APPENDIX C

200 AREA EFFLUENT TREATMENT FACILITY DELISTING TREATABILITY ENVELOPE

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Table C-1. 200 Area Effluent Treatment Facility Delisting Treatability Envelope for Inorganics. (2 Sheets)

Treat-ability Group	Constituent	CAS #	HBL [1] (mg/L)	Removal Efficiency [2]	Treatability Envelope Concentration to meet 6 * HBL (mg/L) [3]
21	Aluminum [4] (DOE/RL-92-72)	7429-90-5	TBD	> 96	1.50E+02
21	Barium (DOE/RL-92-72) (DL)[5]	7440-39-3	2	99.9	1.20E+04
21	Beryllium (DOE/RL-92-72) (DL)[5]	7440-41-7	0.004	> 98.7	1.85E-00
21	Cesium (DOE/RL-92-72)	7440-46-2	TBD	> 96.6	1.76E+02
21	Cobalt	7440-48-4	TBD	99.9	6.00E+03
21	Iron (DOE/RL-92-72)	7439-89-6	TBD	> 98.4	3.75E+02
21	Nickel (DOE/RL-92-72) (DL)[5]	7440-02-0	0.1	> 98.7	4.62E+01
21	Osmium	7440-04-2	TBD	> 97.5	2.40E+02
21	Ruthenium (DOE/RL-92-72)	7440-18-8	TBD	> 90	6.00E+01
21	Silicon (DOE/RL-92-72)	7440-21-3	TBD	99.9	6.00E+03
21	Silver (DOE/RL-92-72) (DL)[5]	7440-22-4	0.2	> 85.5	8.28E-00
21	Sodium (DOE/RL-92-72)	7440-23-5	TBD	99.9	6.00E+03
21	Strontium (DOE/RL-92-72)	7440-24-6	TBD	99.9	6.00E+03
21	Tin	7440-31-5	TBD	> 97.5	2.40E+02
21	Vanadium (DOE/RL-92-72) (DL)[5]	7440-62-2	0.2	92	1.50E+01
21	Zinc (DOE/RL-92-72) (DL)[5]	7440-66-6	7	> 98.5	2.80E+03
22	Antimony (DL)[5]	7440-36-0	TBD	99.8	3.00E+03
22	Arsenic (DOE/RL-92-72) (DL)[5]	7440-38-2	0.05	99.9	3.00E+02
22	Cadmium (DOE/RL-92-72) (DL)[5]	7440-43-9	0.005	99.9	3.00E+01
22	Chromium (DOE/RL-92-72) (DL)[5]	7440-47-3	0.1	99.9	6.00E+02
22	Copper [4] (DOE/RL-92-72)	7440-50-8	TBD	> 99.6	1.50E+03
22	Lead (DOE/RL-92-72) (DL)[5]	7439-92-1	0.015	99.9	9.00E+01
22	Mercury (DOE/RL-92-72) (DL)[5]	7439-97-6	0.002	99.9	1.20E+01
22	Selenium (DOE/RL-92-72) (DL)[5]	7782-49-2	0.05	99.9	3.00E+02
22	Thallium	7440-28-0	TBD	> 93.4	9.09E+01
23 a	Chloride (DOE/RL-92-72)	16887-00-6	TBD	99.9	6.00E+03
23 a	Fluoride (DOE/RL-92-72) (DL)[5]	7782-41-4	4	99.9	2.40E+04
23	Nitrate (as N) (DOE/RL-92-72)	14797-55-8	TBD	99.9	6.00E+03
23	Nitrite (as N) (DOE/RL-92-72)	14797-65-0	TBD	99.4	1.00E+03
23	Phosphate (DOE/RL-92-72)	NA	TBD	96.3	1.62E+02
23	Sulfate (DOE/RL-92-72)	14808-79-8	TBD	99.9	6.00E+03
23	Sulfide	NA	TBD	99.9	6.00E+03
24	Ammonium (DOE/RL-92-72) (DL)[5]	7664-41-7	TBD	99.9	6.00E+03
24	Cyanide [6] (DOE/RL-92-72) (DL)[5]	57-12-5	0.2	99.9	1.20E+03

[1] The HBLs were taken from EPA 1994. Constituents not included in this docket report indicate a HBL is to be determined (TBD). To complete this evaluation, when a HBL is TBD, a value of 1 mg/L was assumed. When a HBL is established for a constituent, the influent concentration envelope will be recalculated.

Table C-1. 200 Area Effluent Treatment Facility Delisting Treatability Envelope for Inorganics. (2 Sheets)

Treat-ability Group	Constituent	CAS #	HBL [1] (mg/L)	Removal Efficiency [2]	Treatability Envelope Concentration to meet 6 * HBL (mg/L) [3]

[2] The historic ETF treatment efficiency (Appendix A) was used when available, if not available, the pilot plant predicted treatment efficiency was used. When a treatment efficiency of 100 percent was indicated, the treatability envelope was calculated using 99.9 percent.
[3] The ETF influent concentration, where treatment in the ETF by once-through operation, yields a treated liquid waste concentration of less than 6 times the HBL.
[4] Pilot plant treatment efficiency used for aluminum and copper as pilot plant testing better represents expected treatment. Pilot plant testing was performed with much higher concentrations of aluminum and copper.
[5] DL indicates a delisting limit established in the final delisting (40 CFR 261 Appendix IX, Table 2).
[6] Cyanide removal efficiency is based on the concentration to UV/OX system. Cyanide is destroyed in the UV/OX system, (DOE/RL-92-72).

CAS # = Chemical Abstract Service number.
DL = indicates the constituent has a delisting level included as part of the initial ETF delisting action (EPA 1995).
DOE/RL-92-72 = Indicates the constituent was addressed and delisted as part of the initial ETF delisting action (EPA 1995).
ETF = Effluent Treatment Facility.
HBL = health-based level.
mg/L = milligrams per liter.
NA = not applicable.
TBD = to be determined.

Table C-2. 200 Area Effluent Treatment Facility Delisting Treatability Envelope for Organics. (13 Sheets)

Treat-ability Group	Constituent [1]	CAS #	HBL (mg/L) [2]	EE/O [3]	Limiting Factors [4]	Treatability Envelope to meet 6 * HBL (mg/L) [5]
1	2,4-Dimethylphenol	105-67-9	0.7	10	L	2.00E+03
1	Coal tar creosote	8007-45-2	TBD	10	S	1.00E+02
1	Creosote	8001-58-9	TBD	10	S	1.00E+02
1	Cresol [Cresylic acid] (DOE/RL-92-72) (DL)[6]	1319-77-3	2	10	S	3.10E+04
1	m-Cresol [3-Methylphenol]	108-39-4	TBD	10	S	2.50E+04
1	o-Cresol [2-Methylphenol]	95-48-7	TBD	10	S	2.50E+04
1	p-Cresol [4-Methylphenol]	106-44-5	TBD	10	S	2.50E+04
1	Phenol (DOE/RL-92-72)	108-95-2	20	4	S	9.30E+04
1	Resorcinol	108-46-3	TBD	10	L	1.00E+05
2	2,3,4,6-Tetrachlorophenol	58-90-2	1	10	S	1.00E+03
2	2,3,4,6-tetrachlorophenol, potassium salt [2,3,4,6-tetrachlorophenol salt]	53535-27-6	TBD	10	S	1.00E+03
2	2,3,4,6-tetrachlorophenol, sodium salt [2,3,4,6-tetrachlorophenol, salt]	25567-55-9	TBD	10	S	1.00E+03
2	2,4,5-Trichlorophenol	95-95-4	4	10	S	1.19E+03
2	2,4,6-Tribromophenol	118-79-6	TBD	10	S	7.00E+01
2	2,4,6-Trichlorophenol	88-06-2	0.008	10	S	8.00E+02
2	2,4-Dichlorophenol	120-83-2	0.1	10	L	2.00E+03
2	2,6-Dichlorophenol	87-65-0	TBD	10	L	2.00E+03
2	4-Chloro-3-methylphenol	59-50-7	TBD	10	L	2.00E+03
2	Diethylstilbesterol	56-53-1	2.00E-08	10	H	3.15E-01
2	o-Chlorophenol	95-57-8	0.2	10	L	2.00E+03
2	Pentachlorophenol (DOE/RL-92-72)	87-86-5	0.001	4	S	1.40E+01
2	Potassium pentachlorophenate [Pentachlorophenol salt]	7978-73-6	0.001	4	L	1.00E+05
2	Sodium pentachlorophenate [Pentachlorophenol salt]	131-52-2	0.001	4	L	1.00E+05
3	1,4-Naphthoquinone	130-15-4	TBD	10	S	1.00E+02
3	Acenaphthene	83-32-9	2	10	S	3.42E+00
3	Acenaphthylene	208-96-8	TBD	10	S	3.93E+00
3	alpha, alpha-Dimethyl benzyl hydroperoxide	80-15-9	TBD	10	L	2.00E+03
3	Anthracene	120-12-7	10	10	S	1.29E+00
3	Benzene (DOE/RL-92-72) (DL)[6]	71-43-2	0.005	3	S	1.75E+03
3	Benzenearsonic acid (Arsenic)	98-05-5	TBD	10	S	3.80E+04
3	Cumene	98-82-8	1	10	S	5.00E+01
3	Cyclohexane	110-82-7	TBD	15	S	5.20E+01
3	Dihydrosafrole	94-58-6	TBD	10	S	5.69E+01
3	Fluorene	86-73-7	1	10	S	1.69E+00
3	Naphthalene (DOE/RL-92-72) (DL)[6]	91-20-3	1	3	S	3.40E+01
3	p-Benzoquinone	106-51-4	TBD	10	L	2.00E+03

Table C-2. 200 Area Effluent Treatment Facility Delisting Treatability Envelope for Organics. (13 Sheets)

Treat-ability Group	Constituent [1]	CAS #	HBL (mg/L) [2]	EE/O [3]	Limiting Factors [4]	Treatability Envelope to meet 6 * HBL (mg/L) [5]
3	Phenanthrene	85-01-8	TBD	10	S	1.60E+00
3	Styrene	100-42-5	0.1	7	S	3.00E+02
4	3-Methylcholanthrene	56-49-5	3E-08	10	S	2.90E-03
4	7,12-Dimethylbenz[a]anthracene	57-97-6	3.00E-06	10	S	4.40E-02
4	Aflatoxins	1402-68-2	TBD	10	L	2.00E+03
4	Benz[c]acridine	225-51-4	TBD	10	S	3.46E-01
4	Benzo(a)anthracene	56-55-3	0.000004	10	S	5.70E-03
4	Benzo[a]pyrene	50-32-8	0.0002	10	S	1.20E-03
4	Benzo[b]fluoranthene	205-99-2	0.0001	10	S	1.40E-02
4	Benzo[ghi]perylene	191-24-2	TBD	10	S	2.60E-04
4	Benzo[j]fluoranthene	205-82-3	TBD	10	S	2.50E-03
4	Benzo[k]fluoranthene	207-08-9	TBD	10	S	7.60E-04
4	Chrysene	218-01-9	0.001	10	S	1.80E-03
4	Daunomycin	20830-81-3	TBD	10	S	3.92E+01
4	Dibenzo[a,e]pyrene	192-65-4	TBD	10	S	8.02E-05
4	Dibenzo[a,h]anthracene	53-70-3	0.000002	10	S	5.00E-04
4	Dibenzo[a,h]pyrene	189-64-0	TBD	10	S	3.50E-05
4	Dibenzo[a,i]pyrene	189-55-9	TBD	10	S	5.54E-04
4	Fluoranthrene	206-44-0	1	10	S	2.06E-01
4	Indeno(1,2,3,cd)pyrene	193-39-5	0.0001	15	S	5.30E-04
4	Pyrene (DOE/RL-92-72)	129-00-0	1	4	S	1.32E-01
5a	1,2,4,5-Tetrachlorobenzene	95-94-3	0.01	20	S	6.00E+00
5a	1,2,4-Trichlorobenzene	120-82-1	0.07	15	S	3.00E+01
5a	Chlorobenzilate	510-15-6	0.0003	10	L	2.00E+03
5a	Hexachlorobenzene	118-74-1	0.001	10	S	6.00E-03
5a	m-Dichlorobenzene	541-73-1	TBD	15	S	1.23E+02
5a	o-Dichlorobenzene	95-50-1	0.6	15	S	1.00E+02
5a	p-Dichlorobenzene (DOE/RL-92-72) (DL)[6]	106-46-7	0.075	5	S	7.90E+01
5a	Pentachlorobenzene	608-93-5	0.03	20	S	1.35E-01
5	1-(o-Chlorophenyl)thiourea	5344-82-1	TBD	10	L	2.00E+03
5	2,4-D salts & esters	94-11-1	TBD	10	S	4.60E+01
5	2-Chloronaphthalene [beta-Chloronaphthalene]	91-58-7	3	10	S	6.74E+00
5	Benzal chloride	98-87-3	TBD	10	S	1.00E+00
5	Benzenesulfonyl chloride	98-09-9	TBD	10	S	1.76E+02
5	Benzotrichloride	98-07-7	TBD	10	S	5.30E+01
5	Benzyl chloride	100-44-7	5.00E-04	10	L	2.00E+03
5	Heptachlorodibenzofuran	38998-75-3	TBD	15	S	1.00E+00
5	Heptachlorodibenzo-p-dioxins	35822-46-9	TBD	15	S	2.40E-06
5	Hexachlorophene	70-30-4	0.01	10	S	1.40E+02
6a	Hexachloroethane (DOE/RL-92-72) (DL)[6]	67-72-1	0.006	100	H	1.58E-01

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Treat-ability Group	Constituent [1]	CAS #	HBL (mg/L) [2]	EE/O [3]	Limiting Factors [4]	Treatability Envelope to meet 6 * HBL (mg/L) [5]
6a	Mustard gas	505-60-2	TBD	5	S	6.80E+02
6a	Pentachloroethane	76-01-7	TBD	100	H	2.63E+01
6b	1,3-Dichloropropene	542-75-6	0.0005	7	L	2.00E+03
6b	1,3-Pentadiene	504-60-9	TBD	10	S	3.41E+02
6b	1,4-Dichloro-2-butene	764-41-0	TBD	10	S	8.50E+02
6b	Chloroprene [2-Chloro-1,3-butadiene]	126-99-8	0.7	10	S	3.00E+02
6b	cis-1,3-Dichloropropene	10061-01-5	TBD	7	L	2.00E+03
6b	Hexachlorobutadiene	87-68-3	0.001	10	S	3.20E+00
6b	Hexachlorocyclopentadiene	77-47-4	0.05	10	S	2.10E+00
6b	Hexachloropropene	1888-71-7	0.01	10	S	1.70E+01
7a	2-Chloroethyl vinyl ether	110-75-8	TBD	10	L	2.00E+03
7a	2-Ethoxyethanol [Ethylene glycol monoethyl ether]	110-80-5	10	10	L	2.00E+03
7a	bis(2-Chloroethoxy) methane	111-91-1	TBD	15	L	2.00E+03
7a	Bis(2-Chloroethyl) ether (DOE/RL-92-72)	111-44-4	0.00008	5	L	2.00E+03
7a	Bis(2-Chloroisopropyl) ether	39638-32-9	0.001	15	H	1.14E+02
7a	Chloromethyl methyl ether	107-30-2	TBD	ND [7]	NA [7]	NA [7]
7a	Dichloroisopropyl ether	108-60-1	0.001	15	H	1.14E+02
7a	Dichloromethyl ether	542-88-1	TBD	10	S	1.02E+03
7a	Diethylene glycol, dicarbamate	5952-26-1	TBD	10	S	1.00E+00
7b	4-Bromophenylphenyl ether	101-55-3	TBD	10	S	1.00E+00
7b	4-Chlorophenyl phenyl ether (DOE/RL-92-72)	7005-72-3	TBD	4	S	3.30E+00
8	Bis(2-Ethylhexyl) phthalate (DOE/RL-92-72)	117-81-7	0.006	5	S	4.00E-01
8	Butylbenzylphthalate	85-68-7	0.1	15	S	2.90E+00
8	Diethylphthalate	84-66-2	30	15	S	8.96E+02
8	Dimethyl phthalate	131-11-3	400	15	S	4.30E+03
8	Di-n-butylphthalate	84-74-2	4	15	S	1.30E+01
8	Di-n-octylphthalate (DL)[6]	117-84-0	0.7	15	S	3.00E+00
9a	1-Butanol (DOE/RL-92-72) (DL)[6]	71-36-3	4	10	S	9.10E+04
9a	Allyl alcohol	107-18-6	TBD	10	S	1.00E+05
9a	Benzyl alcohol (DOE/RL-92-72) (DL)[6]	100-51-6	10	10	S	4.00E+04
9a	Isobutyl alcohol	78-83-1	10	20	S	7.60E+04
9a	Methanol	67-56-1	20	15	L	5.00E+05
9a	Propargyl alcohol	107-19-7	TBD	10	L	5.00E+05
9	1,2:3,4-Diepoxybutane	1464-53-5	TBD	20	L	2.00E+03
9	1,3-Propane sultone	1120-71-4	1	20	L	2.00E+03
9	1,4-Dioxane [1,4-Diethyleneoxide]	123-91-1	0.008	5	L	2.00E+03
9	2,4,5-T	93-76-5	0.4	20	S	2.40E+02
9	2,4,5-TP [Silvex]	93-72-1	0.05	20	S	1.40E+02

Table C-2. 200 Area Effluent Treatment Facility Delisting Treatability Envelope for Organics. (13 Sheets)

Treat-ability Group	Constituent [1]	CAS #	HBL (mg/L) [2]	EE/O [3]	Limiting Factors [4]	Treatability Envelope to meet 6 * HBL (mg/L) [5]
9	2,4-D [2,4-Dichlorophenoxyacetic acid]	94-75-7	0.07	20	H	6.80E+02
9	Acetyl chloride	75-36-5	TBD	ND [7]	NA [7]	NA [7]
9	Acrylic Acid	79-10-7	TBD	20	L	2.00E+03
9	Bendiocarb phenol	22961-82-6	TBD	20	S	1.00E+00
9	Cacodylic acid (Arsenic)	75-60-5	TBD	20	L	2.00E+03
9	Carbofuran phenol	1563-38-8	TBD	30	H	8.27E+02
9	Carbon oxyfluoride	353-50-4	TBD	ND [7]	NA [7]	NA [7]
9	Chloral	75-87-6	TBD	20	L	2.00E+03
9	Diisopropylfluorophosphate (DFP)	55-91-4	TBD	20	L	2.00E+03
9	Dimethyl sulfate	77-78-1	TBD	20	L	2.00E+03
9	Ethyl Acetate	141-78-6	30	15	S & L	1.00E+05
9	Ethyl acrylate	140-88-5	TBD	20	L	2.00E+03
9	Ethyl methanesulfonate	62-50-0	3.00E-07	20	H	2.91E-03
9	Ethylene oxide [Oxirane]	75-21-8	TBD	20	L	2.00E+03
9	Fluoroacetic acid, sodium salt	62-74-8	TBD	20	L	2.00E+03
9	Formic acid	64-18-6	70	20	L	2.00E+03
9	Hexaethyl tetraphosphate	757-58-4	TBD	20	L	2.00E+03
9	Isophorone	78-59-1	0.09	30	H	7.45E+01
9	Kepone	143-50-0	0.000002	15	H	2.28E-01
9	Lasiocarpine	303-34-4	TBD	20	L	2.00E+03
9	Lead subacetate (Lead)	1335-32-6	TBD	15	S	6.25E+04
9	Maleic anhydride	108-31-6	TBD	20	L	2.00E+03
9	Methyl chlorocarbonate	79-22-1	TBD	ND [7]	NA [7]	NA [7]
9	Methyl methacrylate	80-62-6	3	20	L	2.00E+03
9	Methyl methanesulfonate	66-27-3	TBD	20	L	2.00E+03
9	Metolcarb	1129-41-5	TBD	20	L	2.00E+03
9	O,O-Diethyl S-methyl dithiophosphate	3288-58-2	TBD	20	S	1.00E+00
9	Phenyl mercuric acetate	62-38-4	TBD	15	S	4.37E+03
9	Phosgene	75-44-5	TBD	20	S	1.00E+02
9	Phthalic anhydride	85-44-9	TBD	15	L	2.00E+03
9	Safrole	94-59-7	0.0005	20	H	4.86E+00
9	TCDD	1746-01-6	TBD	15	S	2.00E-04
9	Tetraethyl pyrophosphate	107-49-3	TBD	20	L	2.00E+03
9	Tetraethyldithiopyrophosphate	3689-24-5	0.02	20	S	3.00E+01
9	Vinyl acetate	108-05-4	40	15	S	2.00E+04
9	Warfarin salts	81-81-2	TBD	20	L	2.00E+03
10a	1,1-Dimethylhydrazine	57-14-7	TBD	10	S & L	1.00E+05
10a	1,2-Dimethylhydrazine	540-73-8	TBD	10	S & L	1.00E+05
10a	2-Acethylaminofluorene	53-96-3	TBD	10	S	5.53E+00
10a	4-Aminobiphenyl	92-67-1	TBD	10	S	8.42E+02
10a	Acrylamide	79-06-1	2.00E-05	30	H	1.65E-02

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Treat-ability Group	Constituent [1]	CAS #	HBL (mg/L) [2]	EE/O [3]	Limiting Factors [4]	Treatability Envelope to meet 6 * HBL (mg/L) [5]
10a	Dimethylamine	124-40-3	TBD	30	H	8.27E+02
10a	Diphenylamine	122-39-4	0.9	15	S	5.76E+01
10a	Dipropylamine	142-84-7	TBD	30	H	8.27E+02
10a	Ethylenebisdithiocarbamic acid	111-54-6	TBD	30	H	8.27E+02
10a	Ethylenebisdithiocarbamic acid, salts and esters	generic	TBD	30	S	1.00E+02
10a	Fluoroacetamide	640-19-7	TBD	30	H	8.27E+02
10a	Formetanate hydrochloride	23422-53-9	TBD	30	H	8.27E+02
10a	Hydrazine	302-01-2	TBD	5	L	1.00E+05
10a	Methomyl	16752-77-5	TBD	30	H	8.27E+02
10a	Methylhydrazine	60-34-4	TBD	10	L	2.00E+03
10a	N,N'-Diethylhydrazine	1615-80-1	TBD	10	L	2.00E+03
10a	Nitrogen mustard	51-75-2	TBD	30	H	8.27E+02
10a	Nitrogen mustard hydrochloride (salt)	55-86-7	TBD	30	H	8.27E+02
10a	Nitrogen mustard N-oxide	126-85-2	TBD	30	S	1.00E+00
10a	Nitrogen mustard, N-oxide, hydrochloride salt	302-70-5	TBD	30	H	8.27E+02
10a	n-Propylamine	107-10-8	TBD	30	H	8.27E+02
10a	o-Phenylenediamine	95-54-5	TBD	30	H	8.27E+02
10a	Phenacetin [p-Acetophenetidide]	62-44-2	TBD	20	S	5.30E+02
10a	p-Phenylenediamine	106-50-3	7	30	L	2.00E+03
10a	Pronamide	23950-58-5	0.005	20	H	4.86E+01
10a	Selenourea (Selenium)	630-10-4	TBD	30	H	8.27E+02
10a	Thiourea	62-56-6	TBD	30	H	8.27E+02
10a	Thiram	137-26-8	TBD	30	S	3.00E+01
10a	Tirpate	26419-73-8	TBD	30	S	1.00E+00
10a	Triethylamine	121-44-8	TBD	30	H	8.27E+02
10a	Uracil mustard	66-75-1	TBD	30	H	8.27E+02
10b	4,4'-Methylenebis(2-chloroaniline)	101-14-4	TBD	10	S	1.39E+01
10b	Aniline (DOE/RL-92-72)	62-53-3	0.01	4	L	2.00E+03
10b	o-Nitroaniline	88-74-4	TBD	10	S	1.47E+03
10b	p-Chloroaniline	106-47-8	0.1	10	L	2.00E+03
10b	p-Nitroaniline	100-01-6	TBD	10	S	6.00E+02
10c	2-Methyllactonitrile	75-86-5	TBD	10	L	2.00E+03
10c	3-Chloropropionitrile	542-76-7	TBD	10	L	2.00E+03
10c	Acetonitrile (DOE/RL-92-72)	75-05-8	0.2	50	H	2.31E+01
10c	Acrylonitrile	107-13-1	0.0002	5	L	2.00E+03
10c	Cyanogen	460-19-5	TBD	10	L	2.00E+03
10c	Cyanogen bromide	506-68-3	TBD	10	L	2.00E+03
10c	Cyanogen chloride	506-77-4	2	10	L	2.00E+03
10c	Ethyl cyanide	107-12-0	TBD	10	L	2.00E+03
10c	Malononitrile	109-77-3	TBD	10	L	2.00E+03

Table C-2. 200 Area Effluent Treatment Facility Delisting Treatability Envelope for Organics. (13 Sheets)

Treat-ability Group	Constituent [1]	CAS #	HBL (mg/L) [2]	EE/O [3]	Limiting Factors [4]	Treatability Envelope to meet 6 * HBL (mg/L) [5]
10c	Methacrylonitrile	126-98-7	0.004	10	L	2.00E+03
10c	Methyl isocyanate	624-83-9	TBD	10	L	2.00E+03
10d	1,2-Diphenylhydrazine	122-66-7	1.00E-04	5	S	1.84E+03
10d	1,3,5-Trinitrobenzene	99-35-4	0.002	20	H	1.94E+01
10d	1,3-Dinitrobenzene	99-65-0	0.004	15	H	4.56E+02
10d	1,4-Dinitrobenzene	100-25-4	0.01	15	S	8.00E+01
10d	2,4-Dinitrophenol	51-28-5	0.07	7	L	2.00E+03
10d	2,4-Dinitrotoluene	121-14-2	0.0001	10	S	1.32E+03
10d	2,6-Dinitrotoluene	606-20-2	TBD	10	S	1.82E+02
10d	2-Cyclohexyl-4,6-dinitrophenol	131-89-5	TBD	7	S	1.50E+01
10d	3,3'-Dichlorobenzidine	91-94-1	0.0002	10	S	4.00E+00
10d	3,3'-Dimethoxybenzidine	119-90-4	0.006	10	S	6.00E+01
10d	3,3'-Dimethylbenzidine	119-93-7	9.00E-06	10	H	1.42E+02
10d	4,6-Dinitro-o-cresol	534-52-1	TBD	7	S	1.30E+02
10d	4,6-Dinitro-o-cresol salts	2312-76-7	TBD	10	S	1.30E+02
10d	4-Chloro-o-toluidine hydrochloride	3165-93-3	TBD	10	S	9.54E+02
10d	5-Nitro-o-toluidine	99-55-8	TBD	10	S	1.88E+03
10d	7H-Dibenzo[c,g]carbazole	194-59-2	TBD	20	S	6.30E-02
10d	alpha,alpha-Dimethylphenethylamine	122-09-8	TBD	30	S	1.00E+02
10d	alpha-Naphthylamine	134-32-7	TBD	10	S	1.70E+03
10d	alpha-Naphthylthiourea	86-88-4	TBD	30	S	6.00E+02
10d	Ammonium picrate	131-74-8	TBD	10	L	2.00E+03
10d	Auramine	492-80-8	TBD	20	S	5.35E+01
10d	Benzidine	92-87-5	4.00E-07	10	H	6.29E+00
10d	beta-Naphthylamine	91-59-8	1.00E-04	30	H	8.27E-02
10d	Carbazole	86-74-8	0.004	30	S	1.00E+00
10d	Chlorambucil	305-03-3	TBD	20	S	1.00E+00
10d	Chlornaphazin	494-03-1	TBD	30	S	1.39E+00
10d	Cycloate	1134-23-2	TBD	30	S	7.50E+01
10d	Dibenz[a,h]acridine	226-36-8	TBD	30	S	1.59E-01
10d	Dibenz[a,j]acridine	224-42-0	TBD	30	S	1.80E-02
10d	Diethyl-p-nitrophenyl phosphate	311-45-5	TBD	30	H	8.27E+02
10d	Dinitrobenzene, N.O.S.	25154-54-5	TBD	15	S	5.00E+02
10d	Epinephrine	51-43-4	TBD	20	S	1.00E+03
10d	Formparanate	17702-57-7	TBD	20	S	1.00E+00
10d	m-Cumenyl methylcarbamate	64-00-6	TBD	30	S	8.50E+01
10d	Melphalan (alanine nitrogen mustard)	148-82-3	TBD	20	S	4.57E+01
10d	Nitrobenzene (DOE/RL-92-72)	98-95-3	0.02	4	S	1.90E+03
10d	o-Toluidine	95-53-4	4.00E-04	10	S	7.00E+02
10d	o-Toluidine hydrochloride	636-21-5	TBD	10	L	2.00E+03
10d	p-Dimethylaminoazobenzene	60-11-7	TBD	30	S	1.36E+01

Table C-2. 200 Area Effluent Treatment Facility Delisting Treatability Envelope for Organics. (13 Sheets)

Treat-ability Group	Constituent [1]	CAS #	HBL (mg/L) [2]	EE/O [3]	Limiting Factors [4]	Treatability Envelope to meet 6 * HBL (mg/L) [5]
10d	Pentachloronitrobenzene (PCNB)	82-68-8	0.0003	40	S	7.11E-02
10d	Phenylenediamine	25265-76-3	TBD	30	H	8.27E+02
10d	Phenylthiourea	103-85-5	TBD	30	H	8.27E+02
10d	p-Nitrophenol	100-02-7	TBD	20	L	2.00E+03
10d	Propylthiouracil	51-52-5	TBD	30	H	8.27E+02
10d	Prosulfocarb	52888-80-9	TBD	30	S	1.32E+01
10d	p-Toluidine	106-49-0	4.00E-04	10	L	2.00E+03
10d	Reserpine	50-55-5	TBD	15	S	7.30E+01
10d	Saccharin and Saccharin salts	81-07-2	TBD	30	H	8.27E+02
10d	Toluene diisocyanate	26471-62-5	TBD	ND [7]	NA [7]	NA [7]
10d	Toluene-2,4-diamine	95-80-7	0.00003	30	H	2.48E-02
10d	Toluene-2,6-diamine	823-40-5	7	30	L	2.00E+03
10d	Toluene-3,4-diamine	496-72-0	TBD	30	H	8.27E+02
10d	Toluenediamine, mixed isomers	25376-45-8	TBD	30	H	8.27E+02
10d	Trypan blue	72-57-1	TBD	20	L	2.00E+03
10e	MNNG	70-25-7	TBD	ND [7]	NA [7]	NA [7]
10e	N-Nitrosodiethanolamine	1116-54-7	TBD	15	L	1.00E+05
10e	N-Nitrosodiethylamine	55-18-5	0.0000006	10	H	9.44E+00
10e	N-Nitrosodimethylamine (DOE/RL-92-72)	62-75-9	0.000002	10	H	3.15E+01
10e	N-Nitrosodi-n-butylamine	924-16-3	0.00002	15	H	2.28E+00
10e	N-Nitroso-di-n-dipropylamine (DOE/RL-92-72)	621-64-7	0.00001	4	S	9.90E+03
10e	N-Nitrosodiphenylamine	86-30-6	0.02	15	S	4.00E+01
10e	N-Nitrosomethylethylamine	10595-95-6	0.000004	10	H	6.29E+01
10e	N-Nitrosomethylvinylamine	4549-40-0	TBD	15	S	3.00E+04
10e	N-Nitrosomorpholine	59-89-2	TBD	10	L	1.00E+05
10e	N-Nitroso-N-ethylurea	759-73-9	TBD	15	S	1.30E+04
10e	N-Nitroso-N-methylurea	684-93-5	TBD	15	S	1.44E+04
10e	N-Nitroso-N-methylurethane	615-53-2	TBD	15	S	3.70E+04
10e	N-Nitrosonornicotine	16543-55-8	TBD	15	L	1.00E+05
10e	N-Nitrosopiperidine	100-75-4	0.000002	15	H	2.28E-01
10e	N-Nitrosopyrrolidine	930-55-2	0.00004	15	H	4.56E+00
10e	N-Nitrososarcosine	13256-22-9	TBD	15	L	1.00E+05
10e	Streptozotocin	18883-66-4	TBD	15	S	5.07E+03
10f	2-Picoline	109-06-8	TBD	10	L	1.00E+05
10f	4-Aminopyridine	504-24-5	TBD	10	S	8.33E+04
10f	Bis(pentamethylene)-thiuram tetrasulfide	120-54-7	TBD	20	S	1.00E+00
10f	Methapyrilene	91-80-5	TBD	15	S	8.79E+02
10f	Methylthiouracil	56-04-2	TBD	20	S	5.33E+02
10f	Nicotine	54-11-5	TBD	10	L	1.00E+05
10f	Nicotine salts	generic	TBD	10	L	1.00E+05

Table C-2. 200 Area Effluent Treatment Facility Delisting Treatability Envelope for Organics. (13 Sheets)

Treat-ability Group	Constituent [1]	CAS #	HBL (mg/L) [2]	EE/O [3]	Limiting Factors [4]	Treatability Envelope to meet 6 * HBL (mg/L) [5]
10f	Pyridine (DOE/RL-92-72)	110-86-1	0.04	4	L	1.00E+05
10	1-Acetyl-2-thiourea	591-08-2	TBD	20	S	1.00E+02
10	2-Methylaziridine	75-55-8	TBD	10	L	2.00E+03
10	2-Nitropropane	79-46-9	9.00E-06	20	H	8.74E-02
10	3-Iodo-2-propynyl n-butylcarbamate	55406-53-6	TBD	20	S	1.00E+00
10	5-(Aminomethyl)-3-isoxazolol	2763-96-4	TBD	10	L	2.00E+03
10	Aldicarb sulfone	1646-88-4	TBD	30	H	8.27E+02
10	Amitrole	61-82-5	TBD	20	L	2.00E+03
10	Azaserine	115-02-6	TBD	20	L	2.00E+03
10	Citrus red No. 2	6358-53-8	TBD	10	S	1.00E+02
10	Cycasin	14901-08-7	TBD	20	L	2.00E+03
10	Cyclophosphamide	50-18-0	TBD	20	L	2.00E+03
10	Diallate	2303-16-4	0.001	20	H	9.72E+00
10	Dimethylcarbamoyl chloride	79-44-7	TBD	ND [7]	NA [7]	NA [7]
10	Disulfiram	97-77-8	TBD	30	S	4.09E+00
10	Dithiobiuret	541-53-7	TBD	20	L	2.00E+03
10	Ethyl carbamate [Urethane]	51-79-6	TBD	20	L	2.00E+03
10	Ethyleneimine	151-56-4	TBD	10	L	2.00E+03
10	Ethylenethiourea	96-45-7	TBD	20	L	2.00E+03
10	Manganese dimethyldithiocarbamate	15339-36-3	TBD	30	S	1.00E+00
10	Mitomycin C	50-07-7	TBD	10	L	2.00E+03
10	Nitroglycerin	55-63-0	TBD	30	H	8.27E+02
10	Physostigmine	57-47-6	TBD	30	H	8.27E+02
10	Physostigmine salicylate	57-64-7	TBD	30	H	8.27E+02
10	Potassium n-hyroxymethyl-n-methyl-dithiocarbamate	51026-28-9	TBD	30	H	8.27E+02
10	Sodium diethyldithiocarbamate	148-18-5	TBD	30	H	8.27E+02
10	Sulfallate	95-06-7	TBD	30	S	1.00E+02
10	Tetrabutylthiuram disulfide	1634-02-2	TBD	30	S	1.00E+00
10	Tetramethylthiuram monosulfide	97-74-5	TBD	30	H	8.27E+02
10	Tetranitromethane	509-14-8	TBD	30	S	1.00E+00
10	Thioacetamide	62-55-5	TBD	30	H	8.27E+02
10	Thiosemicarbazide	79-19-6	TBD	30	H	8.27E+02
10	Tris(1-aziridinyl)phosphine sulfide	52-24-4	TBD	30	H	8.27E+02
11	A2213	30558-43-1	TBD	30	S	1.00E+00
11	Aldicarb	116-06-3	TBD	30	H	8.27E+02
11	Aldrin	309-00-2	0.000005	30	H	4.14E-03
11	Alpha-BHC	319-84-6	0.00001	60	H	7.05E-04
11	Aramite	140-57-8	0.003	30	S	1.00E-01
11	Barban	101-27-9	TBD	30	S	1.10E+01
11	Bendiocarb	22781-23-3	TBD	30	S	4.00E+01
11	Benomyl	17804-35-2	TBD	30	S	3.80E+00

Table C-2. 200 Area Effluent Treatment Facility Delisting Treatability Envelope for Organics. (13 Sheets)

Treat-ability Group	Constituent [1]	CAS #	HBL (mg/L) [2]	EE/O [3]	Limiting Factors [4]	Treatability Envelope to meet 6 * HBL (mg/L) [5]
11	Beta-BHC	319-85-7	0.00005	60	H	3.52E-03
11	Brucine	357-57-3	TBD	30	H	8.27E+02
11	Butylate	2008-41-5	TBD	30	S	4.40E+01
11	Carbaryl	63-25-2	TBD	30	S	1.20E+02
11	Carbendazim	10605-21-7	TBD	30	S	2.90E+01
11	Carbofuran	1563-66-2	TBD	30	S	7.00E+02
11	Carbosulfan	55285-14-8	TBD	30	S	3.00E-01
11	Chlordane	57-74-9	0.002	60	H	1.41E-01
11	Copper dimethyldithiocarbamate	137-29-1	TBD	30	S	1.00E+00
11	Dazomet	533-74-4	TBD	30	H	8.27E+02
11	DDD (p,p"-DDD)	72-54-8	0.0004	30	S	1.00E-01
11	DDE (p,p'-DDE)	72-55-9	0.0003	30	S	4.00E-02
11	DDT (p,p'-DDT)	50-29-3	0.0003	30	S	5.00E-03
11	Delta-BHC	319-86-8	TBD	60	S	1.00E+01
11	Dieldrin	60-57-1	0.000005	30	H	4.14E-03
11	Dimethoate	60-51-5	0.007	30	H	5.79E+00
11	Dimetilan	644-64-4	TBD	30	H	8.27E+02
11	Dinoseb	88-85-7	0.007	30	H	5.79E+00
11	Disolfoton	298-04-4	0.001	20	H	9.72E+00
11	Endosulfan	115-29-7	0.2	20	S	5.30E-01
11	Endosulfan I	959-98-8	TBD	20	S	5.10E-01
11	Endosulfan II	33213-65-9	TBD	20	S	4.50E-01
11	Endosulfan sulfate	1031-07-8	TBD	20	S	1.17E-01
11	Endothall	145-73-3	0.1	30	H	8.27E+01
11	Endrin	72-20-8	0.002	20	S	2.50E-01
11	Endrin aldehyde	7421-93-4	TBD	20	S	2.50E-01
11	Epichlorohydrin	106-89-8	0.009	30	H	7.45E+00
11	EPTC	759-94-4	TBD	30	S	3.75E+02
11	Ethyl Ziram	14324-55-1	TBD	30	S	1.00E+00
11	Famphur	52-85-7	0.001	20	H	9.72E+00
11	Ferbam	14484-64-1	TBD	30	S	1.20E+02
11	Heptachlor	76-44-8	0.0004	60	H	2.82E-02
11	Heptachlor epoxide	1024-57-3	0.0002	20	S	3.50E-01
11	Isodrin	465-73-6	TBD	20	S	1.42E-02
11	Isolan	119-38-0	TBD	30	H	8.27E+02
11	Lindane [gamma-BHC] (DOE/RL-92-72)	58-89-9	0.0002	40	H	4.83E-02
11	Maleic hydrazide	123-33-1	TBD	30	H	8.27E+02
11	Metam Sodium	137-42-8	TBD	30	H	8.27E+02
11	Methiocarb	2032-65-7	TBD	30	S	2.70E+01
11	Methoxychlor	72-43-5	0.04	20	S	4.00E-02
11	Methyl parathion	298-00-0	0.009	20	S	6.00E+01
11	Mexacarbate	315-18-4	TBD	30	S	1.00E+02

Table C-2. 200 Area Effluent Treatment Facility Delisting Treatability Envelope for Organics. (13 Sheets)

Treat-ability Group	Constituent [1]	CAS #	HBL (mg/L) [2]	EE/O [3]	Limiting Factors [4]	Treatability Envelope to meet 6 * HBL (mg/L) [5]
11	Molinate	2212-67-1	TBD	30	S	8.00E+02
11	O,O-Diethyl O-pyrazinyl phosphorothioate	297-97-2	TBD	30	H	8.27E+02
11	o,p'-DDD	53-19-0	TBD	30	S	1.00E-01
11	o,p'-DDE	3424-82-6	TBD	30	S	1.40E-01
11	o.p'-DDT	789-02-6	TBD	30	S	8.50E-02
11	Octamethylpyrophosphoramide	152-16-9	0.07	30	H	5.79E+01
11	Oxamyl	23135-22-0	TBD	30	H	8.27E+02
11	Parathion	56-38-2	0.2	20	S	2.40E+01
11	Pebulate	1114-71-2	TBD	30	S	6.00E+01
11	Phorate	298-02-2	0.007	20	S	5.00E+01
11	Potassium dimethyl dithiocarbamate	128-03-0	TBD	30	H	8.27E+02
11	Potassium n-methyldithiocarbamate	137-41-7	TBD	30	S	1.00E+00
11	Promecarb	2631-37-0	TBD	30	S	9.10E+01
11	Propham	122-42-9	TBD	30	S	3.20E+01
11	Propoxur	114-26-1	TBD	30	H	8.27E+02
11	Selenium, tetrakis(dimethyl-dithiocarbamate	144-34-3	TBD	30	S	1.00E+00
11	Sodium azide	26628-22-8	TBD	30	H	8.27E+02
11	Sodium dibutyldithiocarbamate	136-30-1	TBD	30	H	8.27E+02
11	Sodium dimethyldithiocarbamate	128-04-1	TBD	30	H	8.27E+02
11	Strychnine	57-24-9	TBD	30	S	1.60E+02
11	Strychnine salts	57-24-9	0.01	30	H	8.27E+00
11	Thiodicarb	59669-26-0	TBD	30	S	3.50E+01
11	Thiofanox	39196-18-4	TBD	30	H	8.27E+02
11	Thiomethanol [Methanethiol]	74-93-1	TBD	30	H	8.27E+02
11	Thiophanate-methyl	23564-05-8	TBD	30	S	4.39E+02
11	Thiophenol	108-98-5	TBD	30	H	8.27E+02
11	Toxaphene	8001-35-2	0.003	20	S	5.00E-01
11	Triallate	2303-17-5	TBD	30	S	4.00E+00
11	Trichloromethanethiol	75-70-7	TBD	30	S	1.00E+00
11	Vernolate	1929-77-7	TBD	30	S	1.07E+02
11	Ziram	137-30-4	TBD	30	S	6.50E+01
12	4,4'-Dichlorobiphenyl (DOE/RL-92-72)	2050-68-2	TBD	4	S	6.20E-02
12	Polychlorinated biphenyls	1336-36-3	0.0005	15	S	3.10E-02
13	1,1,1,2-Tetrachloroethane	630-20-6	0.003	80	H	1.14E-01
13	1,1,1-Trichloroethane (DOE/RL-92-72) (DL)[6]	71-55-6	0.2	150	H	3.21E+00
13	1,1,2,2-Tetrachloroethane	79-34-5	0.0004	80	H	1.52E-02
13	1,1,2-Trichloro-1,2,2-triflouroethane	76-13-1	1000	80	S	170
13	1,1,2-Trichloroethane (DOE/RL-92-72) (DL)[6]	79-00-5	0.005	150	H	8.04E-02
13	1,1-Dichloroethane	75-34-3	0.0009	40	H	2.17E-01

Table C-2. 200 Area Effluent Treatment Facility Delisting Treatability Envelope for Organics. (13 Sheets)

Treat-ability Group	Constituent [1]	CAS #	HBL (mg/L) [2]	EE/O [3]	Limiting Factors [4]	Treatability Envelope to meet 6 * HBL (mg/L) [5]
13	1,2,3-Trichloropropane	96-18-4	0.00001	40	H	2.41E-03
13	1,2,Dibromo-3-chloropropane	96-12-8	0.0002	40	H	4.83E-02
13	1,2-Dichloropropane [Propylene dichloride]	78-87-5	0.005	40	H	1.21E+00
13	Bromodichloromethane	75-27-4	0.001	40	H	2.41E-01
13	Bromoform	75-25-2	0.01	60	H	7.05E-01
13	Bromomethane [Methyl bromide]	74-83-9	0.05	40	H	1.21E+01
13	Carbon tetrachloride (DOE/RL-92-72) (DL)[6]	56-23-5	0.005	200	H	6.28E-02
13	Chloroethane	75-00-3	TBD	40	H	2.41E+02
13	Chloroform (DOE/RL-92-72) (DL)[6]	67-66-3	0.01	100	H	2.63E-01
13	Chloromethane [Methyl chloride]	74-87-3	0.007	30	H	5.79E+00
13	Dibromochloromethane	124-48-1	0.001	40	H	2.41E-01
13	Dibromomethane [Methylene bromide]	74-95-3	0.4	30	H	3.31E+02
13	Dichlorodifluoromethane	75-71-8	7	80	H	2.66E+02
13	Ethylene dibromide [1,2-Dibromoethane]	106-93-4	0.00005	40	H	1.21E-02
13	Ethylene dichloride [1,2-Dichloroethane] (DL)[6]	107-06-2	0.005	40	H	1.21E+00
13	Iodomethane [Methyl iodide]	74-88-4	TBD	30	H	8.27E+02
13	Methylene chloride [Dichloromethane] (DOE/RL-92-72)	75-09-2	0.005	60	H	3.52E-01
13	Trichlorofluoromethane	75-69-4	10	80	H	3.81E+02
14	1,1-Dichloroethylene (DL)[6]	75-35-4	0.007	4	L	2.00E+03
14	Allyl chloride [3-Chloropropene]	107-05-1	0.004	5	L	2.00E+03
14	cis-1,2-Dicloroethylene	156-59-2	0.07	5	L	2.00E+03
14	Tetrachloroethene [Tetrachloroethylene] (DOE/RL-92-72) (DL)[6]	127-18-4	0.005	4	S	1.50E+02
14	trans-1,2-Dichloroethylene	156-60-5	0.1	5	L	2.00E+03
14	trans-1,3-Dichloropropene	10061-02-6	TBD	5	L	2.00E+03
14	Trichloroethylene (DL)[6]	79-01-6	0.005	4	S	1.10E+03
14	Vinyl chloride (DL)[6]	75-01-4	0.002	4	L	2.00E+03
15a	Ethylbenzene	100-41-4	0.7	7	S	1.52E+02
15a	Toluene (DOE/RL-92-72) (DL)[6]	108-88-3	1	2	S	5.35E+02
15a	Xylenes (total)	1330-20-7	10	7	S	1.98E+02
16	Chlorobenzene (DL)[6]	108-90-7	0.1	5	S	4.66E+02
16	Dichlorophenylarsine (Arsenic)	696-28-6	TBD	4	S	8.04E+01
17a	Acetaldehyde	75-07-0	TBD	50	H	1.15E+02
17a	Acrolein (DOE/RL-92-72)	107-02-8	0.7	4	L	2.00E+03
17a	Chloroacetaldehyde	107-20-0	TBD	50	H	1.15E+02

Table C-2. 200 Area Effluent Treatment Facility Delisting Treatability Envelope for Organics. (13 Sheets)

Treat-ability Group	Constituent [1]	CAS #	HBL (mg/L) [2]	EE/O [3]	Limiting Factors [4]	Treatability Envelope to meet 6 * HBL (mg/L) [5]
17a	Crotonaldehyde [2-Butenaldehyde]	4170-30-3	TBD	30	H	8.27E+02
17a	Formaldehyde	50-00-0	TBD	50	H	1.15E+02
17a	Glycidylaldehyde	765-34-4	TBD	30	H	8.27E+02
17a	Paraldehyde	123-63-7	TBD	50	H	1.15E+02
18a	Furan	110-00-9	0.04	10	L	2.00E+03
18a	Furfural	98-01-1	TBD	10	L	2.00E+03
18a	Isosafrole	120-58-1	TBD	15	S	1.44E+02
18 a	Tetrahydrofuran (DOE/RL-92-72)	109-99-9	TBD	4	L	2.00E+03
18	Ethyl ether	60-29-7	7	20	L	2.00E+03
18	Ethyl methacrylate	97-63-2	3	20	S	7.00E+02
19	Acetone (DOE/RL-92-72) (DL)[6]	67-64-1	4	10	L	2.00E+05
19	Acetophenone	98-86-2	4	20	S	5.50E+03
19	Bromoacetone	598-31-2	TBD	10	S	1.30E+05
19	Cyclohexanone	108-94-1	TBD	30	H	8.27E+02
19	Methyl ethyl ketone [2-Butanone] (DOE/RL-92-72) (DL)[6]	78-93-3	20	3	L	2.00E+05
19	Methyl ethyl ketone peroxide	1338-23-4	TBD	3	S	1.37E+05
19	Methyl isobutyl ketone [2-Methyl-4-pentanone] (DOE/RL-92-72) (DL)[6]	108-10-1	3	3	S	1.91E+04
20	Carbon disulfide	75-15-0	4	5	L	2.00E+03
20	Diethylarsine (Arsenic)	692-42-2	TBD	10	S	2.27E+02
25a	O,O,O-Triethyl phosphorothioate	126-68-1	TBD	30	S	1.00E+00
25a	Tributyl phosphate (DOE/RL-92-72) (DL)[6]	126-73-8	0.02	5	S	2.80E+02
25b	Tridecane (DOE/RL-92-72)	629-50-5	TBD	150	S	4.70E-03
25	Tetraethyl lead (Lead)	78-00-2	TBD	30	S	2.90E-01
25	tris(2,3-Dibromopropyl) phosphate	126-72-7	0.000009	10	S	1.20E+02

[1] Square brackets [ ] indicate a synonym.
[2] The HBLs were taken from EPA 1994. Constituents not included in this docket report indicate a HBL is to be determined (TBD). To complete this evaluation, when a HBL is TBD, a value of 1 mg/L was assumed. When a HBL is established for a constituent, the influent concentration envelope will be recalculated.
[3] EE/O is defined in Section 4.1.2. Shading indicates a hard to treat organic compound, where the EE/O is greater than equal to 40.
[4] The influent concentration depends on one of three factors: H indicates the envelope is based on 6 times HBL; L indicates the envelope is limited by the LERF liner compatibility, refer to Ecology 2001; and S indicates the envelope is limited by the organic compound solubility.
[5] The ETF influent concentration, where treatment in the ETF by once-through operation, yields a treated liquid waste concentration of less than 6 times the HBL.
[6] DL indicates a delisting limit established in the final delisting (40 CFR 261 Appendix IX, Table 2).
[7] These compounds react with water, so the compounds would not be observed in aqueous wastewaters.

CAS # = Chemical Abstract Service number.
DL = indicates the constituent has a delisting level included as part of the initial ETF delisting action (EPA 1995).

Table C-2. 200 Area Effluent Treatment Facility Delisting Treatability Envelope for Organics.
(13 Sheets)

DOE/RL-92-72 = Indicates the constituent was addressed and delisted as part of the initial ETF delisting action (EPA 1995).
EE/O = Electrical Energy per Order.
ETF = Effluent Treatment Facility.
HBL = health-based level.
LERF = Liquid Effluent Retention Basin.
mg/L = milligrams per liter.
ND = not determined.
NA = not applicable.
TBD = to be determined.

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