LAIDLAW ENVIRONMENTAL SERVICES

Resource Recovery

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RCRA
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MKB To file 1/30/96

Certified Mail Receipt # Z 132 776 609

January 25, 1996

Mr. Bill Crawford
Hazardous Waste Permitting
Division of Waste Management
Florida Department of Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619

RE: Notification of Receiving Hazardous Waste From a Foreign Source
Laidlaw Environmental Services of Bartow, Inc. (LESB)
EPA ID No. FLD 980 729 610
Specific Condition 1 of Part I: Permit # HO53-182726A

Dear Mr. Crawford:

In accordance with Specific Condition 1 of Part I of Operating Permit HO53-182726A, LESB hereby notifies the Department that LESB intends to receive hazardous waste from a foreign source. The source is; Laidlaw Environmental Services, Ltd. located in Thorold, Ontario, Canada. Enclosed is a profile describing the waste stream to be received from the source.

If you have any questions or need additional information feel free to call me at (941) 533-6111.

Sincerely,

Mark H. Behel

Mark H. Behel
Regulatory Compliance Manager

Enclosure:

pc: Paul Manak
Lin Longshore
Satish Kastury, FDEP, Tallahassee
Alan Farmer, USEPA, Region IV

Laidlaw Environmental Services of Bartow, Inc.
170 Bartow Municipal Airport Bartow, Florida 33830-9504 Phone 813.533.6111 Fax 813.533.5152

LAIDLAW ENVIRONMENTAL SERVICES

NAME OF WASTE STREAM: IPA FLUX

MATERIAL PROFILE NO.: 30885

☐ New ☐ Amendment

A. GENERATOR INFORMATION

Generator Name: LAIDLAW ENVIRONMENTAL SERVICES
Facility Address: P O BOX 188
1829 ALLANPORT ROAD
City/County: THOROLD / ON-DESCHUTES
State: ON Zip Code:
USEPA ID#: NYD980536163
State ID#: ON1378705 ← Ontario ID #

Technical Contact: ROMAN SPERA
Telephone(905) 227-7872 EXT.
Fax(905) 680-4255
Billing Name:
Billing Address:
City: State: Zip Code:
Attention:
Telephone( ) EXT.

B. DOT Shipping Name: Waste flammable liquids, n.o.s.
Tech. Con. IPA
Hazard Class: 3 Zone: Label Req: FLAMMABLE LIQUID
UN/NA No.: UN1993 Packing Group: II RQ:

C. RCRA RCRA Non Hazardous/Exempt? ☐ Yes ☒ No Process Generating:
ELECTRONIC COMPONENTS ARE WASHED WITH AN IPA SOLUTIONS
State Waste Codes: EPA Waste Codes: D001

D. ANNUAL REPORT CODES

SIC Code: 3679
Source Code: A 05
Form Code: B 203
Origin Code: 1
System Type: M 021

E. OTHER COMPONENTS

	No	Yes	Total ppm
PCB's	☒	☐	
Cyanides	☒	☐	
Sulfides	☒	☐	
Pesticides	☒	☐	
Phenolics	☒	☐	
Dioxins	☒	☐	
Halogens	☒	☐	%

F. PHYSICAL CHARACTERISTICS AT 70° F

1. Infectious or Biological Waste? ☐ Yes ☒ No
2. NRC Regulated Radioactive? ☐ Yes ☒ No
3. Reactivity: ☒ None ☐ Water Reactive ☐ Pyrophoric ☐ Shock Sensitive ☐ Cyanides ☐ DOT Explosive ☐ Sulfides ☐ Other

☐ Gas (Cylinder) ☐ Solid %
☐ Aerosol ☒ Sludges 2 %
☐ Lab-Pack ☒ Free Liquids 98 %
100%

Layers: ☒ Single Layered ☐ Bi-layered ☐ Multi-layered

Viscosity: ☒ Low ☐ Medium ☐ High

Odor: ☐ None ☐ Mild ☐ Strong Describe: MILD

Color/Appearance: CLEAR

Weight
Density 0.79 lbs./gal.(US,liq) lbs./cu. foot
Dry Weight ☐ <1.0% ☐ 5-20% ☐ 1-5% ☐ 20-100%

pH ☐ N/A
☐ 0-2 ☒ 4.1-10 ☐ ≥12.5
☐ 2.1-4 ☐ 10.1-12.4 Exact

Flash Point (liquid only)
☒ <73°F (23°C)
☐ 73-140°F (23-60°C)
☐ 142-200°F (61-93°C)
☐ >200°F (93°C)
☐ Exact

Boiling Point
☐ <95°F (35°C)
☒ >95°F (35°C)
☐ Exact

BTU/Lb.
>10000

Dermal Toxicity LD_{50} (Mg/Kg)
☐ ≤40 ☒ <200,≤1000
☐ >40,≤200 ☐ >1000

4. Material poisonous by inhalation? ☐ Yes ☒ No

Oral Toxicity (LD_{50} (Mg/Kg)
☐ ≤5 ☐ >5,≤50
Solids: ☐ >50,≤200 ☐ >200
Liquids: ☒ >50,≤500 ☐ >500

5. Is this waste stored in vented drums? ☐ Yes ☒ No
6. Is this waste pumpable? ☒ Yes ☐ No
7. Is this waste polymerizable? ☐ Yes ☒ No
8. Is waste stream subject to the National Emission Standards for Benzene Waste Operations (40 CFR 61 Subpart FF)? ☐ Yes ☒ No
9. Is this waste regulated as an ozone depleting substance (40 CFR part 82)? ☐ Yes ☒ No
10. Does this waste contain scrap metal pieces greater than 2 inches in size? ☐ Yes ☒ No

G. METALS

☒ NONE ☐ TCLP (MG/L) ☐ TOTAL (PPM)

	Reg. Limit	Below	Above	Range
Arsenic	5 mg/L	☐	☐	
Barium	100 mg/L	☐	☐	
Cadmium	1 mg/L	☐	☐	
Chromium	5 mg/L	☐	☐	
Copper		☐	☐	
Lead	5 mg/L	☐	☐	
Mercury	0.2 mg/L	☐	☐	
Nickel	134 mg/L	☐	☐	
Selenium	1 mg/L	☐	☐	
Silver	5 mg/L	☐	☐	
Zinc		☐	☐	
Others:				

H. PHYSICAL/CHEMICAL CONSTITUENTS

grit, dirt, sand	2 %
Isopropanol- IPA	98 %
Oil	trace %
	%
	%
	%
	%
	%
	%
	%
	%
	%
	100 %

(Attach All MSDS, Sample Analysis and Additional Info.)

I. ANTICIPATED VOLUME

Qty.	Container	Qty.	Container
☐ ____	5 gl. pail	☐ ____	Cubic Yard Box*
☐ ____	15 gl. carboy	☐ ____	Super Sack*
☐ ____	30 gl. drum	☐ ____	Rolloff/Dump Trailer*
☐ ____	55 gl. drum	☐ ____	Tanker*
☐ ____	86 gl. drum	☒ 10.00	Other DM

Per ☐ 1 Time ☐ Week ☐ Month ☐ Year ☒ Other M

(*) Is this waste regulated as a Marine Pollutant (49 CFR 171.8)? ☐ Yes ☒ No

Generator's Certification:

I hereby certify that the above and attached description is complete and accurate to the best of my knowledge and ability to determine that no deliberate or willful omissions of composition properties exist and that all known or suspected hazards have been disclosed. I certify that the materials tested are representative of all material described by this profile.

Generator's Authorized Signature: Date Jan 5/96

TC RULE CERTIFICATION/ RECERTIFICATION FORM

Generator Name: Laidlaw EPA ID#: _____

Location: Thorold, ON

Profile #: 30885 Waste Stream: 30885 IPA FLUX

CHARACTERISTICS OF HAZARDOUS WASTE: Indicate if this waste contains any of the following characteristics based on criteria mandated by 40CFR261.21, 261.22, 261.23 and 261.24.

	Regulatory Threshold Level	(Check one) YES	NO	Scientific Data	Generator's Knowledge	Actual Value
D001 Characteristics of Ignitability	140 °F	✓			✓	
D002 Characteristics of Corrosivity	2 or 12.5		✓			
D003 Characteristics of Reactivity			✓			

Constituent	*Regulatory Threshold Level, ppm	(Check one) YES	NO	Scientific Data	Generator's Knowledge	Actual Value (ppm)
D004 Arsenic	5.0		✓			
D005 Barium	100.0		✓			
D006 Cadmium	1.0		✓			
D007 Chromium	5.0		✓			
D008 Lead	5.0		✓			
D009 Mercury	0.2		✓			
D010 Selenium	1.0		✓			
D011 Silver	5.0		✓			
D012 Endrin	0.02		✓			
D013 Lindane	0.4		✓			
D014 Methoxychlor	10.0		✓			
D015 Toxaphene	0.5		✓			
D016 2,4, D (2,4, Dichlorophenoxyacetic acid)	10.0					
D017 2,4,5- TP Silvex	1.0		✓			
D018 Benzene	0.5		✓			
D019 Carbon Tetrachloride	0.5		✓			
D020 Chlordane	0.03		✓			
D021 Chlorobenzene	100.0		✓			
D022 Chloroform	6.0		✓			
D023 O-Cresol	200.0		✓			
D024 M-Cresol	200.0		✓			
D025 P-Cresol	200.0		✓			
D026 Cresol	200.0		✓			
D027 1,4 - Dichlorobenzene	7.5		✓			
D028 1,2 - Dichloroethane	0.5		✓			
D029 1,1 - Dichloroethylene	0.7		✓			
D030 2,4 - Dinitrotoluene	0.13		✓		✓	
D031 Heptachlor & its epoxide	0.008		✓			

*Regulatory

Constituent	Threshold Level, ppm	(Check one) YES	NO	Scientific Data	Generator's Knowledge	Actual Value (ppm)
D032 Hexachlorobenzene	0.13					
D033 Hexachlorobutadiene	0.5					
D034 Hexachloroethane	3.0					
D035 Methyl Ethyl Ketone	200.0					
D036 Nitrobenzene	2.0					
D037 Pentachlorophenol	100.0					
D038 Pyridine	5.0					
D039 Tetrachloroethylene	0.7					
D040 Trichloroethylene	0.5					
D041 2,4,5 - Trichlorophenol	400.0					
D042 2,4,6 - Trichlorophenol	2.0					
D043 Vinyl Chloride	0.2					

* As defined by the TCLP (Method 1311), EP Toxicity is no longer acceptable.

Use of Generator's Knowledge is based upon the following (check one):

1)_____ MSDS's (Please attach)

2)_____ Analysis (Please attach)

3)__✓__ Other (Explain how determined, ex.: not present in process producing)

Not present in process producing

"LISTED" Hazardous Wastes: Indicate if this waste also contains any listed hazardous wastes codes in 40CFR261.31, 261.32, 261.33 by including the appropriate EPA Hazardous Waste code(s):

_____ _____ _____ _____ _____ _____

GENERATOR CERTIFICATION

I hereby that all information submitted on this form and all attached documents are true and accurate. In the event that this form is not fully completed, I authorize Laidlaw Environmental Service to conduct necessary testing at my expense to properly complete the form.

Signature: Roman Spera Date: Jan. 5/96

Print Name: Roman Spera Title: Manager, Disposal and Recycling

LAIDLAW ENVIRONMENTAL SERVICES

Determination of Underlying Constituents

Generator Name: Laidlaw Environmental Services Location: Thorold, ON

Waste Name: IPA Flux Waste Codes: D001

EPA ID #: _____ Profile #: 39885

In accordance with final Land Disposal Restriction regulations published on May 18, 1993 and September 19, 1994, hazardous wastes which exhibit the characteristics of: D001 (ignitability, except for D001, High TOC Ignitable Subcategory, TOC ≥ 10%); D002 (corrosivity); and D012 through D043 (toxicity characteristic for pesticides and organics) must be treated to remove the characteristic and for all "underlying constituents" which are reasonably expected to be present in the waste at levels above those listed in 40 CFR Part 268.48, Table UTS - Universal Treatment Standards, at the point of generation of the waste. Generators of these wastes are now responsible for monitoring and identifying, through analysis or documentable knowledge, all underlying constituents reasonably expected to be present in the waste above the UTS level. Wastes exhibiting the characteristics of D004 through D011 (toxicity characteristic for metals) are not affected by this rule.

In order to comply with the requirements of these rules, Laidlaw Environmental Services is requesting all generators whose wastes exhibit one or more of the affected characteristics to review the Universal Treatment Standards table on the back of this form and check the statement which is appropriate for the waste material.

☑ *I certify that this waste does not contain any of the "underlying constituents" indicated in 40 CFR Part 268.48, Table UTS. This certification is supported by:*

- ☐ *Analytical Data (Please provide);*
- ☑ *Generator Knowledge.*

☐ *I certify that this waste meets the Universal Treatment Standards for all "underlying constituents" reasonably expected to be present in this waste. (Please provide analytical data supporting this certification).*

☐ *I notify that this waste does not meet the Universal Treatment Standards for the following "underlying constituents" and must be treated before this waste can be land disposed. (Please list all applicable legend numbers from the table provided on the back of this form).*

_____

_____

_____

Print Name: Roman Spera Signature: R Spera

Title: Manager, Disposal and Recycling Date: Jan 5/96

Sec. 268.48 Table UTS — Universal Treatment Standards

Legend #	Regulated constituent — common name	Wastewater standard. Concentration in mg/l [1]	Nonwastewater standard. Concentration in mg/kg [2] unless noted as "mg/l TCLP"
49	Acenaphthylene	0.059	3.4
50	Acenaphthene	0.059	3.4
51	Acetone	0.28	160
52	Acetonitrile	5.6	1.8
53	Acetophenone	0.010	9.7
54	2-Acetylaminofluorene	0.059	140
55	Acrolein	0.29	NA
56	Acrylamide	19	23
57	Acrylonitrile	0.24	84
58	Aldrin	0.021	0.066
59	4-Aminobiphenyl	0.13	NA
60	Aniline	0.81	14
61	Anthracene	0.059	3.4
62	Aramite	0.36	NA
63	alpha-BHC	0.00014	0.066
64	beta-BHC	0.00014	0.066
65	delta-BHC	0.023	0.066
66	gamma-BHC	0.0017	0.066
67	Benzene	0.14	10
68	Benz (a) anthracene	0.059	3.4
69	Benzal chloride	0.055	6.0
70	Benzo (b) fluoranthene (difficult to distinguish from benzo (k) fluoranthene)	0.11	6.8
71	Benzo (k) fluoranthene (difficult to distinguish from benzo (b) fluoranthene)	0.11	6.8
72	Benzo (g, h, i) perylene	0.0055	1.8
73	Benzo (a) pyrene	0.061	3.4
74	Bromodichloromethane	0.35	15
75	Methyl bromide (Bromomethane)	0.11	15
76	4-Bromophenyl phenyl ether	0.055	15
77	n-Butyl alcohol	5.6	2.6
78	Butyl benzyl phthalate	0.017	28
79	2-sec-Butyl-4, 6-dinitrophenol (Dinoseb)	0.066	2.5
80	Carbon disulfide	3.8	4.8 mg/l TCLP
81	Carbon tetrachloride	0.057	6.0
82	Chlordane (alpha and gamma isomers)	0.0033	0.26
83	p-Chloroaniline	0.46	16
84	Chlorobenzene	0.057	6.0
85	Chlorobenzilate	0.10	NA
86	2-Chloro-1, 3-butadiene	0.057	0.28
87	Chlorodibromomethane	0.057	15
88	Chloroethane	0.27	6.0
89	bis (2-chloroethoxy) methane	0.036	7.2
90	bis (2-Chloroethyl) ether	0.033	6.0
91	Chloroform	0.046	6.0
92	bis (2-Chloroisopropyl) ether	0.055	7.2
93	p-Chloro-m-cresol	0.018	14
94	2-Chloroethyl vinyl ether	0.062	NA
95	Chloromethane (Methyl chloride)	0.19	30
96	2-Chloronaphthalene	0.055	5.6
97	2-Chlorophenol	0.044	5.7
98	3-Chloropropylene	0.036	30
99	Chrysene	0.059	3.4
100	o-Cresol	0.11	5.6
101	m-Cresol (difficult to distinguish from p-cresol)	0.77	5.6
102	p-Cresol (difficult to distinguish from m-cresol)	0.77	5.6
103	Cyclobutanone	0.36	0.75 mg/l TCLP
104	1, 2-Dibromo-3-chloropropane	0.11	15
105	Ethylene dibromide (1, 2-Dibromoethane)	0.028	15
106	Dibromomethane	0.11	15
107	2, 4-D (2, 4-Dichlorophenoxyacetic acid)	0.72	10
108	o, p'-DDD	0.023	0.087
109	p,p'-DDD	0.023	0.087
110	o,p'-DDE	0.031	0.087
111	p,p'-DDE	0.031	0.087
112	o,p'-DDT	0.0039	0.087
113	p,p'-DDT	0.0039	0.087
114	Dibenz (a,h) anthracene	0.055	8.2
115	Dibenz (a, e) pyrene	0.061	NA
116	m-Dichlorobenzene	0.036	6.0
117	o-Dichlorobenzene	0.088	6.0
118	p-dichlorobenzene	0.090	6.0
119	Dichlorodifluoromethane	0.23	7.2
120	1,1-Dichloroethane	0.059	6.0
121	1,2-Dichloroethane	0.21	6.0
122	1,1-Dichloroethylene	0.025	6.0
123	trans-1,2-Dichloroethylene	0.054	30
124	2,4-Dichlorophenol	0.044	14
125	2,6-Dichlorophenol	0.044	14
126	1,2-Dichloropropane	0.85	18
127	cis-1,3-Dichloropropylene	0.036	18
128	trans-1,3-Dichloropropylene	0.036	18
129	Dieldrin	0.017	0.13
130	Diethyl phthalate	0.20	28
131	2,4-Dimethyl phenol	0.036	14
132	Dimethyl phthalate	0.047	28
133	Di-n-butyl phthalate	0.057	28
134	1,4-Dinitrobenzene	0.32	2.3
135	4,6-Dinitro-o-cresol	0.28	160
136	2,4-Dinitrophenol	0.12	160
137	2,4-Dinitrotoluene	0.32	140
138	2,6-Dinitrotoluene	0.55	28
139	Di-n-octyl phthalate	0.017	28
140	p-Dimethylaminoazobenzene	0.13	NA
141	Di-n-propylnitrosamine	0.40	14
142	1,4-Dioxane	NA	170
143	Diphenylamine (difficult to distinguish from diphenylnitrosamine)	0.92	13
144	Diphenylnitrosamine (difficult to distinguish from diphenylamine)	0.92	13
145	1,2-Diphenylhydrazine	0.087	NA
146	Disulfoton	0.017	6.2
147	Endosulfan I	0.023	0.066
148	Endosulfan II	0.029	0.13
149	Endosulfan sulfate	0.029	0.13
150	Endrin	0.0028	0.13
151	Endrin Aldehyde	0.025	0.13
152	Ethyl acetate	0.34	33
153	Ethyl cyanide (Propanenitrile)	0.24	360
154	Ethyl benzene	0.057	10
155	Ethyl ether	0.12	160
156	bis (2-Ethylhexyl) phthalate	0.28	28
157	Ethyl methacrylate	0.14	160
158	Ethylene oxide	0.12	NA
159	Famphur	0.017	15
160	Fluoranthene	0.068	3.4
161	Fluorene	0.059	3.4
162	Heptachlor	0.0012	0.066
163	Heptachlor epoxide	0.016	0.066
164	Hexachlorobenzene	0.055	10
165	Hexachlorobutadiene	0.055	5.6
166	Hexachlorocyclopentadiene	0.057	2.4
167	HxCDDs (All Hexachlorodibenzo-p-dioxins)	0.000063	0.001
168	HxCDFs (All Hexachlorodibenzofurans)	0.000063	0.001
169	Hexachloroethane	0.055	30
170	Hexachloropropylene	0.035	30
171	Indeno (1, 2, 3-c, d) pyrene	0.0055	3.4
172	Iodomethane	0.19	65
173	Isobutyl alcohol	5.6	170
174	Isodrin	0.021	0.066
175	Isosafrole	0.081	2.6
176	Kepone	0.0011	0.13
177	Methacrylonitrile	0.24	84
178	Methanol	5.6	0.75 mg/l TCLP
179	Methapyrilene	0.081	1.5
180	Methoxychlor	0.25	0.18
181	3-Methylcholanthrene	0.0055	15
182	4,4-Methylene bis (2-chloroaniline)	0.50	30
183	Methylene chloride	0.089	30
184	Methyl ethyl ketone	0.28	36
185	Methyl isobutyl ketone	0.14	33
186	Methyl methacrylate	0.14	160
187	Methyl methanesulfonate	0.18	NA
188	Methyl parathion	0.014	4.6
189	Naphthalene	0.059	5.6
190	2-Naphthylamine	0.52	NA
191	o-Nitroaniline	0.27	14
192	p-Nitroaniline	0.028	28
193	Nitrobenzene	0.068	14
194	5-Nitro-o-toluidine	0.32	28
195	o-Nitrophenol	0.028	13
196	p-Nitrophenol	0.12	29
197	N-Nitrosodiethylamine	0.40	28
198	N-Nitrosodimethylamine	0.40	2.3
199	N-Nitroso-di-n-butylamine	0.40	17
200	N-Nitrosomethylethylamine	0.40	2.3
201	N-Nitrosomorpholine	0.40	2.3
202	N-Nitrosopiperidine	0.013	35
203	N-Nitrosopyrrolidine	0.013	35
204	Parathion	0.014	4.6
205	Total PCBs (sum of all PCB isomers, or all Aroclors)	0.10	10
206	Pentachlorobenzene	0.055	10
207	PeCDDs (All Pentachlorodibenzo-p-dioxins)	0.000063	0.001
208	PeCDFs (All Pentachlorodibenzofurans)	0.000035	0.001
209	Pentachloroethane	0.055	6.0
210	Pentachloronitrobenzene	0.055	4.8
211	Pentachlorophenol	0.089	7.4
212	Phenacetin	0.081	16
213	Phenanthrene	0.059	5.6
214	Phenol	0.039	6.2
215	Phorate	0.021	4.6
216	Phthalic acid	0.055	28
217	Phthalic anhydride	0.055	28
218	Pronamide	0.093	1.5
219	Pyrene	0.067	8.2
220	Pyridine	0.014	16
221	Safrole	0.081	22
222	Silvex (2,4,5-TP)	0.72	7.9
223	2,4,5-T (2,4,5-Trichlorophenoxyacetic acid)	0.72	7.9
224	1,2,4,5-Tetrachlorobenzene	0.055	14
225	TCDDs (All Tetrachlorodibenzo-p-dioxins)	.000063	.001
226	TCDFs (All Tetrachlorodibenzofurans)	.000063	.001
227	1,1,1,2-Tetrachloroethane	0.057	6.0
228	1,1,2,2-Tetrachloroethane	0.057	6.0
229	Tetrachloroethylene	0.056	6.0
230	2,3,4,6-Tetrachlorophenol	0.030	7.4
231	Toluene	0.080	10
232	Toxaphene	0.0095	2.6
233	Bromoform (Tribromomethane)	0.63	15
234	1,2,4-Trichlorobenzene	0.055	19
235	1,1,1-Trichloroethane	0.054	6.0
236	1,1,2-Trichloroethane	0.054	6.0
237	Trichloroethylene	0.054	6.0
238	Trichlorofluoromethane	0.020	30
239	2,4,5-Trichlorophenol	0.18	7.4
240	2,4,6-Trichlorophenol	0.035	7.4
241	1,2,3-Trichloropropane	0.85	30
242	1,1,2-Trichloro-1,2,2-trifluoroethane	0.057	30
243	tris-(2,3-Dibromopropyl) phosphate	0.11	0.10
244	Vinyl chloride	0.27	6.0
245	Xylenes-mixed isomers (sum of o-, m-, and p-xylene concentrations)	0.32	30
246	Antimony	1.9	2.1 mg/l TCLP
247	Arsenic	1.4	5.0 mg/l TCLP
248	Barium	1.2	7.6 mg/l TCLP
249	Beryllium	.082	0.014 mg/l TCLP
250	Cadmium	0.69	0.19 mg/l TCLP
251	Chromium (Total)	2.77	0.86 mg/l TCLP
252	Cyanides (Total) [4]	1.2	590
253	Cyanides (Amenable) [4]	0.86	30
254	Fluoride	35	NA
255	Lead	0.69	0.37 mg/l TCLP
256	Mercury — Nonwastewaters from Retort	NA	0.20 mg/l TCLP
257	Mercury — All others	0.15	0.025 mg/l TCLP
258	Nickel	3.98	5.0 mg/l TCLP
259	Selenium	0.82	0.16 mg/l TCLP
260	Silver	0.43	0.30 mg/l TCLP
261	Sulfide	14	NA
262	Thallium	1.4	0.078 mg/l TCLP
263	Vanadium	4.3	0.23 mg/l TCLP
264	Zinc [5]	2.61	5.3 mg/l TCLP

[1] Concentration standards for wastewaters are expressed in mg/l are based on analysis of composite samples.

[2] Except for Metals (EP or TCLP) and Cyanides (Total and Amenable) the nonwastewater treatment standards expressed as a concentration were established, in part, based upon incineration in units operated in accordance with the technical requirements of 40 CFR part 264, subpart O or 40 CFR part 265, subpart O, or based upon combustion in fuel substitution units operating in accordance with applicable technical requirements. A facility may comply with these treatment standards according to provisions in 40 CFR 268.40 (d). All concentration standards for nonwastewaters are based on analysis of grab samples.

[4] Both Cyanides (Total) and Cyanides (Amenable) for nonwastewaters are to be analyzed using Method 9010 or 9012, found in "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", EPA Publication SW-846 as incorporated by reference in 40 CFR 260.11, with a sample size of 10 grams and a distillation time of one hour and 15 minutes.

[5] Zinc is not an "underlying hazardous constituent" in characteristic wastes, according to the definition at 268.2(i).

Note: NA means not applicable.