5.0	**521.9**
D023	o-Cresol	200.0	< 0.200
D024	m-Cresol	200.0	< 0.200
D025	p-Cresol	200.0	< 0.200
D026	Cresol	200.0	< 0.200
D027	1,4-Dichlorobenzene	7.5	< 0.050
D028	1,2-Dichloroethane	0.5	< 0.050
D029	1,1-Dichloroethylene	0.7	< 0.050
D030	2,4-Dinitrotoluene	0.13	< 0.050
D032	Hexachlorobenzene	0.13	< 0.050
D033	Hexachlorobutadiene	0.5	< 0.050
D034	Hexachloroethane	3.0	< 0.050
D008	Lead	5.0	0.313
D009	Mercury	0.2	< 0.002
D035	Methyl ethyl ketone	200.0	< 0.100
D036	Nitrobenzene	2.0	< 0.050
D037	Pentachlorophenol	100.0	< 0.050
D038	Pyridine	5.0	< 0.050
D010	Selenium	1.0	< 0.002
D011	Silver	5.0	0.043
D039	Tetrachloroethylene	0.7	< 0.050
D040	Trichloroethylene	0.5	< 0.050
D041	2,4,5-Trichlorophenol	400.0	< 0.050
D042	2,4,6-Trichlorophenol	2.0	< 0.050
D043	Vinyl chloride	0.2	< 0.100

COLUMBUS COATED FABRICS
TCLP PESTICIDES
645 CHROMIC RAGS/SLUDGE

SLI# 17744

COMPOUND	CONCENTRATION MG/L
ENDRIN	<0.0001
LINDANE	<0.0001
METHOXYCHLOR	<0.001
TOXAPHENE	<0.001
2,4-D	<0.01
2,4,5-TP SILVEX	<0.001

COLUMBUS COATED FABRICS
TCLP ORGANICS
645 CHROMIC RAGS/SLUDGE

SLI# 17744

COMPOUND	CONCENTRATION MG/L
BENZENE	<0.01
CARBON TETRACHLORIDE	<0.01
CHLORDANE	<0.01
CHLOROBENZENE	<0.01
CHLOROFORM	<0.01
m-CRESOL	<0.01
o-CRESOL	<0.01
p-CRESOL	<0.01
1,4-DICHLOROBENZENE	<0.01
1,2-DICHLOROETHANE	<0.01
1,1-DICHLOROETHYLENE	<0.01
2,4-DINITROTOLUENE	<0.01
HEPTACHLOR	<0.005
HEPTACHLOR HYDROXIDE	<0.01
HEXACHLORO-1,3-BUTADIENE	<0.01
HEXACHLOROBENZENE	<0.01
HEXACHLOROETHANE	<0.01
METHYL ETHYL KETONE	<0.05
NITROBENZENE	<0.01
PENTACHLOROPHENOL	<0.03
PYRIDINE	<0.01
TETRACHLOROETHYLENE	<0.01
TRICHLOROETHYLENE	<0.01
2,4,5-TRICHLOROPHENOL	<0.01
2,4,6-TRICHLOROPHENOL	<0.01
VINYL CHLORIDE	<0.01

SULFIDE	<5	MG/KG

PROJECT MANAGER _____
TODD W. STOUT

STILSON LABORATORIES, INC.
170 NORTH HIGH STREET
COLUMBUS OHIO 43215
PHONE - 614-228-2900

BORDEN INC.-COLS. COATED FABRICS
1280 N. GRANT AVE.
COLUMBUS, OHIO 43201
ATTN: MR.WILLIAM ILG

LAB NO. 17744
JOB 903335
DATE November 30, 1990

LOCATION COLLECTED CCF 645 CHROMIC RAGS/SLUDGE

PRESERVATIVES USED

DATE COLLECTED - - -September 5, 1990

TIME COLLECTED - - - 0

DATE RECEIVED - - - September 14, 1990

Test	Result	Unit
METALS	COMPLETE	
TCLP - ZHE EXTRACTION	COMPLETE	
TCLP - EXTRACTION	COMPLETE	
ARSENIC-TCLP	<0.005	MG/L
BARIUM-TCLP	<0.2	MG/L
CADMIUM-TCLP	<0.01	MG/L
CHROMIUM-TCLP	397	MG/L
LEAD-TCLP	<0.03	MG/L
MERCURY-TCLP	<0.0002	MG/L
SELENIUM-TCLP	0.008	MG/L
SILVER-TCLP	0.15	MG/L
TCLP - PESTICIDES	COMPLETE	
TCLP - ORGANICS	COMPLETE	
CORROSIVITY	4.11	PH-SU
IGNITABILITY	>150 NF	F
CYANIDE, TOTAL	3.2	MG/KG

LABORATORY RESULTS

RCP, INC.
2246 S. HAMILTON ROAD
P.O. BOX 32454
COLUMBUS, OHIO 43232
(614) 864-6123

SAMPLE NO.	90-0583
DATE RECEIVED	08-14-1990
DATE OF REPORT	09-18-1990
PAGE	2

CLIENT INFORMATION

Columbus Coated Fabrics

COMPANY NO. 101

SAMPLE IDENTIFICATION/DESCRIPTION

DN-14 Solid Urethane
CCF #644

ANALYSIS	RESULTS	UNITS	METHOD
1,4-Dichlorobenzene	< 0.05	mg/l	SW-846 / 8270
1,2-Dichloroethane	< 0.005	mg/l	SW-846 / 8240
1,1-Dichloroethylene	< 0.005	mg/l	SW-846 / 8240
2,4-Dinitrotoluene	< 0.05	mg/l	SW-846 / 8270
Endrin	< 0.02	mg/l	SW-846 / 8080
Heptachlor (and its hyroxide)	< 0.008	mg/l	SW-846 / 8080
Hexachlorobenzene	< 0.05	mg/l	SW-846 / 8270
Hexachloro-1,3-butadiene	< 0.05	mg/l	SW-846 / 8270
Hexachloroethane	< 0.05	mg/l	SW-846 / 8270
Lindane	< 0.4	mg/l	SW-846 / 8080
Methoxychlor	<10.0	mg/l	SW-846 / 8080
Pentachlorophenol	< 0.25	mg/l	SW-846 / 8270
Toxaphene	< 0.5	mg/l	SW-846 / 8080
2,4,5-Trichlorophenol	< 0.25	mg/l	SW-846 / 8270
2,4,6-Trichlorophenol	< 0.05	mg/l	SW-846 / 8270
2,4,5-TP (Silvex)	< 1.00	mg/l	SW-846 / 8080
Vinyl Chloride	< 0.01	mg/l	SW-846 / 8240

DP#_____

Respectfully Alex Alexander
Laboratory Manager

LABORATORY RESULTS

RCP, INC.
2246 S. HAMILTON ROAD
P.O. BOX 32454
COLUMBUS, OHIO 43232
(614) 864-6123

SAMPLE NO.	90-0583
DATE RECEIVED	08-14-1990
DATE OF REPORT	09-18-1990
PAGE	1

CLIENT INFORMATION

Cols. Coated Fabrics
P.O. Box 208
Columbus, OH 43216
William Ilg

COMPANY NO. 101

SAMPLE IDENTIFICATION/DESCRIPTION

DN-14 Solid Urethane
CCF #644

ANALYSIS	RESULTS	UNITS	METHOD
Landfill Ban Constituents-TCLP			
Carbon Tetrachloride	< 0.005	mg/l	SW-846 / 8240
Chlorobenzene	< 0.005	mg/l	SW-846 / 8240
Chloroform	< 0.005	mg/l	SW-846 / 8240
o-Cresol	< 0.25	mg/l	SW-846 / 8270
m-Cresol	< 0.25	mg/l	SW-846 / 8270
p-Cresol	< 0.25	mg/l	SW-846 / 8270
Cresol	< 0.25	mg/l	SW-846 / 8270
Methyl Ethyl Ketone	0.062	mg/l	SW-846 / 8240
Nitrobenzene	< 0.05	mg/l	SW-846 / 8270
Pyridine	< 0.25	mg/l	SW-846 / 8270
Tetrachloroethylene	< 0.1	mg/l	SW-846 / 8240
Trichloroethylene	< 0.5	mg/l	SW-846 / 8240
Arsenic	< 0.001	mg/l	SW-846 / 7061
Barium	0.001	mg/l	SW-846 / 7081
Cadmium	0.053	mg/l	SW-846 / 7131
Chromium Total	< 0.001	mg/l	SW-846 / 7191
Lead	0.192	mg/l	SW-846 / 7421
Mercury	0.003	mg/l	SW-846 / 7471
Selenium	0.001	mg/l	SW-846 / 7740
Silver	0.001	mg/l	SW-846 / 7761
Benzene	< 0.005	mg/l	SW-846 / 8240
Chlordane	< 0.03	mg/l	SW-846 / 8080
2,4-D	<10.0	mg/l	SW-846 / 8080

LABORATORY RESULTS

RCP, INC.
2246 S. HAMILTON ROAD
P.O. BOX 32454
COLUMBUS, OHIO 43232
(614) 864-6123

SAMPLE NO.	90-0581
DATE RECEIVED	08-14-1990
DATE OF REPORT	09-18-1990
PAGE	2

CLIENT INFORMATION

Columbus Coated Fabrics

COMPANY NO. 101

SAMPLE IDENTIFICATION/DESCRIPTION

HS-33 Urethane; Water Base Ink
CCF #642

ANALYSIS	RESULTS	UNITS	METHOD
Arsenic	< 0.001	mg/l	SW-846 / 7061
Barium	0.004	mg/l	SW-846 / 7081
Cadmium	0.005	mg/l	SW-846 / 7131
Chromium Total	< 0.001	mg/l	SW-846 / 7191
Lead	0.001	mg/l	SW-846 / 7421
Mercury	0.004	mg/l	SW-846 / 7471
Selenium	0.001	mg/l	SW-846 / 7740
Silver	< 0.001	mg/l	SW-846 / 7761
Benzene	< 0.005	mg/l	SW-846 / 8240
Chlordane	< 0.03	mg/l	SW-846 / 8080
2,4-D	<10.0	mg/l	SW-846 / 8080
1,4-Dichlorobenzene	< 0.05	mg/l	SW-846 / 8270
1,2-Dichloroethane	< 0.005	mg/l	SW-846 / 8240
1,1-Dichloroethylene	< 0.005	mg/l	SW-846 / 8240
2,4-Dinitrotoluene	< 0.05	mg/l	SW-846 / 8270
Endrin	< 0.02	mg/l	SW-846 / 8080
Heptachlor (and its hyroxide)	< 0.008	mg/l	SW-846 / 8080
Hexachlorobenzene	< 0.05	mg/l	SW-846 / 8270
Hexachloro-1,3-butadiene	< 0.05	mg/l	SW-846 / 8270
Hexachloroethane	< 0.05	mg/l	SW-846 / 8270
Lindane	< 0.4	mg/l	SW-846 / 8080
Methoxychlor	<10.0	mg/l	SW-846 / 8080
Pentachlorophenol	< 0.25	mg/l	SW-846 / 8270
Toxaphene	< 0.5	mg/l	SW-846 / 8080
2,4,5-Trichlorophenol	< 0.25	mg/l	SW-846 / 8270
2,4,6-Trichlorophenol	< 0.05	mg/l	SW-846 / 8270
2,4,5-TP (Silvex)	< 1.00	mg/l	SW-846 / 8080
Vinyl Chloride	< 0.01	mg/l	SW-846 / 8240

DP#_____

Respectfully

Laboratory Manager

LABORATORY RESULTS

RCP, INC.
2246 S. HAMILTON ROAD
P.O. BOX 32454
COLUMBUS, OHIO 43232
(614) 864-6123

SAMPLE NO.	90-0581
DATE RECEIVED	08-14-1990
DATE OF REPORT	09-18-1990
PAGE	1

CLIENT INFORMATION

Cols. Coated Fabrics
P.O. Box 208
Columbus, OH 43216
William Ilg

COMPANY NO. 101

SAMPLE IDENTIFICATION/DESCRIPTION
HS-33 Urethane; Water Base Ink
CCF #642

ANALYSIS	RESULTS	UNITS	METHOD
Landfill Ban Constituents-TCLP			
Carbon Tetrachloride	< 0.005	mg/l	SW-846 / 8240
Chlorobenzene	< 0.005	mg/l	SW-846 / 8240
Chloroform	< 0.005	mg/l	SW-846 / 8240
o-Cresol	< 0.25	mg/l	SW-846 / 8270
m-Cresol	< 0.25	mg/l	SW-846 / 8270
p-Cresol	< 0.25	mg/l	SW-846 / 8270
Cresol	< 0.25	mg/l	SW-846 / 8270
Methyl Ethyl Ketone	< 0.005	mg/l	SW-846 / 8240
Nitrobenzene	< 0.05	mg/l	SW-846 / 8270
Pyridine	< 0.25	mg/l	SW-846 / 8270
Tetrachloroethylene	< 0.1	mg/l	SW-846 / 8240
Trichloroethylene	< 0.5	mg/l	SW-846 / 8240

LABORATORY RESULTS

RCP, INC.
2246 S. HAMILTON ROAD
P.O. BOX 32454
COLUMBUS, OHIO 43232
(614) 864-6123

SAMPLE NO.	90-0568
DATE RECEIVED	08-10-1990
DATE OF REPORT	09-18-1990
PAGE	2 of 2

CLIENT INFORMATION

Cols. Coated Fabrics

COMPANY NO. 101

SAMPLE IDENTIFICATION/DESCRIPTION

Pan Wash Solids; CCF #637
Collected 8/9/90

ANALYSIS	RESULTS	UNITS	METHOD
1,4-Dichlorobenzene	< 0.05	mg/l	SW-846 / 8270
1,2-Dichloroethane	< 0.005	mg/l	SW-846 / 8240
1,1-Dichloroethylene	< 0.005	mg/l	SW-846 / 8240
2,4-Dinitrotoluene	< 0.05	mg/l	SW-846 / 8270
Endrin	< 0.02	mg/l	SW-846 / 8080
Heptachlor (and its hyroxide)	< 0.008	mg/l	SW-846 / 8080
Hexachlorobenzene	< 0.05	mg/l	SW-846 / 8270
Hexachloro-1,3-butadiene	< 0.05	mg/l	SW-846 / 8270
Hexachloroethane	< 0.05	mg/l	SW-846 / 8270
Lindane	< 0.4	mg/l	SW-846 / 8080
Methoxychlor	<10.	mg/l	SW-846 / 8080
Pentachlorophenol	< 0.25	mg/l	SW-846 / 8270
Toxaphene	< 0.5	mg/l	SW-846 / 8080
2,4,5-Trichlorophenol	< 0.25	mg/l	SW-846 / 8270
2,4,6-Trichlorophenol	< 0.05	mg/l	SW-846 / 8270
2,4,5-TP (Silvex)	< 1.0	mg/l	SW-846 / 8080
Vinyl Chloride	< 0.01	mg/l	SW-846 / 8240

DP# 8-1-90 8-17-90
9-1-90 9-15-90

Respectfully

Laboratory Manager

LABORATORY RESULTS

RCP, INC.
2246 S. HAMILTON ROAD
P.O. BOX 32454
COLUMBUS, OHIO 43232
(614) 864-6123

SAMPLE NO.	90-0568
DATE RECEIVED	08-10-1990
DATE OF REPORT	09-18-1990
PAGE	1 of 2

CLIENT INFORMATION

Cols. Coated Fabrics
P.O. Box 208
Columbus, OH 43216
William Ilg

COMPANY NO. 101

SAMPLE IDENTIFICATION/DESCRIPTION

Pan Wash Solids; CCF #637
Collected 8/9/90

ANALYSIS	RESULTS	UNITS	METHOD
Landfill Ban Constituents-TCLP			
Carbon Tetrachloride	<0.005	mg/l	SW-846 / 8240
Chlorobenzene	< 0.005	mg/l	SW-846 / 8240
Chloroform	< 0.005	mg/l	SW-846 / 8240
o-Cresol	< 0.25	mg/l	SW-846 / 8270
m-Cresol	< 0.25	mg/l	SW-846 / 8270
p-Cresol	< 0.25	mg/l	SW-846 / 8270
Cresol	< 0.25	mg/l	SW-846 / 8270
Methyl Ethyl Ketone	4.85	mg/l	SW-846 / 8240
Nitrobenzene	< 0.05	mg/l	SW-846 / 8270
Pyridine	< 0.25	mg/l	SW-846 / 8270
Tetrachloroethylene	< 0.1	mg/l	SW-846 / 8240
Trichloroethylene	< 0.5	mg/l	SW-846 / 8240
Arsenic	0.015	mg/l	SW-846 / 7061
Barium	0.592	mg/l	SW-846 / 7081
Cadmium	0.173	mg/l	SW-846 / 7131
Chromium Total	0.190	mg/l	SW-846 / 7191
Lead	8.025	mg/l	EPA 600 / 236
Mercury	0.003	mg/l	SW-846 / 7471
Selenium	0.001	mg/l	SW-846 / 7740
Silver	0.005	mg/l	SW-846 / 7761
Benzene	< 0.005	mg/l	SW-846 / 8240
Chlordane	< 0.03	mg/l	SW-846 / 8080
2,4-D	<10.0	mg/l	SW-846 / 8080

LABORATORY RESULTS

RCP, INC.
2246 S. HAMILTON ROAD
P.O. BOX 32454
COLUMBUS, OHIO 43232
(614) 864-6123

SAMPLE NO.	90-0567
DATE RECEIVED	08-10-1990
DATE OF REPORT	09-18-1990
PAGE	2

CLIENT INFORMATION

Cols. Coated Fabrics

COMPANY NO. 101

SAMPLE IDENTIFICATION/DESCRIPTION

Pan Wash Sludge, 2 Phases, CCF #636, Col. 8/9/90

ANALYSIS	RESULTS	UNITS	METHOD
1,4-Dichlorobenzene	< 0.05	mg/l	SW-846 / 8270
1,2-Dichloroethane	< 0.005	mg/l	SW-846 / 8240
1,1-Dichloroethylene	< 0.005	mg/l	SW-846 / 8240
2,4-Dinitrotoluene	< 0.05	mg/l	SW-846 / 8270
Endrin	< 0.02	mg/l	SW-846 / 8080
Heptachlor (and its hyroxide)	< 0.008	mg/l	SW-846 / 8080
Hexachlorobenzene	< 0.05	mg/l	SW-846 / 8270
Hexachloro-1,3-butadiene	< 0.05	mg/l	SW-846 / 8270
Hexachloroethane	< 0.05	mg/l	SW-846 / 8270
Lindane	< 0.4	mg/l	SW-846 / 8080
Methoxychlor	<10.0	mg/l	SW-846 / 8080
Pentachlorophenol	< 0.25	mg/l	SW-846 / 8270
Toxaphene	< 0.5	mg/l	SW-846 / 8080
2,4,5-Trichlorophenol	< 0.25	mg/l	SW-846 / 8270
2,4,6-Trichlorophenol	< 0.05	mg/l	SW-846 / 8270
2,4,5-TP (Silvex)	< 1.00	mg/l	SW-846 / 8080
Vinyl Chloride	< 0.01	mg/l	SW-846 / 8240

DP# 8-1-90 8-17-90
9-1-90 9-15-90

Respectfully

Laboratory Manager

LABORATORY RESULTS

RCP, INC.
2246 S. HAMILTON ROAD
P.O. BOX 32454
COLUMBUS, OHIO 43232
(614) 864-6123

SAMPLE NO.	90-0567
DATE RECEIVED	08-10-1990
DATE OF REPORT	09-18-1990
PAGE	1

CLIENT INFORMATION

Cols. Coated Fabrics
P.O. Box 208
Columbus, OH 43216
William Ilg

COMPANY NO. 101

SAMPLE IDENTIFICATION/DESCRIPTION

Pan Wash Sludge, 2 Phases,
CCF #636, Col. 8/9/90

ANALYSIS	RESULTS	UNITS	METHOD
Landfill Ban Constituents-TCLP			
Carbon Tetrachloride	< 0.005	mg/l	SW-846 / 8240
Chlorobenzene	< 0.005	mg/l	SW-846 / 8240
Chloroform	< 0.005	mg/l	SW-846 / 8240
O-Cresol	< 0.25	mg/l	SW-846 / 8270
m-Cresol	< 0.25	mg/l	SW-846 / 8270
p-Cresol	< 0.25	mg/l	SW-846 / 8270
Cresol	< 0.25	mg/l	SW-846 / 8270
Methyl Ethyl Ketone	0.067	mg/l	SW-846 / 8240
Nitrobenzene	< 0.05	mg/l	SW-846 / 8270
Pyridine	< 0.25	mg/l	SW-846 / 8270
Tetrachloroethylene	< 0.1	mg/l	SW-846 / 8240
Trichloroethylene	< 0.5	mg/l	SW-846 / 8240
Arsenic	0.006	mg/l	SW-846 / 7061
Barium	0.294	mg/l	SW-846 / 7081
Cadmium	0.063	mg/l	SW-846 / 7131
Chromium Total	0.110	mg/l	SW-846 / 7191
Lead	8.03	mg/l	SW-846 / 7421
Mercury	0.003	mg/l	SW-846 / 7471
Selenium	0.001	mg/l	SW-846 / 7740
Silver	0.005	mg/l	SW-846 / 7761
Benzene	< 0.005	mg/l	SW-846 / 8240
Chlordane	< 0.03	mg/l	SW-846 / 8080
2,4-D	<10.0	mg/l	SW-846 / 8080

SPCC MODIFICATION LIST

Change #	Equivalent Page Numbers Dec. 1991 SPCC	Equivalent Page Numbers Oct. 1990 SPCC	Type of Change: Add.	Type of Change: Del.	Type of Change: Corr.	Type of Change: Other	Comment	Modif. Class	Reason Change*
1	TOC	TOC				X	Revised to reflect following changes	1	a,b,d
2	Thru–out doc	--				X	Insert Dividers	1	a,b,d
3	1	1	X	X			DELETE: "(7) Contingency Plan (Spill Prevention Control & Counter Measures Plan)" ADD: SECTION I – Description & Location of Facility Operator:	1	b
4	1	1		X			DELETE: "Borden, Inc."	1	a
5	1	1				X	CHANGE: page 1a TO: page 79	1	b
6	1	1				X	CHANGE: "CCF Co. and Surrounding Area." TO: Columbus Coated Fabrics Co. and surrounding area.	1	c
7	1	1				X	CHANGE: plan view–Page 1b and a section view–Page 1c TO: Plan View–Page 80 and a Section View–Page81.	1	b
8	79	1a				X	MOVE: Page 1a TO: Page 79	1	b
9	80	1b				X	MOVE: Page 1b TO: Page 80	1	b
10	81	1c				X	MOVE: Page 1c TO: Page 81	1	b
11	--	2		X			DELETE: entire page	1	b
12	--	3		X			DELETE: "SPCC (SPILL PREVENTION CONTROL & COUNTER–MEASURES) PLAN/CONTINGENCY PLAN–COLUMBUS PLANT OAC 3745–54–52	1	b
13	2	3				X	CHANGE: SECTION I TO: SECTION II	1	b
14	2	3				X	UPDATE: spill information "History of Pollution Incidents Occurring"	1	d

12/18/91

*See Reason Change Code chart---last page.

C:\123R3\SPCC\MODLST01.WK3

SPCC MODIFICATION LIST

Change #	Equivalent Page Numbers Dec. 1991 SPCC	Equivalent Page Numbers Oct. 1990 SPCC	Type of Change Add.	Type of Change Del.	Type of Change Corr.	Type of Change Other	Comment	Modif. Class	Reason Change*
15	3	3				X	CHANGE: SECTION II TO: SECTION III	1	b
16	3	3				X	CHANGE: Page 34b TO: Page 84	1	b
17	3	3				X	CHANGE: "Oil" TO: "hazardous chemicals"	1	d
18	3	3				X	CHANGE: solvent print ink TO: Solvent Print Ink	1	c
19	3	3				X	CHANGE: solvent ink from suppliers TO: Solvent Ink from suppliers	1	c
20	3	3				X	CHANGE: triethylamine TO: Triethylamine	1	c
21	3	3				X	CHANGE: isopropylacetate TO: Isopropylacetate	1	c
22	3	3				X	CHANGE: polyester polyols and polyisocyanates TO: Polyester Polyols and Polyisocyanates	1	c
23	3	4				X	CHANGE: methyl ethyl ketone and methyl isobutyl ketone TO: Methyl Ethyl Ketone and Methyl Isobutyl Ketone	1	c
24	3	4				X	CHANGE: 1000 gallons of NH4CH (28% amonia) in fiberglass tank on R.R. platform. TO: No chemicals are stored in this area at the present time.	1	d
25	3	4		X			DELETE: (2nd Fl.)	1	d
26	3	4				X	CHANGE: PV daub TO: PV coating	1	a
27	3	4		X			DELETE: (R-640; R-43)	1	d
28	4	4				X	CHANGE: 12,500 gallons of in-process waterbased latex coating materials - stored in five 2,500 gallon tanks. TO: Five 2,500 gallon tanks - NOT IN USE	1	d

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*See Reason Change Code chart--last page.

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SPCC MODIFICATION LIST

Change #	Equivalent Page Numbers Dec. 1991 SPCC	Equivalent Page Numbers Oct. 1990 SPCC	Type of Change Add.	Type of Change Del.	Type of Change Corr.	Type of Change Other	Comment	Modif. Class	Reason Change*
29	4	5				X	CHANGE: and/or PV daub in three mixers TO: and/or PV coating in three mixers	1	a
30	4	5				X	CHANGE: 40,000 gallons of raw latex stored in four 10,000 gallon tanks. TO: Four 10,000 gallon tanks – NOT IN USE	1	d
31	--	5		X			DELETE: 2,700 gallons water latex coating material stored in 55 gallon drums. – 2,700 gallons of plastisol coating materials stored in 55 gallon drums.	1	d
32	5	6				X	CHANGE: 5 gallon containers TO: five gallon containers	1	c
33	5	6				X	CHANGE: FN daub in two tanks TO: FN coating in two tanks	1	a
34	--	6		X			DELETE: daub	1	d
35	5	6			X		CORRECT: 55 gallons drums TO: 55 gallon drums	1	c
36	--	6		X			DELETE: daub	1	d
37	8	9				X	CHANGE: Maximum of 450 TO: (Maximum of 450)	1	c
38	8	9	X				ADD: – Chromic Acid Rags & Sludge – D007 – Chromic Acid Soaked Rags – D007 – Drum Wash Residue (High Pressure Water) – D008 – Limestone Sump Plating Residue (Liquid) – F006 – Limestone Sump (Solid) – F006 – Oil Blend Filters (Premix) – D006 – Spent Muriatic Acid – D002 & D0076 – Muriatic Soaked Rags – D007 – Spent Chrome Stripper – D007 – Flammable Ink Residue (Solid/Liquid) – F003 & F005 – Urethane Waste (Solid/Liquid) – D001 & F005	1	d

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*See Reason Change Code chart--last page.

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SPCC MODIFICATION LIST

Change #	Equivalent Page Numbers Dec. 1991 SPCC	Equivalent Page Numbers Oct. 1990 SPCC	Type of Change Add.	Type of Change Del.	Type of Change Corr.	Type of Change Other	Comment	Modif. Class	Reason Change*
38 (Con't.)	8	9	X				ADD: – Plasticizer Residue from dust stop seals – Cadmium contaminated – D006 – Waste Lubricating Oils (Non–Hazardous) – Contaminated Raw Materials (Solid/Liquid) – Waste Waterbase Ink (Non–Hazardous) – Waste Waterbase Urethane Ink (Non–Hazardous)		
39	––	9		X			DELETE: – F005 solid flammable ink residue – Solid Urethane Waste – Liquid triethylamine – Plasticizer residue from dust stop seals – Waste lubricating oils – Contaminated raw materials – solid and liquid	1	d
40	8	9				X	CHANGE: aerodet TO: Aerodet	1	c
41	8	9				X	CHANGE: muriatic acid TO: Muriatic Acid	1	c
42	8	9				X	CHANGE: sulfuric acid TO: Sulfuric Acid	1	c
43	8	9				X	CHANGE: chromic acid TO: Chromic Acid	1	c
44	8	9				X	CHANGE: copper sulfate TO: Copper Sulfate	1	c
45	8	9		X			DELETE: – 35 lbs. copper cyanide – 50 lbs. potassium cyanide	1	d
46	8	9				X	CHANGE: sodium hydroxide TO: Sodium Hydroxide	1	c

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*See Reason Change Code chart––last page.

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SPCC MODIFICATION LIST

Change #	Equivalent Page Numbers Dec. 1991 SPCC	Equivalent Page Numbers Oct. 1990 SPCC	Type of Change Add.	Type of Change Del.	Type of Change Corr.	Type of Change Other	Comment	Modif. Class	Reason Change*
47	8	9				X	CHANGE: anode cleaner TO: Anode Cleaner	1	c
48	8	9				X	CHANGE: naptha TO: Naptha	1	c
49	9	10				X	CHANGE: rust and corrosion preventive TO: Rust and Corrosion Preventive	1	c
50	9	10				X	CHANGE: degreaser TO: Degreaser	1	c
51	9	10				X	CHANGE: non-chlorinated ink stripper TO: Non-Chlorinated Ink Stripper	1	c
52	9	10				X	CHANGE: globrite 200 TO: Globrite 200	1	c
53	9	10				X	CHANGE: non-chlorinated ink remover TO: Non-Chlorinated Ink Remover	1	c
54	9	10				X	CHANGE: gear and hydraulic oil TO: Gear and Hydraulic Oil	1	c
55	9	10	X				ADD: (See location of Plating bath in map detail on page 84)	1	b
56	9	10				X	CHANGE: copper plating bath TO: Copper Plating Bath	1	c
57	9	10				X	CHANGE: (CP-19) TO: CP019	1	c
58	9	10				X	CHANGE: copper plating bath TO: Copper Plating Bath	1	c
59	9	10				X	CHANGE: (CP-20) TO: CP020	1	c
60	9	10				X	CHANGE: chrome plating bath TO: Chrome Plating Bath	1	c

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*See Reason Change Code chart--last page.

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SPCC MODIFICATION LIST

Change #	Equivalent Page Numbers Dec. 1991 SPCC	Equivalent Page Numbers Oct. 1990 SPCC	Type of Change Add.	Type of Change Del.	Type of Change Corr.	Type of Change Other	Comment	Modif. Class	Reason Change*
61	9	10				X	CHANGE: (CP−2) TO: CP002	1	c
62	9	10				X	CHANGE: chrome plating bath TO: Chrome Plating Bath	1	c
63	9	10				X	CHANGE: (CP−23) TO: CP023	1	c
64	−−	10		X			DELETE: 5. 245 gallon − cyanide treating bath − mixture of water, copper cyanide, potasssium cyanide and sodium hydroxide. (CP−21)	1	d
65	9	10				X	CHANGE: liquid stabilizer stored in 55 gallon drums TO: Liquid Stabilizer (stored in 55 gallon drums)	1	c
66	−−	11		X			DELETE: Tank #11...	1	d
67	10	11				X	CHANGE: diesel fuel TO: Diesel Fuel	1	c
68	10	11				X	CHANGE: diesel fuel TO: Diesel Fuel	1	c
69	10	11				X	CHANGE: Reclaimed Solvent TO: (Overflow for Spill Protection)	1	d
70	10	11				X	CHANGE: MEK or 50% MEK & 50% Reclaimed Solvent TO: (EMPTY − Standby/Spill Protection)	1	d
71	10	11				X	CHANGE: 50% MEK & 50% Reclaimed Solvent TO: Mineral Spirits	1	d
72	10	11				X	CHANGE: (paraplex G−62) TO: (Epoxidized Soybean Oil)	1	d
73	10	11			X		CORRECT: spelling of Plasticizer (Plasticiser)	1	c
74	10	11				X	CHANGE: (ADMEK 525) TO: (Adipate Polymeric Plasticizer)	1	d
75	10	12				X	CHANGE: (Emery 9720 Plasticizer) TO: (Polymeric Plasticizer)	1	d

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*See Reason Change Code chart−−last page.

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SPCC MODIFICATION LIST

Change #	Equivalent Page Numbers Dec. 1991 SPCC	Equivalent Page Numbers Oct. 1990 SPCC	Type of Change Add.	Type of Change Del.	Type of Change Corr.	Type of Change Other	Comment	Modif. Class	Reason Change*
76	10	12				X	CHANGE: R685 (DINP) TO: NOT IN USE	1	d
77	10	12				X	CHANGE: NOT IN USE TO: R582 (Mixed Alkyl Phthalate)	1	d
78	11	12				X	CHANGE: R−582 (Santicizer 711) TO: R599 (Dioctyl Adipate)	1	d
79	11	12				X	CHANGE: NOT IN USE TO: R685 (DINP)	1	d
80	11	12				X	CHANGE: (Santicizer 711) TO: (Mixed Alkyl Phthalate)	1	d
81	11	12				X	CHANGE: R670 (DIDP) TO: NOT IN USE	1	d
82	11	12				X	CHANGE: R−656 (Santicizer 160) TO: NOT IN USE	1	d
83	11	12				X	CHANGE: R−670 (Di Iso Decyl Phthalate) TO: NOT IN USE	1	d
84	11	12				X	CHANGE: (Santicizer 141) TO: (Phosphate Plasticizer)	1	d
85	11	−−	X				ADD: Tank #78 − 6,000 gallons CS003 (Liquid Nitrogen) − ABOVE GROUND	1	d
86, 87, 88	11	12				X	CHANGE: PVC Resin TO: (PVC Resin)	1	c
89	11	12				X	CHANGE: 170,000 pounds R612 PVC Resin TO: NOT IN USE	1	d
90, 91	11	12				X	CHANGE: PVC Resin TO: (PVC Resin)	1	c
92	12	13					CHANGE: 76 TO: 74	1	d

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*See Reason Change Code chart−−last page.

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SPCC MODIFICATION LIST

Change #	Equivalent Page Numbers Dec. 1991 SPCC	Equivalent Page Numbers Oct. 1990 SPCC	Type of Change Add.	Type of Change Del.	Type of Change Corr.	Type of Change Other	Comment	Modif. Class	Reason Change*
93	12	13				X	CHANGE: Building TO: Buildings	1	c
94	12	13				X	CHANGE: "...bulk raw latex storage and in process latex storage tanks." TO: "...process storage tanks."	1	d
95	13	14				X	CHANGE: 76 TO: 74	1	d
97	13	14		X		X	DELETE: 2. Tank Cars – Tank cars of plasticizer and solvent occasionally unloaded along east side of the property where natural contour of land would contain spill.	1	d
98	13	15				X	CHANGE: or mixes TO: and in–process vats/tanks	1	d
99	14	15		X			DELETE: (other than the cyanide tank):	1	d
100	--	16		X			DELETE: Text of: "2. In the event of a rupture of the cyanide tank:..."	1	d
101	14	16				X	CHANGE: storage drums TO: Storage Drums	1	c
102	14	16				X	CHANGE: Squeezed TO: Squeegeed	1	c
103	15	17				X	CHANGE: Contaminated Water Generated as a Result... TO: Contaminated water generated as a result...	1	c
104	16	18				X	CHANGE: "emergency coordinators listed on pages 30 & 30A" TO: "emergency coordinators listed on page 23"	1	b
105	17	--	X				ADD: (See Section IX, page 39)	1	b
106	17	19				X	CHANGE: delineation TO: determination	1	c
107	--	20		X			DELETE: and area	1	d
108	18	--	X				ADD: and absorbent booms	1	d

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*See Reason Change Code chart--last page.

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SPCC MODIFICATION LIST

Change #	Equivalent Page Numbers Dec. 1991 SPCC	Equivalent Page Numbers Oct. 1990 SPCC	Type of Change Add.	Type of Change Del.	Type of Change Corr.	Type of Change Other	Comment	Modif. Class	Reason Change*
109	18	20				X	CHANGE: Text of: ..."If, in the unlikely event..." thru "...monitored, if necessary." TO: Text of: "...All caution should be exercised..." thru "...should be contacted immediately."	1	d
110	18	20				X	CHANGE: squeezed TO: squeegeed	1	c
111	19	20A				X	CHANGE: Spill Related Equipment Available TO: Spill related equipment available	1	c
112	20	--	X				ADD: and/or absorbent material	1	d
113	20	--	X				ADD: Text of: "...e. A cover plate..." thru "...use absorbent materials in final clean-up."	1	d
114	20	20B				X	CHANGE: The following pages (21 through 27B) contain TO: Page 85 contains	1	b
115	--	20C		X			DELETE: "...as per the following sheets (21 through 27B)	1	b
116	21	--	X				ADD: (see page 85)	1	d
117	21	20C				X	CHANGE: 1) HCl gas would be a major combustion product from mostly the solvent ink residue if burned. TO: 1) HCl gas would be a major combustion product if the solvent ink or off-spec PVC resin is burned.	1	d
118	21	20C				X	CHANGE: There is no TO: There are no	1	c
119	21	20C				X	CHANGE: Smoke masks TO: SCBA	1	d
120	85	21-27				X	RELOCATED: Waste Stream Analyses TO: page 85	1	b
121	--	28		X			DELETE: page	1	b
122	23	29				X	CHANGE: SECTION IV - DEVELOPMENT OF A DISCHARGE CONTINGENCY PLAN TO BE FOLLOWED IN THE EVENT OF A RELEASE SPILL TO: SECTION V - Contingency Plan to be Followed in the Event of a Fire, Release, or Spill	1	d

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*See Reason Change Code chart--last page.

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SPCC MODIFICATION LIST

Change #	Equivalent Page Numbers Dec. 1991 SPCC	Equivalent Page Numbers Oct. 1990 SPCC	Type of Change Add.	Type of Change Del.	Type of Change Corr.	Type of Change Other	Comment	Modif. Class	Reason Change*
123	22	--				X	INSERT: "Table of Contents" page	1	b
124	29	23				X	CHANGE: "Notification procedure (for additional information, see page 30). TO: "A. Emergency Response Notification Procedure for CCF Employees and Security."	1	b
125	--	29-30A		X			DELETE: "1. Columbus Coated Fabrics - Division of Borden Chemical" thru "Office Phone: 614/297-6043"	1	b
126	--	31		X			DELETE: "Emergency Response (Fire or Major Spill)	1	b
127	23	31	X				ADD: "1." to "In the event..."	1	d
128	23	31	X				ADD: "RELEASE, or MAJOR SPILL:"	1	d
129	23	31				X	CHANGE: Dial 221-2345 TO: "Pull alarm"	1	b
130	23	31	X				ADD: "(..., release, or spill)"	1	d
131	23	31	X				ADD: "2." to "Then you will call..."	1	a
132	23	31	X				ADD: "First person on the list..." thru "...regardless of title."	1	a
133	23-26	--	X				INSERT: Modify and Consolidate Call Lists	1	d
134	27-28	--	X				ADD: "B. Agency Functions" thru "appropriate state and city personnel."	1	d
135	29-30	33-33A				X	UPDATE: "EMERGENCY-Notification Procedures" memo	1	b
136	19-20	34				X	MOVE: "B. Containment of Spill" thru "in final clean-up" TO: pages 19-20	1	b
137	--	34				X	DELETE: "SECTION V - BUILDING PLANS" a. General Map #1 - Page 34A b. General Map #2 - Page 34B	1	b

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*See Reason Change Code chart--last page.

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SPCC MODIFICATION LIST

Change #	Equivalent Page Numbers Dec. 1991 SPCC	Equivalent Page Numbers Oct. 1990 SPCC	Type of Change: Add.	Type of Change: Del.	Type of Change: Corr.	Type of Change: Other	Comment	Modif. Class	Reason Change*
138	82–83–84	34a 34b,35				X	MOVE: Page 34a–34b–35 TO: Pages 82–83–84	1	b
139	31	36				X	CHANGE: ON DUTY PERSONNEL ASSIGNMENTS: TO: On Duty Personnel Assignments	1	c
140	31	36				X	CHANGE: SHIFT SUPERINTENDENT TO: Shift Superintendent	1	c
141	31	--	X				ADD: (If the Columbus Fire Department is involved, the Columbus Fire Chief will be in charge).	1	d
142	31	36				X	CHANGE: OPERATING FOREMEN TO: Operating Foreman	1	c
143	31	36				X	CHANGE: (dial 9–221–2345) TO: (dial 9–911)	1	d
144	31	36				X	CHANGE: dial 70 TO: (dial 70)	1	c
145	31	36				X	CHANGE: (call 6050) TO: (dial 6050)	1	c
146	31	36				X	CHANGE: EMERGENCY BRIGADE TO: Emergency Brigade	1	c
147	32	37				X	CHANGE: SHIFT MAINTENANCE FOREMAN TO: Shift Maintenance Foreman	1	c
148	32	37				X	CHANGE: SECURITY GUARDS TO: Security Guards	1	c
149	33	37				X	CHANGE: ON ARRIVAL PERSONNEL OR DAY HOURS ASSIGNMENTS: 1. PLANT MANAGER/DEPARTMENTAL SUPERINTENDENTS TO: On Arrival Personnel or Day Hours Assignments: 1. Plant Manager/Departmental Superintendents	1	c
150	33	38				X	CHANGE: SAFETY/SECURITY MANAGER TO: Safety/Security Manager	1	c

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*See Reason Change Code chart--last page.

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SPCC MODIFICATION LIST

Change #	Equivalent Page Numbers Dec. 1991 SPCC	Equivalent Page Numbers Oct. 1990 SPCC	Type of Change Add.	Type of Change Del.	Type of Change Corr.	Type of Change Other	Comment	Modif. Class	Reason Change*
151	33	38				X	CHANGE: FIRST AID ATTENDANTS TO: First Aid Attendants	1	c
152	33	38				X	CHANGE: PERSONNEL MANAGER TO: Personnel Manager	1	c
153	33	38				X	CHANGE: MAINTENANCE SUPERINTENDENT TO: Maintenance Superintendent	1	c
154	33	38				X	CHANGE: C. AREA 31 (See General Map #2–Page 34b) HAZARDOUS WASTE STORAGE – CONTROL PROCEDURES FOR FIRES TO: Hazardous Waste Storage – Control Procedures for Fire & Explosions Area 31 (See Area & Building No.'s Map – Page 83)	1	b,c,d
155	33	38				X	CHANGE: separate TO: separated	1	c
156	34	39				X	CHANGE: See General Map #1 (Page 34a) TO: See Traffic Patterns Map (Page 82)	1	b
157	34	39				X	CHANGE: Page 16 TO: Page 23	1	b
158	34	--	X				ADD: (See SECTION VIII page 39)	1	b
159	34	--	X				ADD: New Item #7 Text: "If the emergency coordinator..."	1	b
160	35	39A				X	CHANGE: 7. In response... TO: 8. In response...	1	b
161	--	39A		X			DELETE: "These areas will be..." thru "can be reactivated"	1	d
162	36	40				X	CHANGE: VII – EMERGENCY EQUIPMENT TO: SECTION VII – Emergency Equipment	1	b & c
163	36	40				X	CHANGE: Emergency Equipment TO: emergency equipment	1	c
164	36	40				X	CHANGE: Page 20A TO: Page 19	1	b

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*See Reason Change Code chart--last page.

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SPCC MODIFICATION LIST

Change #	Equivalent Page Numbers Dec. 1991 SPCC	Equivalent Page Numbers Oct. 1990 SPCC	Type of Change: Add.	Type of Change: Del.	Type of Change: Corr.	Type of Change: Other	Comment	Modif. Class	Reason Change*
165	37	40				X	CHANGE: VII – EMERGENCY EQUIPMENT TO: SECTION VII – Emergency Equipment	1	c
166	37	40	X				ADD: Hand Pump, Air Pumps	1	d
167	--	40		X			DELETE: Air operated pumps for	1	d
168	37	--	X				ADD: to drums	1	d
169	38	--	X				ADD: spills	1	d
170	38	--	X				ADD: Stored in 55–Gallon Drums Contain the spill	1	d
171	--	41A		X			DELETE: 55–Gallon Drum	1	d
172	38	--	X				ADD: Soak up spills	1	d
173	38	41A				X	CHANGE: Squeeges TO: Squeegees	1	c
174	38	--	X				ADD: Mix sand/absorbants with spilled material and consolidate residue	1	d
175	39	--	X				INSERT: new SECTION VIII – On Site Analytical Capability	1	d
176	42	42				X	CHANGE: VIII – EMERGENCY EVACUATION ROUTES FROM VARIOUS AREAS IN THE FACILITY TO: SECTION IX – Emergency Evacuation Routes from Various Areas in the Facililty	1	a & c
177	43–59	43–53			X		INSERT: Corrected Evacuation Routes	1	b & d
178	60	54				X	CHANGE: IX – WRITTEN REPORT SPECIFICATIONS TO: SECTION X – Written Report Specifications	1	a & c
179	60	54				X	CHANGE: (614) 297–6078 TO: (614) 297–6122	1	d
180–181	60	54				X	CHANGE: Ohio TO: OH	1	c
182	61	--	X				ADD: "CITY NOTIFICATION" page	1	d
183	62	55				X	CHANGE: X – LETTERS OF TRANSMITTAL TO: SECTION XI – Letters of Transmittal	1	a & c
184	62	--	X				ADD: SPCC/RCRA	1	b

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*See Reason Change Code chart--last page.

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SPCC MODIFICATION LIST

Change #	Equivalent Page Numbers Dec. 1991 SPCC	Equivalent Page Numbers Oct. 1990 SPCC	Type of Change Add.	Type of Change Del.	Type of Change Corr.	Type of Change Other	Comment	Modif. Class	Reason Change*
185	62	55				X	CHANGE: eventuallity TO: eventuality	1	c
186	62	55				X	CHANGE: January 25, 1991 TO: December 19, 1991	1	d
187	63–77	--				X	INSERT: new letters	1	d
188	78	--	X				ADD: "SECTION XII – Maps & Building Plans" (also included are the table of contents and appropriate documentation).	1	b

*Reason Change Code Chart
a = administrative
b = organizational
c = spelling/gramatical changes
d = information change/update

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See "Topographic Map and Other Required Maps" - Figure 6

FIGURE 1c

See "Topographic Map and Other Required Maps"- Figure 5

FIGURE 1b

See "Topographical Map"

Part "A" Application

FIGURE 1a

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SPCC (SPILL PREVENTION CONTROL & COUNTER MEASURES) PLAN/CONTINGENCY PLAN - COLUMBUS PLANT OAC 3745-54-52

SECTION I - History of Pollution Incidents Occurring

A. There have been no "spills" resulting in pollution of public waters at Columbus Plant since January, 1973.

SECTION II - Pollution Potential at Plant Site

Area and building numbers noted in this Section - Building Plan, Page 34a.

A. Total quantities of oil and other substances stored at facility.

INSIDE STORAGE

Area 3 - Bldg. 95 -- 10,000 gallons of solvent print ink in 55 gallon drums (satellite storage area awaiting shipment to recycler).

Area 4 - Bldg. 82 -- 5,000 gallons of solvent ink from suppliers.

-- 5,000 gallons of DN-14 process ingredients composed of:

- -- 1,250 gallons of triethylamine raw material
- -- 1,250 gallons of isopropylacetate raw material
- -- 2,500 gallons of polyester polyols and polyisocyanates - coating ingredients for DN-14 process.

Area 5 - Bldg. 23 -- 500 gallons of in-process coating materials for DN-14 process (see above).

— Solvent dispensing station for methyl ethyl ketone and methyl isobutyl ketone mixture into five-gallon safety cans.

Area 6 - Bldg. 15 (2nd Fl.)	— 1,000 gallons of NH_4CH (28% ammonia) in fiberglass tank on R.R. platform.
Area 7 - Bldg. 15 (2nd Fl.)	— 1,800 gallons color pigment for PV daub.
Area 8 - Bldg. 15 (2nd Fl.)	— 3,500 cubic feet of clay, pigments, and PVC resin in bags (R-640; R-43).
Area 9 - Bldg. 6	— 12,500 gallons of in-process water-based latex coating materials - stored in five 2,500 gallon tanks. — 7,500 gallons of either water-based daub or plastisol in-process coating material stored in three 2,500 gallon tanks. — 5,000 gallons in-process PN grinds (pigment and plasticizer) in three storage tanks on third level. — 1,600 gallons of various latex and PVC coating materials in 15 mixers.

— 5,000 gallons water-based latex and/or PV daub in three mixers.

Area 10 - Bldg. 93 (2nd Fl.)
— 40,000 gallons of raw latex stored in four 10,000 gallon tanks.

Area 11 - Bldg. 33 (2nd Fl.)
— 150,000 pounds PVC resins in 50 lb. bags.
— 2,000 gallons of coating material in drums.
— 2,000 gallons of liquid adhesive in drums.
— 2,000 gallons of acrysol in drums.
— 1,600 gallons of emulsion in drums.

Area 12 - Bldg. 38 (2nd Fl.)
— 24,000 lbs. PVC resins in 50 lb. bags and drums.
— Four 250 lb. drums aluminum powder.

Area 13 - Bldg. 38 (1st Fl.)
— 4,000 lbs. PVC resin in 50 lb. bags.
— 160 55 gallon drums (9,000 gallons) adhesives and resins.

Areas 14 & 15 - Bldg. 33 (1st Fl.)
— 2,700 gallons water latex coating material stored in 55 gallon drums.
— 2,700 gallons of plastisol coating materials stored in 55 gallon drums.

— 150 gallons PV daub.

— 18,000 lbs. movable containers of water-based inks.

— 500 gallons water-based ink pigments in 5 gallon containers.

— 28,000 lbs. PN daub in two tanks.

— 2,500 gallons water-based inks.

Area 16 - Bldg. 93 (1st Fl.)

— 3,000 gallons water-based inks stored in movable carts.

Area 17 - Bldg. 35

— 7,300 gallons clear vinyl coating in 55 gallon drums.

— 600 lbs. flitters.

— 2,000 gallons PVC-based adhesive in two storage tanks.

— 500 gallons PVC coating material in two mixers.

— 3,800 gallons vinyl coating material in 55 gallon drums.

Area 18 - Bldg. 58

— 4,300 gallons plastisol coating (PV & VC daub) and clear vinyl resin coating stored in 55 gallon drums.

— 1,600 gallons of plastisol coating (PV & VC daub) and clear vinyl/resin coating in mixers.

Area 19 - Bldg. 85 — Approximately 500,000 lbs. of dry raw materials (pigments, clay, calcium carbonate, PVC resins, dry stabilizer) stored in bags and fiber drums.
— 30,000 lbs. liquid stabilizer.

Area 20 - Bldg. 85 (2nd Fl.) — 3,600 lbs. various plasticizers temporarily stored in in-process weigh tanks.
— 7,000 lbs. of various liquid stabilizers stored in drums and totes.

Area 21 - Bldg. 67 (2nd Fl.) — 2,500 lbs. various liquid plasticizers temporarily stored in holding tank.

Area 22 - Bldg. 85 (2nd Fl.) — 1,800 lbs. of various plasticizers temporarily stored in holding tank.

Area 23 - Bldg. 104 (2nd Fl.) — 1,800 lbs. of various plasticizers temporarily stored in holding tank.
— 3,000 lbs. of various pigments in fiber drums and bags.

Area 24 - Bldg. 109 (2nd Fl.) — 1,800 lbs. of various plasticizers temporarily stored in holding tank.

Area 25 - Bldg. 109 (2nd Fl.) — 50,000 lbs. of clay and calcium carbonate stored in bags.

Area 26 - Bldg. 109 — 10,000 lbs. of various pigments in fiber drums
(2nd Fl.) and bags.

Area 27 - Bldg. 104 — 1,000 gallons lube oil in 55 gallon drums.
(1st Fl.) — 3,600 lbs. lubrication grease.

Area 28 - Bldg. 104 — 5,000 lbs. of resin and pigment in-process
(2nd Fl.) materials.

Area 29 - Bldg. 111 — 2,000 gallons ink pigments in 55 gallon drums and 5 gallon pails.

— 7,000 gallons in-process mixed solvent inks in 55 gallon drums.

— 7,100 lbs. small (200 lb.) portable containers of process solvent inks.

— 21,000 lbs. large (1,500 lb.) portable containers of process solvent inks.

— 220 gallons solvent ink in four 55 gallon drum mixers.

— 1,200 gallons solvent ink in six 200 gallon drum mixers.

Area 30 - Bldg. 86 — 600 gallons water-based ink pigments in 5 gallon pails.

— 2,500 gallons mixed water-based inks in 55 gallon drums.

Area 31 - Bldgs. 37 & 59

- Hazardous Waste

Storage Building — Maximum of 450 - 55 gallon drums of various hazardous wastes:

— F005-solid flammable ink residue

— Solid urethane waste

— Liquid triethylamine

— Plasticizer residue from dust stop seals - cadmium contaminated

— Waste lubricating oils

— Contaminated raw materials - solid and liquid

Area 32 - Bldg. 101 — The following is a list of miscellaneous items stored and used in plating operation:

— 80 gallons aerodet heavy duty cleaner

— 55 gallons muriatic acid

— 26 gallons sulfuric acid

— 500 lbs. chromic acid

— 400 lbs. copper sulfate

— 35 lbs. copper cyanide

— 50 lbs. potassium cyanide

— 150 lbs. sodium hydroxide

— 100 gallons anode cleaner (contains 100 lbs. sodium hydroxide/50 lbs. rochelle salt)

Area 32 (Con't.)

- 55 Gallons Naptha
- 30 Gallons rust and corrosion preventive.
- 20 Gallons degreaser.
- 15 Gallons non-chlorinated ink stripper.
- 55 Gallons Globrite 200 (contains muriatic acid).
- 65 Gallons non-chlorinated ink remover - acidic and mildly corrosive.
- 110 Gallons Gear and Hydraulic oil.

The following is a list of plating baths and quantities.

1. 450 gallon - copper plating bath - mixture of water, copper sulfate and sulfuric acid. (CP-19)
2. 370 gallon - copper plating bath - mixture of water,copper sulfate and sulfuric acid. (CP-20)
3. 378 gallon - chrome plating bath - mixture of water, chromic acid and sulfuric acid. (CP-2)
4. 388 gallon - chrome plating bath - mixture of water, chromic acid and sulfuric acid. (CP-23)
5. 245 gallon - cyanide treating bath - mixture of water copper cyanide, potassium cyanide and sodium hydroxide. (CP-21)

Area 33 (North of Bldg. 85) - 1,500 gallons liquid stabilizer stored in 55 gallon drums

Tank #11 — 10,000 gallons mineral spirits - UNDERGROUND

Tank #16 — 6,100 gallons diesel fuel - ABOVE GROUND

Tank #17 — 6,100 gallons diesel fuel - ABOVE GROUND

Tank #31 — 10,000 gallons MIBK - UNDERGROUND

Tank #32 — 10,000 gallons MEK - UNDERGROUND

Tank #33 — 10,000 gallons Reclaimed Solvent - UNDERGROUND

Tank #34 — 10,000 gallons MEK or 50% MEK & 50% Reclaimed Solvent - UNDERGROUND

Tank #35 — 10,000 gallons 50% MEK & 50% Reclaimed Solvent - UNDERGROUND

Tank #36 — 10,000 gallons 50% MEK & 50% Reclaimed Solvent - UNDERGROUND

Tank #43 — 10,000 gallons R501 (Paraplex G-62) - ABOVE GROUND

Tank #44 — 10,000 gallons R641 (DOP Plasticizer) - ABOVE GROUND

Tank #45 — 10,000 gallons R630 (ADMEX 525) - ABOVE GROUND

Tank #57 — 12,000 gallons R675 (Emery 9720 Plasticizer) - ABOVE GROUND

Tank #58 — 12,000 gallons R685 (DINP) - ABOVE GROUND

Tank #59 — 12,000 gallons - NOT IN USE - ABOVE GROUND

Tank #60 — 12,000 gallons R582 (Santicizer 711) - ABOVE GROUND

Tank #61 — 12,000 gallons - NOT IN USE - ABOVE GROUND

Tank #65 — 10,000 gallons R582 (Santicizer 711) - ABOVE GROUND

Tank #66 — 10,000 gallons R685 (DINP) - ABOVE GROUND

Tank #71 — 5,000 gallons R670 (DIDP) - ABOVE GROUND

Tank #72 — 5,000 gallons R656 (Santicizer 160) - ABOVE GROUND

Tank #73 — 5,000 gallons R670 (Di Iso Decyl Phthalate) - ABOVE GROUND

Tank #74 — 5,000 gallons R676 (Santicizer 141) - ABOVE GROUND

Silo #1 — 225,000 pounds R630 PVC Resin - ABOVE GROUND

Silo #2 — 225,000 pounds R630 PVC Resin - ABOVE GROUND

Silo #3 — 225,000 pounds R630 PVC Resin - ABOVE GROUND

Silo #4 — 170,000 pounds R612 PVC Resin - ABOVE GROUND

Silo #5 — 225,000 pounds R653 PVC Resin - ABOVE GROUND

Silo #6 — 225,000 pounds R612 PVC Resin - ABOVE GROUND

B. Largest Potential Spill -- the greatest potential spill is from tanks numbered 43 to 45, 57 to 66 and 71 to 76. These liquids are all plasticizers which are not highly flammable, but must be considered pollutants should the material get into the sewers. In the event of a spill, these tanks would drain and would be contained on the property due to a concrete and sand bag dike wall constructed around the tanks on the west, south and east sides. The north side is contained by Building Nos. 59 and 64.

A second greatest potential spill is from the tanks numbered 16 and 17, containing 6,100 gallons of diesel fuel each. These tanks are completely diked to contain the total contents of both tanks.

A third greatest potential spill is from the inside bulk raw latex storage and in process latex storage tanks. Spills from these tanks can be contained within the building. If spills are large enough to reach a floor drain, the floor drain can be blocked by using bags of clay or scrap cloth that is available.

C. <u>POTENTIAL CAUSES OF SPILLS</u>

1. Employee negligence - inaccurate inventory and filling tanks to overflowing condition, knocking over drums or puncturing drums, allowing liquids to discharge onto ground and eventually drain into combination storm and sanitary sewer.

2. High winds, tornadoes, explosions, earthquakes, or equipment failure, etc., could cause rupture of tanks or pipe lines, allowing liquid to eventually drain into combination storm and sanitary sewer.

3. Acts of vandalism - tanks could be ruptured maliciously or liquids could be dumped onto the ground into sewer manholes or drains.

SECTION III - SPILL PREVENTION AND CONTAINMENT

A. Exterior Storage

1. Tanks - Diesel Fuel tanks are diked with sufficient area and height to contain entire volume of tanks. Plasticizer Tanks 43 to 45, 57 to 66 and 71 to 76 are not adjacent to storm drains, but they are near to Parker Alley which has a gradual slope toward Fifth Avenue. The tanks are contained by means of a concrete and sand bag dike.

2. Tanks Cars - Tank cars of plasticizer and solvent occasionally unloaded along east side of the property where natural contour of land would contain spill.

3. Tank Trucks - Tank trucks are unloaded at two stations. Each of these areas represents a potential spill area that could eventually drain into the combination storm and sanitary sewers.

A plan has been developed for the unloading site at the north end of the facility which consists of the use of a cover plate and sand bags over a sewer opening. In the event of a spill, it then can be contained by the land contour.

A separate plan has been developed for the unloading site at the south end of the facility which consists of installing a ramp at the exit of Parker Alley plus the use of sand bags and booms (stored in the area) to prevent a potential spill from reaching the sewer opening at Fifth Avenue.

B. Interior Storage

The location of containers or mixes are mostly located in areas without floor drains. Spills from these containers would be small and could be contained inside the building.

C. Plating (Area 32)

1. In the event of a rupture of one of the plating tanks (other than the cyanide tank):

   a. The drain into the sump is to be plugged and the liquid drains into the underfloor trench. This will prevent eventual discharge into the sanitary sewer.

   b. Maintenance will be notified immediately in order to pump the liquid into drums for disposition as per RCRA regulations

2. In the event of a rupture of the cyanide tank:

   a. The liquid will drain into the curbed area surrounding the tank (there is no drain within this curbed area).

   b. Maintenance will be called to pump the liquid contained in the curbed area into hazardous waste drums for disposition as per RCRA regulations.

D. Hazardous Waste Storage Building (Area 31)

1. Because fire is always a potential hazard in spills of flammable materials, possible sources of ignition have been eliminated. Vehicular traffic and hazardous work in the area will cease until the spill is contained and safety is restored.

   a. If spilled material is flammable, the fire brigade will maintain a watch while the spill is removed.

   b. The spill will be pumped with a portable pump from the sump in the storage building into type 17E or 17H Hazardous Waste storage drums (orange).

   c. The drums containing the spilled waste will be manifested out to the appropriate approved Hazardous Waste disposal facility.

   d. Any remaining areas on the floor of the building containing spilled liquid will be squeezed and soaked up with a floor dry type of absorbent and/or an absorbent type pillow.

2. Contaminated Water Generated as a Result of Fire Control

   a. In the event of fire control where quantities of water generated in the storage area are sufficient to exceed the containment capacity - an emergency containment dike of sand and/or adsorbent pads would be placed across the concrete roadway leading away from the hazardous waste storage building.

   b. Contained water will be analyzed to determine if contaminated.

   c. If the contained water is contaminated, it will be drummed into type 17E hazardous waste storage drums (orange) by means of a portable pump and manifested out to the appropriate hazardous waste disposal facility.

3. Determination and identification of hazardous materials involved in an emergency.

   a. If the spill is the result of a drum leak, then the leaking drum can be visually identified from the hazardous waste label affixed in order to determine the type of hazardous material involved. Inspection/operating records will be reviewed and, if necessary, chemical analysis of the spilled material and/or container contents will be conducted.

4. If operating personnel notice any emergency, such as a spill, they will notify their foreman at once and take immediate steps to contain the emergency. If the emergency is a fire, the fire alarm in the area (on exterior wall of Bldg. #36 - within 60 ft. of Hazardous Waste building door) will be activated which alerts the CCF emergency brigade and the City of Columbus Fire Department.

   a. If the emergency is such that it cannot immediately be contained by the operators and foreman, one of the emergency coordinators will be notified by the foreman.

   b. GEORGE RUSINCOVITCH, Emergency Coordinator, or, in his absence, any of the alternate emergency coordinators listed on pages 30 and 30A shall immediately react to the notification of an emergency by proceeding at once to the location of the emergency.

   c. They will assume authority for obtaining and directing the necessary equipment and personnel respectively in order to contain and eliminate the cause of the emergency. If the emergency is a spill, maintenance personnel are notified and dispatched with a portable pump to the emergency area.

d. The emergency Coordinator will have the following resources in order to determine if the emergency situation presents a serious threat to human health inside and outside the facility.

(1) Visual Inspection

(2) On-site Analytical Capabilities

To supplement the on-site capabilities, the emergency coordinator will contract with an outside laboratory. When the delineation of the contamination is not evident, samples will be collected by qualified CCF personnel or by outside contractors. Any release beyond the RQ levels and beyond the boundaries of the facility will be treated as if it presents a threat to health and will cause the emergency coordinator to take any possible mitigating action.

e. In response to a fire, explosion or release, hazardous waste activity will be ceased. The areas will be monitored by the operator for the unlikely occurrence of leaks, pressure build-ups, gas generation and ruptures in pipes or valves, as applicable.

When the emergency is under control and emergency equipment is decontaminated, renovated and returned to its proper location, the Hazardous Waste facility will be reactivated.

5. In the event of an emergency at the Hazardous Waste Storage building and area (such as a fire or a spill), the necessity for evacuation of any of the plant employees will be made on site by the Columbus Coated Fabrics Emergency Coordinator in coordination with the City of Columbus fire personnel. There would be no need to evacuate any residents, as there are none residing in any proximity to the Hazardous Waste area.

6. If a spill emergency is encountered outside of the storage building, there are three locations with emergency sand available that can be used to contain the spill. If, in the unlikely event that the spill is not contained at any of these locations, the only place it could go is the city storm sewer system. This would require no need for evacuation.

   a. In the case of entry into the storm sewer system, the City of Columbus would be notified as soon as practicable within 2 hours of the discovery of the spill and the outfall would be monitored, if necessary.

7. Any spills contained inside the Hazardous Waste storage building (the 4" high ramp will contain any such spill) will be pumped from the existing sump into Hazardous Waste drums. Any residual liquid on the floor will be squeezed into the sump and also pumped into Hazardous Waste drums.

a. Any liquid from exterior spills caught in the sand diked areas will be pumped into Hazardous Waste drums. Shovels will be used to drum any spilled solids.

b. The Hazardous Waste drums will be sent to the appropriate licensed Hazardous Waste landfill.

8. All equipment used during emergency cleanup will be steam cleaned, if required, rinsed and placed in their respective storage areas; this will be done prior to the resumption of operations. Any contaminated wash waters collected from the cleaning will be drummed to Hazardous Waste drums and disposed of at a licensed disposal facility.

a. Any equipment, such as gloves, cloths, contaminated sand, absorbent pads, etc., which may be contaminated beyond the potential for cleaning will be collected, drummed and disposed of to a licensed disposal facility.

Hazardous waste activity will resume only after all hazardous waste is containerized and the area is determined to be clean.

9. Spill Related Equipment Available

a. A portable pump for removal of spills from the sump inside the Hazardous Waste storage building or from emergency diked areas, is stored in the yard adjacent to the Hazardous Waste storage building.

b. Emergency sand is contained in drums at the Hazardous Waste Storage building, unloading dock and the location where the roadway leaves the fenced area.

c. Shovels for distribution of the emergency sand are stored in the vicinity of the drums containing the sand.

d. Squeegees are available in the area for cleaning residual liquids from the affected area.

E. Facility Drainage

All drainage from this facility drains into either a sanitary sewer system or into a separate storm sewer system.

F. Plant Security

All access to the facility is protected by security fence. There is a security guard service in attendance at all times with regular guard tours controlled by ADT security watch, at night, holidays and weekends. The area surrounding the plant is reasonably well lighted.

G. Characteristics and Potential Hazards of Wastes

1. The following pages (21 through 27B) contain the laboratory analyzed characteristics of the normally generated Hazardous Waste Streams.

2. Hazards associated with the Hazardous Wastes

   a. Heavy metals as per the following sheets (21 through 27B) and solvents composed of mostly MEX (Methyl Ethyl Ketone) are contained in the stored Hazardous Wastes.

   b. Occasionally some raw materials, that could be declared a waste, contain flammable solvents.

   c. Other than the wastes noted on the following pages, there is:

      1) HCl gas would be a major combustion product from mostly the solvent ink residue if burned.

      2) The Dust Stop would generate, if burned, some heavy metals in the smoke.

3. There is <u>no</u> secondary hazards beyond those identified in 1 or 2 above.

4. Due to smoke generation and the possibility of heavy metals in the smoke, personnel involved with a fire would take precautionary measures such as wearing of smoke masks consistent with good fire fighting practices.

5. There are no incompatible materials.

6. Additional small quantity wastes generated are tested upon their arrival in the Hazardous Waste building in order to determine their toxicity regarding proper disposal.

RCP, INC.
2246 S. HAMILTON ROAD
P.O. BOX 32454
COLUMBUS, OHIO 43232
(614) 864-6123

LABORATORY RESULT

SAMPLE NO.	90-0582
DATE RECEIVED	08-14-1990
DATE OF REPORT	09-18-1990
PAGE	1

CLIENT INFORMATION

Cols. Coated Fabrics
P.O. Box 208
Columbus, OH 43216
William Ilg

COMPANY NO. 101

SAMPLE IDENTIFICATION/DESCRIPTION

DN-14 Liquid Urethane
CCF #643

ANALYSIS	RESULTS	UNITS	METHOD
Landfill Ban Constituents-TCLP			
Carbon Tetrachloride	< 0.005	mg/l	SW-846 / 8240
Chlorobenzene	< 0.005	mg/l	SW-846 / 8240
Chloroform	< 0.005	mg/l	SW-846 / 8240
o-Cresol	< 0.25	mg/l	SW-846 / 8270
m-Cresol	< 0.25	mg/l	SW-846 / 8270
p-Cresol	< 0.25	mg/l	SW-846 / 8270
Cresol	< 0.25	mg/l	SW-846 / 8270
Methyl Ethyl Ketone	3.31	mg/l	SW-846 / 8240
Nitrobenzene	< 0.05	mg/l	SW-846 / 8270
Pyridine	< 0.25	mg/l	SW-846 / 8270
Tetrachloroethylene	< 0.1	mg/l	SW-846 / 8240
Trichloroethylene	< 0.5	mg/l	SW-846 / 8240
Arsenic	< 0.001	mg/l	SW-846 / 7061
Barium	0.001	mg/l	SW-846 / 7081
Cadmium	0.048	mg/l	SW-846 / 7131
Chromium Total	< 0.001	mg/l	SW-846 / 7191
Lead	0.028	mg/l	SW-846 / 7421
Mercury	0.004	mg/l	SW-846 / 7471
Selenium	0.001	mg/l	SW-846 / 7740 / 270
Silver	0.002	mg/l	SW-846 / 7761
Benzene	< 0.005	mg/l	SW-846 / 8240
Chlordane	< 0.03	mg/l	SW-846 / 8080
[illegible]	<[illegible]	mg/l	SW-846 / 8080

RCP, INC.
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COLUMBUS, OHIO 43232
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LABORATORY RESULT

SAMPLE NO.	90-0582
DATE RECEIVED	08-14-1990
DATE OF REPORT	09-18-1990
PAGE	2

CLIENT INFORMATION

Cols. Coated Fabrics

COMPANY NO. 101

SAMPLE IDENTIFICATION/DESCRIPTION

DN-14 Liquid Urethane
CCF #643

ANALYSIS	RESULTS	UNITS	METHOD
1,4-Dichlorobenzene	< 0.05	mg/l	SW-846 / 8270
1,2-Dichloroethane	< 0.005	mg/l	SW-846 / 8240
1,1-Dichloroethylene	< 0.005	mg/l	SW-846 / 8240
2,4-Dinitrotoluene	< 0.05	mg/l	SW-846 / 8270
Endrin	< 0.02	mg/l	SW-846 / 8080
Heptachlor (and its hydroxide)	< 0.003	mg/l	SW-846 / 8080
Hexachlorobenzene	< 0.05	mg/l	SW-846 / 8270
Hexachloro-1,3-butadiene	< 0.05	mg/l	SW-846 / 8270
Hexachloroethane	< 0.05	mg/l	SW-846 / 8270
Lindane	< 0.4	mg/l	SW-846 / 8080
Methoxychlor	<10.0	mg/l	SW-846 / 8080
Pentachlorophenol	< 0.25	mg/l	SW-846 / 8270
Toxaphene	< 0.5	mg/l	SW-846 / 8080
2,4,5-Trichlorophenol	< 0.25	mg/l	SW-846 / 8270
2,4,6-Trichlorophenol	< 0.05	mg/l	SW-846 / 8270
2,4,5-TP (Silvex)	< 1.00	mg/l	SW-846 / 8080
Vinyl Chloride	< 0.01	mg/l	SW-846 / 8240

CPS _____

Respectfully

Laboratory Manager

STILSON LABORATORIES, INC.
170 NORTH HIGH STREET
COLUMBUS OHIO 43215
PHONE - 614-228-4385

BORDEN INC.-COLS. COATED FABRICS
1250 N. GRANT AVE.
COLUMBUS, OHIO 43201
ATTN: MR.WILLIAM ILG

LAB NO. 2034
JOB 903335
DATE May 24, 1988

LOCATION COLLECTED BORDEN CCF DR.929 NO.377 - DN-14 Liquid

PRESERVATIVES USED

DATE COLLECTED - - -March 16, 1988

TIME COLLECTED - - - 0

DATE RECEIVED - - - March 24, 1988

Test	Result	Unit
IGNITABILITY	94.0	F
EP TOXICITY-OIL	COMPLETE	
ARSENIC-EP	<0.125	MG/KG
BARIUM-EP	<5.0	MG/KG
CADMIUM-EP	<0.25	MG/KG
CHROMIUM-EP	1.25	MG/KG
LEAD-EP	2.75	MG/KG
MERCURY-EP	<0.05	MG/KG
SELENIUM-EP	<0.125	MG/KG
SILVER-EP	<0.50	MG/KG
SOLVENTS	30	PERCENT

PROJECT MANAGER _____
WILSON T. WALKER

RCP, INC.
2246 S. HAMILTON ROAD
P.O. BOX 32454
COLUMBUS, OHIO 43232
(614) 864-6123

LABORATORY RESULTS

SAMPLE NO.	90-0583
DATE RECEIVED	08-14-1990
DATE OF REPORT	09-18-1990
PAGE	1 of 2

CLIENT INFORMATION

Cols. Coated Fabrics
P.O. Box 208
Columbus, OH 43216
William Ilg

COMPANY NO. 101

SAMPLE IDENTIFICATION/DESCRIPTION

DN-14 Solid Urethane
CCF #644

ANALYSIS	RESULTS	UNITS	METHOD
Landfill Ban Constituents-TCLP			
Carbon Tetrachloride	< 0.005	mg/l	SW-846 / 8240
Chlorobenzene	< 0.005	mg/l	SW-846 / 8240
Chloroform	< 0.005	mg/l	SW-846 / 8240
o-Cresol	< 0.25	mg/l	SW-846 / 8270
m-Cresol	< 0.25	mg/l	SW-846 / 8270
p-Cresol	< 0.25	mg/l	SW-846 / 8270
Cresol	< 0.25	mg/l	SW-846 / 8270
Methyl Ethyl Ketone	0.062	mg/l	SW-846 / 8240
Nitrobenzene	< 0.05	mg/l	SW-846 / 8270
Pyridine	< 0.25	mg/l	SW-846 / 8270
Tetrachloroethylene	< 0.1	mg/l	SW-846 / 8240
Trichloroethylene	< 0.5	mg/l	SW-846 / 8240
Arsenic	< 0.001	mg/l	SW-846 / 7061
Barium	0.001	mg/l	SW-846 / 7081
Cadmium	0.053	mg/l	SW-846 / 7131
Chromium Total	< 0.001	mg/l	SW-846 / 7191
Lead	0.192	mg/l	SW-846 / 7421
Mercury	0.003	mg/l	SW-846 / 7471
Selenium	0.001	mg/l	SW-846 / 7740
Silver	0.001	mg/l	SW-846 / 7761
Benzene	< 0.005	mg/l	SW-846 / 8240
Chlordane	< 0.03	mg/l	SW-846 / 8080
2,4-D	<10.0	mg/l	SW-846 / 8080

RCP, INC.
2246 S. HAMILTON ROAD
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LABORATORY RESULT

SAMPLE NO.	90-0583
DATE RECEIVED	08-14-1990
DATE OF REPORT	09-18-1990
PAGE	2

CLIENT INFORMATION

Cols. Coated Fabrics

COMPANY NO. 101

SAMPLE IDENTIFICATION/DESCRIPTION

DN-14 Solid Urethane
CCF #644

ANALYSIS	RESULTS	UNITS	METHOD
1,4-Dichlorobenzene	< 0.05	mg/l	SW-846 / 8270
1,2-Dichloroethane	< 0.005	mg/l	SW-846 / 8240
1,1-Dichloroethylene	< 0.005	mg/l	SW-846 / 8240
2,4-Dinitrotoluene	< 0.05	mg/l	SW-846 / 8270
Endrin	< 0.02	mg/l	SW-846 / 8080
Heptachlor (and its hyroxide)	< 0.008	mg/l	SW-846 / 8080
Hexachlorobenzene	< 0.05	mg/l	SW-846 / 8270
Hexachloro-1,3-butadiene	< 0.05	mg/l	SW-846 / 8270
Hexachloroethane	< 0.05	mg/l	SW-846 / 8270
Lindane	< 0.4	mg/l	SW-846 / 8080
Methoxychlor	<10.0	mg/l	SW-846 / 8080
Pentachlorophenol	< 0.25	mg/l	SW-846 / 8270
Toxaphene	< 0.5	mg/l	SW-846 / 8080
2,4,5-Trichlorophenol	< 0.25	mg/l	SW-846 / 8270
2,4,6-Trichlorophenol	< 0.05	mg/l	SW-846 / 8270
2,4,5-TP (Silvex)	< 1.00	mg/l	SW-846 / 8080
Vinyl Chloride	< 0.01	mg/l	SW-846 / 8240

DP#_____

Respectfully _____
Laboratory Manager

STILSON LABORATORIES, INC.
170 NORTH HIGH STREET
COLUMBUS OHIO 43215
PHONE - 614-228-4355

BORDEN INC.-COLS. COATED FABRICS
1250 W. GRANT AVE.
COLUMBUS, OHIO 43201
ATTN: MR.WILLIAM ILG

LAB NO. 2035
JOB 903335
DATE May 26, 1988

LOCATION COLLECTED BORDEN CCF NO.378 - DN-14 Solid

PRESERVATIVES USED

DATE COLLECTED - - -March 16, 1988

TIME COLLECTED - - - 0

DATE RECEIVED - - - March 24, 1988

Test	Result	Unit
IGNITABILITY	114.0	F
EP- TOXICITY	COMPLETE	
ARSENIC-EP	<0.005	MG/L
BARIUM-EP	<1.0	MG/L
CADMIUM-EP	<0.01	MG/L
CHROMIUM-EP	<0.05	MG/L
LEAD-EP	0.17	MG/L
MERCURY-EP	<0.0005	MG/L
SELENIUM-EP	<0.005	MG/L
SILVER-EP	<0.05	MG/L
PH START	7.65	SU
PH END	5.2	SU
SOLVENTS	8	PERCENT

PROJECT MANAGER _____
WILSON T. WALKER

RCP, INC.
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P.O. BOX 32454
COLUMBUS, OHIO 43232
(614) 864-6123

LABORATORY RESULTS

SAMPLE NO.	90-0571
DATE RECEIVED	08-10-1990
DATE OF REPORT	09-18-1990
PAGE	1 of 2

CLIENT INFORMATION

Cols. Coated Fabrics
P.O. Box 208
Columbus, OH 43216
William Ilg

COMPANY NO. 101

SAMPLE IDENTIFICATION/DESCRIPTION

Waste Solvent Ink (Blue)
CCF #640

ANALYSIS	RESULTS	UNITS	METHOD
Landfill Ban Constituents-TCLP			
Carbon Tetrachloride	< 0.005	mg/l	SW-846 / 8240
Chlorobenzene	< 0.005	mg/l	SW-846 / 8240
Chloroform	< 0.005	mg/l	SW-846 / 8240
o-Cresol	< 0.25	mg/l	SW-846 / 8270
m-Cresol	< 0.25	mg/l	SW-846 / 8270
p-Cresol	< 0.25	mg/l	SW-846 / 8270
Cresol	< 0.25	mg/l	SW-846 / 8270
Methyl Ethyl Ketone	0.30	mg/l	SW-846 / 8240
Methyl Isobutyl Ketone	1960.0	mg/l	SW-846 / 8240
Nitrobenzene	< 0.05	mg/l	SW-846 / 8270
Pyridine	< 0.25	mg/l	SW-846 / 8270
Tetrachloroethylene	< 0.1	mg/l	SW-846 / 8240
Trichloroethylene	< 0.5	mg/l	SW-846 / 8240
Arsenic	0.023	mg/l	SW-846 / 7061
Barium	0.68	mg/l	SW-846 / 7081
Cadmium	0.054	mg/l	SW-846 / 7131
Chromium Total	0.212	mg/l	SW-846 / 7191
Lead	2.15	mg/l	EPA 600 / 236
Mercury	0.002	mg/l	SW-846 / 7471
Selenium	0.002	mg/l	SW-846 / 7740 / 270
Silver	0.004	mg/l	SW-846 / 7761
Benzene	< 0.005	mg/l	SW-846 / 8240
Chlordane	< 0.03	mg/l	SW-846 / 8080
2,4-D	<10.0	mg/l	SW-846 / 8080

RCP, INC.
2246 S. HAMILTON ROAD
P.O. BOX 32454
COLUMBUS, OHIO 43232
(614) 864-6123

LABORATORY RESULT

SAMPLE NO.	90-0571
DATE RECEIVED	08-10-1990
DATE OF REPORT	09-18-1990
PAGE	2

CLIENT INFORMATION

Cols. Coated Fabrics

COMPANY NO. 101

SAMPLE IDENTIFICATION/DESCRIPTION

Waste Solvent Ink (Blue)
CCF #640

ANALYSIS	RESULTS	UNITS	METHOD
1,4-Dichlorobenzene	< 0.05	mg/l	SW-846 / 8270
1,2-Dichloroethane	< 0.005	mg/l	SW-846 / 8240
1,1-Dichloroethylene	< 0.005	mg/l	SW-846 / 8240
2,4-Dinitrotoluene	< 0.05	mg/l	SW-846 / 8270
Endrin	< 0.02	mg/l	SW-846 / 8080
Heptachlor (and its hyroxide)	< 0.008	mg/l	SW-846 / 8080
Hexachlorobenzene	< 0.05	mg/l	SW-846 / 8270
Hexachloro-1,3-butadiene	< 0.05	mg/l	SW-846 / 8270
Hexachloroethane	< 0.05	mg/l	SW-846 / 8270
Lindane	< 0.4	mg/l	SW-846 / 8080
Methoxychlor	<10.0	mg/l	SW-846 / 8080
Pentachlorophenol	< 0.25	mg/l	SW-846 / 8270
Toxaphene	< 0.5	mg/l	SW-846 / 8080
2,4,5-Trichlorophenol	< 0.25	mg/l	SW-846 / 8270
2,4,6-Trichlorophenol	< 0.05	mg/l	SW-846 / 8270
2,4,5-TP (Silvex)	< 1.00	mg/l	SW-846 / 8080
Vinyl Chloride	< 0.01	mg/l	SW-846 / 8240

DP# 8-1-90-8-17-90
9-1-90-9-15-90

Respectfully: [signature]
Laboratory Manager

LABORATORY RESULTS

RCP, INC.
2246 S. HAMILTON ROAD
P.O. BOX 32454
COLUMBUS, OHIO 43232
(614) 864-6123

SAMPLE NO.	90-0847
DATE RECEIVED	10-26-1990
DATE OF REPORT	10-31-1990
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CLIENT INFORMATION

Cols. Coated Fabrics
P.O. Box 208
Columbus, OH 43216
William Ilg

COMPANY NO. 101

SAMPLE IDENTIFICATION/DESCRIPTION

Waste Solvent Ink
CCF #640

ANALYSIS	RESULTS	UNITS	METHOD
Cyclohexanone	< 0.02	mg/l	SW-846 / 8270

DP#_____

Respectfully

Laboratory Manager

LABORATORY RESULTS

RCP, INC.
2246 S. HAMILTON ROAD
P.O. BOX 32454
COLUMBUS, OHIO 43232
(614) 864-6123

SAMPLE NO.	90-0789
DATE RECEIVED	10-10-1990
DATE OF REPORT	10-30-1990
PAGE	1

CLIENT INFORMATION

Cols. Coated Fabrics
P.O. Box 208
Columbus, OH 43216
William Ilg

COMPANY NO. 101

SAMPLE IDENTIFICATION/DESCRIPTION

Spent Muriatic Acid
CCF #655 (10/05/90)

ANALYSIS	RESULTS	UNITS	METHOD
pH	0.2	S.U.	EPA 600 / 150
Ignitability (flash point)	>190	Deg. F.	SW-846 / 1010
			SW-846 / 1110
Cyanide Reactivity	0.002	mg/l	SW-846 / 9010
Metals (TCLP)			
Arsenic	0.692	mg/l	SW-846 / 7061
Barium	0.05	mg/l	SW-846 / 7081
Cadmium	0.010	mg/l	SW-846 / 7131
Chromium Total	0.08	mg/l	SW-846 / 7191
Lead	0.08	mg/l	SW-846 / 7421
Mercury	0.001	mg/l	SW-846 / 7471
Selenium	0.002	mg/l	SW-846 / 7740
Silver	0.001	mg/l	SW-846 / 7761

DP#_____

Respectfully

Laboratory Manager

STILSON LABORATORIES, INC.
170 NORTH HIGH STREET
COLUMBUS OHIO 43215
PHONE - 614-228-4385

BORDEN INC.-COLS. COATED FABRICS
1280 N. GRANT AVE.
COLUMBUS, OHIO
ATTN: MR.WILLIAM ILG

LAB NO. 1405
JOB 903335
DATE June 1, 1987

LOCATION COLLECTED BORDEN CCF 223 FILTER BAGS

PRESERVATIVES USED

DATE COLLECTED - - -April 9, 1987

TIME COLLECTED - - - 0

DATE RECEIVED - - - April 10, 1987

Test	Result	Unit
PH, LAB	6.55	SU
IGNITABILITY	NO FLASH	F
EP- TOXICITY	COMPLETE	
ARSENIC-EP	<0.005	MG/L
BARIUM-EP	589.0	MG/L
CADMIUM-EP	360.0	MG/L
CHROMIUM-EP	<0.05	MG/L
LEAD-EP	0.15	MG/L
MERCURY-EP	<0.0005	MG/L
SELENIUM-EP	<0.005	MG/L
SILVER-EP	<0.05	MG/L
PH START	6.11	SU
PH END	5.03	SU

PROJECT MANAGER _____
WILSON T. WALKER

STILSON LABORATORIES, INC.
170 NORTH HIGH STREET
COLUMBUS OHIO 43215
PHONE - 614-228-4385

BORDEN INC.-COLS. COATED FABRICS
1280 N. GRANT AVE.
COLUMBUS, OHIO
ATTN: MR.WILLIAM ILG

LAB NO. 1404
JOB 903335
DATE May 19, 1987

LOCATION COLLECTED BORDEN CCF 222 FILTER BAGS

PRESERVATIVES USED

DATE COLLECTED - - -April 9, 1987

TIME COLLECTED - - - 0

DATE RECEIVED - - - April 10, 1987

Test	Result	Unit
PH, LAB	4.75	SU
IGNITABILITY	>150.0	F
EP- TOXICITY	COMPLETE	
ARSENIC-EP	<0.005	MG/L
BARIUM-EP	446.0 STD AD	MG/L
CADMIUM-EP	350.0	MG/L
CHROMIUM-EP	<0.05	MG/L
LEAD-EP	<0.05	MG/L
MERCURY-EP	<0.0005	MG/L
SELENIUM-EP	<0.005	MG/L
SILVER-EP	<0.05	MG/L
PH START	4.28	SU
PH END	4.53	SU

PROJECT MANAGER _____
WILSON T. WALKER

RCP, INC.
2246 S. HAMILTON ROAD
P.O. BOX 32454
COLUMBUS, OHIO 43232
(614) 864-6123

LABORATORY RESULT

SAMPLE NO.	90-0569
DATE RECEIVED	08-10-1990
DATE OF REPORT	09-18-1990
PAGE	1 OF 2

CLIENT INFORMATION

Cols. Coated Fabrics
P.O. Box 208
Columbus, OH 43216
William Ilg

COMPANY NO. 101

SAMPLE IDENTIFICATION/DESCRIPTION

PC4 Dust, Stop Oil (Liquid)
CCF #633; Col. 8/8/90

ANALYSIS	RESULTS	UNITS	METHOD
Landfill Ban Constituents-TCLP			
Carbon Tetrachloride	< 0.005	mg/l	SW-846 / 8240
Chlorobenzene	< 0.005	mg/l	SW-846 / 8240
Chloroform	< 0.005	mg/l	SW-846 / 8240
o-Cresol	< 0.25	mg/l	SW-846 / 8270
m-Cresol	< 0.25	mg/l	SW-846 / 8270
p-Cresol	< 0.25	mg/l	SW-846 / 8270
Cresol	< 0.25	mg/l	SW-846 / 8270
Methyl Ethyl Ketone	< 0.005	mg/l	SW-846 / 8240
Nitrobenzene	< 0.05	mg/l	SW-846 / 8270
Pyridine	< 0.25	mg/l	SW-846 / 8270
Tetrachloroethylene	< 0.1	mg/l	SW-846 / 8240
Trichloroethylene	< 0.5	mg/l	SW-846 / 8240
Arsenic	0.011	mg/l	SW-846 / 7061
Barium	3.595	mg/l	SW-846 / 7081
Cadmium	1.2	mg/l	SW-846 / 7131
Chromium Total	< 0.001	mg/l	SW-846 / 7191
Iron	< 0.001	mg/l	EPA 600 / 236
Mercury	< 0.002	mg/l	SW-846 / 7471
Selenium	0.001	mg/l	SW-846 / 7740
Silver	< 0.004	mg/l	SW-846 / 7761
Benzene	< 0.005	mg/l	SW-846 / 8240
Chlordane	< 0.03	mg/l	SW-846 / 8080
2,4-D	<10.0	mg/l	SW-846 / 8080

RCP, INC.
2246 S. HAMILTON ROAD
P.O. BOX 32454
COLUMBUS, OHIO 43232
(614) 864-6123

LABORATORY RESULT

SAMPLE NO.	90-0569
DATE RECEIVED	08-10-1990
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CLIENT INFORMATION

Cols. Coated Fabrics

COMPANY NO. 101

SAMPLE IDENTIFICATION/DESCRIPTION

PC4 Dust, stop Oil (Liquid)
CCF #638; Col. 8/8/90

ANALYSIS	RESULTS	UNITS	METHOD
1,4-Dichlorobenzene	< 0.05	mg/l	SW-846 / 8270
1,2-Dichloroethane	< 0.005	mg/l	SW-846 / 8240
1,1-Dichloroethylene	< 0.005	mg/l	SW-846 / 8240
2,4-Dinitrotoluene	< 0.05	mg/l	SW-846 / 8270
Endrin	< 0.02	mg/l	SW-846 / 8080
Heptachlor (and its hyroxide)	< 0.002	mg/l	SW-846 / 8080
Hexachlorobenzene	< 0.05	mg/l	SW-846 / 8270
Hexachloro-1,3-butadiene	< 0.05	mg/l	SW-846 / 8270
Hexachloroethane	< 0.05	mg/l	SW-846 / 8270
Lindane	< 0.4	mg/l	SW-846 / 8080
Methoxychlor	<10.	mg/l	SW-846 / 8080
Pentachlorophenol	< 0.25	mg/l	SW-846 / 8270
Toxaphene	< 0.5	mg/l	SW-846 / 8080
2,4,5-Trichlorophenol	< 0.25	mg/l	SW-846 / 8270
2,4,6-Trichlorophenol	< 0.05	mg/l	SW-846 / 8270
2,4,5-TP (Silvex)	< 1.0	mg/l	SW-846 / 8080
Vinyl Chloride	< 0.01	mg/l	SW-846 / 8240

DPS 8-1-90 - 8-17-90
9-1-90 - 9-15-90

Respectfully

Laboratory Manager

RCP, INC.
2246 S. HAMILTON ROAD
P.O. BOX 32454
COLUMBUS, OHIO 43232
(614) 864-6123

LABORATORY RESULT

SAMPLE NO.	90-0567
DATE RECEIVED	08-10-1990
DATE OF REPORT	09-18-1990
PAGE	1 of 2

CLIENT INFORMATION

Cols. Coated Fabrics
P.O. Box 208
Columbus, OH 43216
William Ilg

COMPANY NO. 101

SAMPLE IDENTIFICATION/DESCRIPTION

Pan Wash Sludge, 2 Phases,
CCF #636, Col. 8/9/90

ANALYSIS	RESULTS	UNITS	METHOD
Landfill Ban Constituents-TCLP			
Carbon Tetrachloride	< 0.005	mg/l	SW-846 / 8240
Chlorobenzene	< 0.005	mg/l	SW-846 / 8240
Chloroform	< 0.005	mg/l	SW-846 / 8240
O-Cresol	< 0.25	mg/l	SW-846 / 8270
m-Cresol	< 0.25	mg/l	SW-846 / 8270
p-Cresol	< 0.25	mg/l	SW-846 / 8270
Cresol	< 0.25	mg/l	SW-846 / 8270
Methyl Ethyl Ketone	0.067	mg/l	SW-846 / 8240
Nitrobenzene	< 0.05	mg/l	SW-846 / 8270
Pyridine	< 0.25	mg/l	SW-846 / 8270
Tetrachloroethylene	< 0.1	mg/l	SW-846 / 8240
Trichloroethylene	< 0.5	mg/l	SW-846 / 8240
Arsenic	0.006	mg/l	SW-846 / 7061
Barium	0.294	mg/l	SW-846 / 7081
Cadmium	0.063	mg/l	SW-846 / 7131
Chromium Total	0.110	mg/l	SW-846 / 7191
Lead	8.03	mg/l	SW-846 / 7421
Mercury	0.003	mg/l	SW-846 / 7471
Selenium	0.001	mg/l	SW-846 / 7740
Silver	0.005	mg/l	SW-846 / 7761
Benzene	< 0.005	mg/l	SW-846 / 8240
Chlordane	< 0.03	mg/l	SW-846 / 8080
2,4-D	<10.0	mg/l	SW-846 / 8080

RCP, INC.
2246 S. HAMILTON ROAD
P.O. BOX 32454
COLUMBUS, OHIO 43232
(614) 864-6123

LABORATORY RESULT

SAMPLE NO.	90-0567
DATE RECEIVED	08-10-1990
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CLIENT INFORMATION

Cols. Coated Fabrics

COMPANY NO. 101

SAMPLE IDENTIFICATION/DESCRIPTION

Pan Wash Sludge, 2 Phases, CCF #636, Col. 8/9/90

ANALYSIS	RESULTS	UNITS	METHOD
1,4-Dichlorobenzene	< 0.05	mg/l	SW-846 / 8270
1,2-Dichloroethane	< 0.005	mg/l	SW-846 / 8240
1,1-Dichloroethylene	< 0.005	mg/l	SW-846 / 8240
2,4-Dinitrotoluene	< 0.05	mg/l	SW-846 / 8270
Endrin	< 0.02	mg/l	SW-846 / 8080
Heptachlor (and its hyroxide)	< 0.008	mg/l	SW-846 / 8080
Hexachlorobenzene	< 0.05	mg/l	SW-846 / 8270
Hexachloro-1,3-butadiene	< 0.05	mg/l	SW-846 / 8270
Hexachloroethane	< 0.05	mg/l	SW-846 / 8270
Lindane	< 0.4	mg/l	SW-846 / 8080
Methoxychlor	<10.0	mg/l	SW-846 / 8080
Pentachlorophenol	< 0.25	mg/l	SW-846 / 8270
Toxaphene	< 0.5	mg/l	SW-846 / 8080
2,4,5-Trichlorophenol	< 0.25	mg/l	SW-846 / 8270
2,4,6-Trichlorophenol	< 0.05	mg/l	SW-846 / 8270
2,4,5-TP (Silvex)	< 1.00	mg/l	SW-846 / 8080
Vinyl Chloride	< 0.01	mg/l	SW-846 / 8240

DPS 8-1-90-8-17-90
9-1-90 - 9-15-90

Respectfully [signature]
Laboratory Manager

RCP, INC.
2246 S. HAMILTON ROAD
P.O. BOX 32454
COLUMBUS, OHIO 43232
(614) 864-6123

LABORATORY RESULTS

SAMPLE NO.	90-0568
DATE RECEIVED	08-10-1990
DATE OF REPORT	09-18-1990
PAGE	1 of 2

CLIENT INFORMATION

Cols. Coated Fabrics
P.O. Box 208
Columbus, OH 43216
William Ilg

COMPANY NO. 101

SAMPLE IDENTIFICATION/DESCRIPTION
Pan Wash Solids; CCF #637
Collected 8/9/90

ANALYSIS	RESULTS	UNITS	METHOD
Landfill Ban Constituents-TCLP			
Carbon Tetrachloride	<0.005	mg/l	SW-846 / 8240
Chlorobenzene	< 0.005	mg/l	SW-846 / 8240
Chloroform	< 0.005	mg/l	SW-846 / 8240
o-Cresol	< 0.25	mg/l	SW-846 / 8270
m-Cresol	< 0.25	mg/l	SW-846 / 8270
p-Cresol	< 0.25	mg/l	SW-846 / 8270
Cresol	< 0.25	mg/l	SW-846 / 8270
Methyl Ethyl Ketone	4.35	mg/l	SW-846 / 8240
Nitrobenzene	< 0.05	mg/l	SW-846 / 8270
Pyridine	< 0.25	mg/l	SW-846 / 8270
Tetrachloroethylene	< 0.1	mg/l	SW-846 / 8240
Trichloroethylene	< 0.5	mg/l	SW-846 / 8240
Arsenic	0.015	mg/l	SW-846 / 7061
Barium	0.592	mg/l	SW-846 / 7081
Cadmium	0.173	mg/l	SW-846 / 7131
Chromium Total	0.190	mg/l	SW-846 / 7191
Lead	8.025	mg/l	EPA 600 / 236
Mercury	0.003	mg/l	SW-846 / 7471
Selenium	0.001	mg/l	SW-846 / 7740 / 270
Silver	0.005	mg/l	SW-846 / 7761
Benzene	< 0.005	mg/l	SW-846 / 8240
Chlordane	< 0.03	mg/l	SW-846 / 8080
2,4-D	<10.0	mg/l	SW-846 / 8080

RCP, INC.
2246 S. HAMILTON ROAD
P.O. BOX 32454
COLUMBUS, OHIO 43232
(614) 864-6123

LABORATORY RESULTS

SAMPLE NO.	90-0568
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CLIENT INFORMATION

Cols. Coated Fabrics

COMPANY NO. 101

SAMPLE IDENTIFICATION/DESCRIPTION

Pan Wash Solids; CCF #637
Collected 8/9/90

ANALYSIS	RESULTS	UNITS	METHOD
1,4-Dichlorobenzene	< 0.05	mg/l	SW-846 / 8270
1,2-Dichloroethane	< 0.005	mg/l	SW-846 / 8240
1,1-Dichloroethylene	< 0.005	mg/l	SW-846 / 8240
2,4-Dinitrotoluene	< 0.05	mg/l	SW-846 / 8270
Endrin	< 0.02	mg/l	SW-846 / 8080
Heptachlor (and its hyroxide)	< 0.008	mg/l	SW-846 / 8080
Hexachlorobenzene	< 0.05	mg/l	SW-846 / 8270
Hexachloro-1,3-butadiene	< 0.05	mg/l	SW-846 / 8270
Hexachloroethane	< 0.05	mg/l	SW-846 / 8270
Lindane	< 0.4	mg/l	SW-846 / 8080
Methoxychlor	<10.	mg/l	SW-846 / 8080
Pentachlorophenol	< 0.25	mg/l	SW-846 / 8270
Toxaphene	< 0.5	mg/l	SW-846 / 8080
2,4,6-Trichlorophenol	< 0.25	mg/l	SW-846 / 8270
2,4,5-Trichlorophenol	< 0.05	mg/l	SW-846 / 8270
2,4,5-TP (Silvex)	< 1.0	mg/l	SW-846 / 8080
Vinyl Chloride	< 0.01	mg/l	SW-846 / 8240

DF# 8-1-90 - 8-17-90
9-1-90 - 9-15-90

Respectfully,

Laboratory Manager

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SECTION IV - DEVELOPMENT OF A DISCHARGE CONTINGENCY PLAN TO BE FOLLOWED IN EVENT OF A RELEASE SPILL

A. Notification procedure (for additional information, see page 30).

1. Columbus Coated Fabrics - Division of Borden Chemical

a.	George Rusincovitch	-	Technical Manager/ Chief Engineer
b.	Wayne Judy	-	Plant Manager
c.	Jim Weaver	-	Director of Manufacturing
d.	Richard Miller	-	Manager of Safety/ Security
e.	Joe Ochwat	-	Maintenance Superintendent
f.	Dan Schaaf	-	Supervisor & Chief of Emergency Squad
g.	Grover Thomas	-	Environmental Supervisor
h.	Glenn Myres	-	Manager of Engineering
i.	Ken Greene	-	Supervisor, Tooling & Chrome Plating Dept.
j.	Mike Betts	-	General Manager
k.	John Sykes	-	Envir. Coordinator

2. Borden Company

   a. Operation Alert - 614/457-5200

3. State Agency

   a. Ohio EPA Emergency Response
      1800 WaterMark Drive
      Columbus, Ohio 43266
      1-800/282-9378 or 614/644-2260

4. Governmental Agency

   a. National Response Center - 800/424-8802

5. City of Columbus Emergency Aid

a. Columbus Fire Department - 911 or 221-2345

The Columbus Fire Department inspects the facility once a year and checks out emergency equipment

b. Columbus Emergency Squad - 911 or 221-2345

The Emergency Squad takes injured to a hospital determined after arrival at the plant.

c. Columbus Police Department - 911 or 645-4545

d. Columbus Sewer & Drains Emergency Phone Number - 645-7106

e. Columbus Sewer & Drains (Surveillance Section) - 645-7102 (24-Hour number)

SECTION IV - DEVELOPMENT OF A DISCHARGE CONTINGENCY PLAN TO BE FOLLOWED IN EVENT OF A RELEASE SPILL

A. Notification Procedure

1. Columbus Coated Fabrics - Division of Borden Chemical Emergency Coordinators

Primary Emergency Coordinator:

a. George Rusincovitch - Technical Manager/Chief Engineer
6987 Eastview Drive
Columbus, OH 43085
[redacted] Office Phone: 614/297-6122

Alternate Emergency Coordinators:

b. Wayne Judy - Plant Manager
1158 Forest Glen Rd.
Westerville, OH 43081
[redacted] Office Phone: 614/297-6104

c. Jim Weaver - Director of Manufacturing
8606 Finlarig Dr.
Dublin, OH 43017
[redacted] Office Phone: 614/297-6127

d. Richard Miller - Manager of Safety/Security
4808 Woodstream Ct.
Gahanna, OH 43320
[redacted] Office Phone: 614/297-6078

e. Joe Ochwat - Maintenance Superintendent
6456 Cherokee Rose Dr.
Westerville, OH 43081
[redacted] Office Phone: 614/297-6113

f. Dan Schaaf - Supervisor & Chief of the Emergency Squad
277 Orchard Lane
Sunbury, OH 43074
[redacted] Office Phone: 614/297-6098

g. Grover Thomas - Environmental Manager
86 Spring Hollow Lane
Westerville, OH 43081
[redacted] Office Phone: 614/297-6097

h. Glenn Myres - Manager of Engineering
2712 Central Park Place
Columbus, OH 43231
non- [redacted] Office Phone: 614/297-6045

i. Ken Greene - Supervisor, Tooling & Chrome Plating Dept.
2460 E. Orange Rd.
Galena, OH 43021
non- [redacted] Office Phone: 614/297-6095
614/297-6115

j. Mike Betts - General Manager
2258 Sawbury Blvd.
Worthington, OH 43085
non- [redacted] Office Phone: 614/297-6068

k. John Sykes - Environmental Coordinator
1224 Slade Avenue
Columbus, OH 43235
non- [redacted] Office Phone: 614/297-6043

Emergency Response (Fire or Major Spill)

In the event of a fire that is not detected by ADT, the following procedure should be followed:

FIRE: Dial 221-2345 or dial "**911**" for the telephone operator and say, "I want to report a fire". The operator will then connect you with the Fire Department Operator. Give the name and complete address of your facility and the exact location of the fire, using "East", "North", etc. Do not hang-up until you are sure that the Fire Department Operator has the name and address correctly.

NOTE: If the Emergency Brigade is on the premises, you will notify them by using the paging system. They will handle the situation until the Fire Department arrives.

Then you will call the **Key Personnel of CCF**, they are to be called in the order listed below.

CCF KEY PERSONNEL

Name	Title	Office Phone	Home Phone
George Rusincovitch	Techn.Mgr./Chief Eng.	x 6122	non-
Wayne Judy	Plant Manager	x 6104	non-
Jim Weaver	Director of Mfg.	x 6127	non-
Richard Miller	Mgr. Safety/Security	x 6078	non-
Joe Ochwat	Maintenance Supv.	x 6113	non-
Dan Schaaf	Supv. & Chief of Emergency Squad	x 6098	non-
Grover Thomas	Environmental Mgr.	x 6097	non-
Glenn Myres	Mgr. Engineering	x 6045	non-
Ken Greene	Supv. Tool & Chrome Plating Dept.	x 6095, x 6115	non-
Mike Betts	General Manager	x 6068	non-
John Sykes	Envir. Coordinator	x 6043	non-

EMERGENCY TELEPHONE UTILITIES

Electric Company - 464-7100

Gas Company - 460-2222

Water Company - 222-7788

FOR SECURITY PERSONNEL

EMERGENCY PHONE NUMBERS

The following phone numbers should be available at all times while on duty:

FIRE:	(614) 221-2345, or dial "911" for the telephone operator and say "I want to report a fire". The operator will then connect you with the Fire Department Operator. Give the name and complete address of your facility and the exact location of the fire, using "East", "North", etc., and street names for sub-building locations. Do not hand-up until you are sure that the Fire Department Operator has the name and address correctly.
EMERGENCY SQUAD:	911 or 221-2345
POLICE:	911 or 645-4545
SHERIFF:	462-3333
CCF SECURITY MGR.:	Richard Miller - 6078 Home: - 337-9608
SITE SUPERVISOR:	Cpt. McDonald - 6050 Home: - 267-7365
PINKERTON OFFICE:	486-7732

CCF KEY PERSONNEL

NAME	TITLE	OFFICE PHONE	HOME PHONE
George Rusincovitch	Tech. Mgr./Chief Eng.	6122	non- n
Wayne Judy	Plant Manager	6104	non-
Jim Weaver	Director of Mfg.	6127	non-
Richard Miller	Mgr. Safety/Security	6078	non-
Joe Ochwat	Maintenance Super.	6113	non-
Dan Schaaf	Supv. & Chief of Emergency Squad	6098	non-
Grover Thomas	Environmental Supv.	6097	non-
Glenn Myres	Mgr. Engineering	6045	non-
Ken Greene	Supv. Tool & Chrome Plating Dept.	6095, 6115	non-
Mike Betts	General Manager	6068	non-
John Sykes	Env. Coordinator	6043	non-

When calling clients key personnel (CCF), they are to be called in the order listed. First person on the list to be called first, second person to be called second if unable to reach first person, etc., regardless of title.

EMERGENCY TELEPHONE NUMBERS

Electric Company	-	464-7100
Gas Company	-	460-2222
Water Company	-	222-7788

INTER-COMPANY AND OFFICE CORRESPONDENCE

TO: **DISTRIBUTION**

FROM: **MIKE BETTS**

LOCATED AT: **CCF**

Dept. Branch Division Company

SUBJECT: **EMERGENCY - Notification Procedures**

DATE: **December 2, 1991**

Mr. George Rusincovitch, Technical Manager/Chief Engineer of Columbus Coated Fabrics, located at Seventh and Grant Avenue, Columbus, Ohio, in his position as Emergency Coordinator, has the authority to use any needed resource to implement emergency procedures for spill control, fire control, or any other incidents under the Contingency Plan.

In his absence, the alternate Emergency Coordinators listed have the same authority. In the event of an emergency, they will be called in the order listed:

1. George Rusincovitch -- Technical Manager/Chief Engineer Emergency Coordinator
   6987 Eastview Drive
   Columbus, OH 43085
   non-responsive Office Phone: 614/297-6122

2. Wayne Judy -- Plant Manager
   1158 Forest Glen Rd.
   Westerville, OH 43081
   non-responsive Office Phone: 614/297-6104

3. Jim Weaver -- Director of Manufacturing
   8606 Finlarig Dr.
   Dublin, OH 43017
   non-responsive Office Phone: 614/297-6127

4. Richard Miller -- Manager of Safety/Security
   4808 Woodstream Ct.
   Gahanna, OH 43230
   non-responsive Office Phone: 614/297-6078

5. Joe Ochwat -- Maintenance Superintendent
   6456 Cherokee Rose Dr.
   Westerville, OH 43081
   non-responsive Office Phone: 614/297-6113

6. Dan Schaaf -- Supervisor & Chief of the Emergency Squad
   277 Orchard Lane
   Sunbury, OH 43074
   non-responsive Office Phone: 614/297-6098

CH-622

7. Grover Thomas -- Environmental Manager
86 Spring Hollow Lane
Westerville, OH 43081
non-responsive Office Phone: 614/297-6097

8. Glenn Myres -- Manager of Engineering
2712 Central Park Place
Columbus, OH 43231
non-responsive Office Phone: 614/297-6045

9. Ken Greene -- Supervisor, Tooling & Chrome Plating Dept.
2460 E. Orange Rd.
Galena, OH 43021
non-responsive Office Phone: 614/297-6095
614/297-6115

10. Mike Betts -- General Manager
2258 Sawbury Blvd.
Worthington, OH 43085
non-responsive Office Phone: 614/297-6068

MB/rap

DISTRIBUTION:
Rex Blevins
Robin Bryant
Bill Cheek
Craig Conroy
Ken Greene
Bill Griffin
Doug Joyner
Wayne Judy
Bob Kornmiller
Pat Kuskowski
Mary Mosher
Glenn Myres
Tom Ness
Joe Ochwat
Umi Pateriya
Larry Randall
George Rusincovitch
Dan Schaaf
John Sykes
Grover Thomas
Jim Weaver
CCF Main Gate

B. Containment of Spill

1. Equipment on hand -- loose sand and sand in bags. Oil absorbent material and portable pumps. Cover plate.

2. Temporary dikes can be built from sandbags, loose sand or oil absorbent material in the event of a spill. Maintenance men would pump contained spills into 55 gallon drums and use absorbent materials in final clean-up.

SECTION V - BUILDING PLANS

A. General Map #1 - Page 34a.

B. General Map #2 - Page 34b.