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**APPENDIX B**

**IDENTIFICATION OF CONSTITUENTS TO BE DELISTED**

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1                   **B.0 IDENTIFICATION OF CONSTITUENTS TO BE DELISTED**  
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4    To initiate the ETF treatability assessment, it was first necessary to identify the constituents that  
5    potentially could exist in the multi-source leachate, WTP effluent, and other hazardous  
6    wastewaters. The identification process started with an exhaustive search for potential hazardous  
7    constituents. The following sources were used to generated a comprehensive hazardous  
8    constituents list:  
9

- 10   • 40 CFR 261 Subpart C – Characteristics of Hazardous Waste
- 11   • 40 CFR 261 Subpart D – Lists of Hazardous Wastes
  - 12   - Hazardous wastes from non-specific sources (as applicable)
  - 13   - Discarded commercial chemical products, off-specification species, container residues,  
14    and spill residues thereof
- 15   • 40 CFR 261 Appendix VIII, Hazardous Constituents
- 16   • 40 CFR 268.40, F039
- 17   • 40 CFR 268.48, Universal Treatment Standards
- 18   • Constituents specified in the document *Petitions to Delist Hazardous Wastes, A Guidance*  
19    *Manual* (EPA 1993)
  - 20   - Oil and Grease
  - 21   - Cyanide, total
  - 22   - Cyanide, reactive
  - 23   - Nickel
  - 24   - Sulfide, total
  - 25   - Sulfide, reactive
  - 26   - Acetone
  - 27   - Ethylbenzene
  - 28   - Isophorone
  - 29   - 4-methyl-2-pentanone
  - 30   - Styrene
  - 31   - Xylenes
- 32   • *Docket Report on Health-Based Levels and Solubilities Used in the Evaluation of Delisting*  
33    *Petitions, Submitted Under 40 CFR 260.20 and 260.22* (EPA 1994)

34  
35   A comprehensive list of constituents, derived from these sources, first was assessed to eliminate  
36   any duplicity. Several of the constituents are designated as “Not Otherwise Specified” (NOS) or  
37   generic (e.g., "chlorinated ethane, N.O.S.", "chromium compounds, N.O.S.", etc.). These  
38   constituents represent a general class of compounds and typically lack a specific Chemical  
39   Abstracts Service (CAS) number. To allow further evaluation of such constituents, a specific  
40   representative constituent was assigned to represent the general class as indicated in parentheses  
41   in the "CAS #" column. For example, in the case of "chlorinated ethane, N.O.S.,"  
42   1,1,1-trichloroethane (CAS # 71-55-6) was assigned. In the case of chromium compounds, the  
43   element of chromium (CAS # 7440-47-3) was assigned. The consolidated constituents list is  
44   presented in Table B-1. This table also indicates the waste number(s) associated with the toxic  
45   characteristic and listed wastes.

Table B-1. 200 Area Effluent Treatment Facility Consolidated Constituents List. (20 Sheets)

CAS # (Representative Constituent CAS # <sup>1</sup> )	Constituent	Source Documents					
		40 CFR 261 Appendix VIII, Hazardous Constituents	Toxic characteristic <sup>2</sup> and/or listed waste <sup>3</sup>	40 CFR 268.40, F039	40 CFR 268.48, Universal Treatment Standards	Docket list <sup>4</sup>	Delisting guidance <sup>5</sup>
100-01-6	p-Nitroaniline	X	P077	X	X		
100-02-7	p-Nitrophenol	X	U170	X			
100-25-4	1,4-Dinitrobenzene			X	X	X	
100-41-4	Ethylbenzene		F001-5	X	X	X	X
100-42-5	Styrene					X	X
100-44-7	Benzyl chloride	X	P028			X	
100-51-6	Benzyl alcohol	X				X	
10061-01-5	cis-1,3-Dichloropropylene		F024	X	X		
10061-02-6	trans-1,3-Dichloropropylene		F024	X	X		
100-75-4	N-Nitrosopiperidine	X	U179	X	X	X	
10102-43-9	Nitric oxide	X	P076				
10102-44-0	Nitrogen dioxide	X	P078				
10102-45-1	Thallium(I) nitrate (Thallium)	X	U217				
101-14-4	4,4'-Methylenebis(2-chloroaniline)	X	U158	X	X		
101-27-9	Barban	X	U280		X		
101-55-3	4-Bromophenyl phenyl ether	X	U030	X	X		
1024-57-3	Heptachlor epoxide	X	D031	X	X	X	
none (1024-57-3)	Heptachlor epoxide (alpha, beta, and gamma isomers)	X					
1031-07-8	Endosulfan sulfate			X	X		
103-85-5	Phenylthiourea	X	P093				
105-67-9	2,4-Dimethylphenol	X	U101	X	X	X	
10595-95-6	N-Nitrosomethylethylamine	X		X	X	X	
10605-21-7	Carbendazim	X	U372		X		
106-44-5	p-Cresol		D026, F001-5	X	X		
106-46-7	p-Dichlorobenzene [1,4-Dichlorobenzene]	X	D027, U072	X	X	X	
25321-22-6 (106-46-7)	Dichlorobenzene, N.O.S.	X					
106-47-8	p-Chloroaniline	X	P024	X	X	X	
106-49-0	p-Toluidine	X	U353			X	
106-50-3	p-Phenylenediamine					X	
106-51-4	p-Benzoquinone	X	U197				
106-89-8	Epichlorohydrin	X	U041			X	
106-93-4	Ethylene dibromide	X	U067	X	X	X	
107-02-8	Acrolein	X	P003	X	X	X	

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107-05-1	3-Chloropropylene [Allyl chloride]		F024	X	X	X	
107-06-2	Ethylene dichloride [1,2-Dichloroethane]	X	D028, F024-25, U077	X	X	X	
107-10-8	n-Propylamine	X	U194				
107-12-0	Ethyl cyanide	X	P101	X	X		
107-13-1	Acrylonitrile	X	U009	X	X	X	
107-18-6	Allyl alcohol	X	P005				
107-19-7	Propargyl alcohol	X	P102				
107-20-0	Chloroacetaldehyde	X	P023				
107-30-2	Chloromethyl methyl ether	X	U046				
107-49-3	Tetraethyl pyrophosphate	X	P111				
108-05-4	Vinyl acetate					X	
108-10-1	Methyl isobutyl ketone [4-Methy-2-pentanone]		F001-5, U161	X	X	X	
108-31-6	Maleic anhydride	X	U147				
108-39-4	m-Cresol		D024, F001-5	X	X		
108-46-3	Resorcinol	X	U201				
108-60-1	Dichloroisopropyl ether	X	U027			X	
108-88-3	Toluene	X	F001-5, U052, U220	X	X	X	
108-90-7	Chlorobenzene	X	D021, F001-5, U037	X	X	X	
none (108-90-7)	Chlorinated benzenes, N.O.S.	X					
108-94-1	Cyclohexanone		F001-5, U057	X	X		
108-95-2	Phenol	X	U188	X	X	X	
108-98-5	Thiophenol	X	P014				
109-06-8	2-Picoline	X	U191				
109-77-3	Malononitrile	X	U149				
109-99-9	Tetrahydrofuran		U213				
110-00-9	Furan		U124			X	
110-75-8	2-Chloroethyl vinyl ether	X	U042		X		

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110-80-5	2-Ethoxyethanol [Ethylene glycol monoethyl ether]	X	F005, U359			X	
110-82-7	Cyclohexane		U056				
110-86-1	Pyridine	X	D038, F001-5, U196	X	X	X	
111-44-4	bis(2-Chloroethyl)ether [Dichloroethyl ether]	X	U025	X	X	X	
none (111-44-4)	Chloroalkyl ethers, N.O.S.	X					
1114-71-2	Pebulate	X			X		
111-54-6	Ethylenebisdithiocarbamic acid	X	U114				
generic (111-54-6)	Ethylenebisdithiocarbamic acid, salts and esters	X	U114				
1116-54-7	N-Nitrosodiethanolamine	X	U173				
111-91-1	bis(2-Chloroethoxy)methane [Dichloromethoxy ethane]	X	U024	X	X		
1120-71-4	1,3-Propane sultone	X	U193				
1129-41-5	Metolcarb	X	P190		X		
1134-23-2	Cycloate	X					
114-26-1	Propoxur	X	U411		X		
115-02-6	Azaserine	X	U015				
115-29-7	Endosulfan	X	P050			X	
116-06-3	Aldicarb	X	P070				
117-81-7	Bis(2-Ethylhexyl) phthalate	X	F024, U028	X	X	X	
117-84-0	Di-n-octylphthalate	X	U107	X	X	X	
118-74-1	Hexachlorobenzene	X	D032, F025, U127	X	X	X	
118-79-6	2,4,6-Tribromophenol	X	U408				
119-38-0	Isolan	X	P192		X		
119-90-4	3,3'-Dimethoxybenzidine	X	U091			X	
119-93-7	3,3'-Dimethylbenzidine	X	U095			X	
120-12-7	Anthracene			X	X	X	
12039-52-0	Thallium selenite (Selenium)	X	P114				
120-54-7	Bis(pentamethylene)-thiuram tetrasulfide	X					

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120-58-1	Isosafrole	X	U141	X	X		
120-82-1	1,2,4-Trichlorobenzene	X		X	X	X	
120-83-2	2,4-Dichlorophenol	X	U081	X	X	X	
121-14-2	2,4-Dinitrotoluene	X	D030, U105	X	X	X	
121-44-8	Triethylamine	X	U404		X		
122-09-8	alpha,alpha-Dimethylphenethylamine	X	P046				
122-39-4	Diphenylamine	X		X	X	X	
122-42-9	Propham	X	U373		X		
122-66-7	1,2-Diphenylhydrazine	X	U109	X	X	X	
123-33-1	Maleic hydrazide	X	U148				
123-63-7	Paraldehyde	X	U182				
123-91-1	1,4-Diethyleneoxide	X	U108	X	X	X	
124-40-3	Dimethylamine		U092				
124-48-1	Chlorodibromomethane			X	X	X	
126-68-1	O,O,O-Triethyl phosphorothioate	X					
126-72-7	Tris(2,3-dibromopropyl) phosphate	X	U235	X	X	X	
126-73-8	Tributyl phosphate						
126-85-2	Nitrogen mustard N-oxide	X					
126-98-7	Methacrylonitrile	X	U152	X	X	X	
126-99-8	Chloroprene [2-Chloro-1,3-butadiene]	X		X	X	X	
127-18-4	Tetrachloroethylene	X	D039, F001-5, U210	X	X	X	
128-03-0	Potassium dimethyldithio-carbamate	X					
128-04-1	Sodium dimethyldithio-carbamate	X					
129-00-0	Pyrene			X	X	X	
130-15-4	1,4-Naphthoquinone	X	U166				
1303-28-2	Arsenic pentoxide Arsenic)	X	P011				
131-11-3	Dimethyl phthalate	X	U102	X	X	X	
1314-32-5	Thallic oxide (Thallium)	X	P113				
1314-62-1	Vanadium pentoxide (Vanadium)	X	P120				
1314-80-3	Phosphorus sulfide		U189				
1314-84-7	Zinc phosphide	X	P122, U249				
131-74-8	Ammonium picrate		P009				

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131-89-5	2-Cyclohexyl-4,6-dinitrophenol	X	P034				
1319-77-3	Cresol [Cresylic acid]	X	D026, F001-5, U052			X	
13256-22-9	N-Nitrososarcosine	X					
1327-53-3	Arsenic trioxide (Arsenic)	X	P012				
1330-20-7	Xylenes		F001-5, U051, U239	X	X	X	
1335-32-6	Lead subacetate (Lead)	X	U146				
none (1336-36-3)	Polychlorinated biphenyls, N.O.S.	X					
1336-36-3	Total PCBs			X	X	X	
1338-23-4	Methyl ethyl ketone peroxide	X	U160				
134-32-7	alpha-Naphthylamine	X	U167				
13463-39-3	Nickel carbonyl (Nickel)	X	P073				
136-30-1	Sodium dibutyldithiocarbamate	X					
137-26-8	Thiram	X	U244				
137-29-1	Copper dimethyldithiocarbamate	X					
137-30-4	Ziram	X	P205		X		
137-41-7	Potassium n-methyldithio-carbamate	X					
137-42-8	Metam Sodium	X					
13765-19-0	Calcium chromate (Chromium)	X	U032				
1402-68-2	Aflatoxins	X					
140-57-8	Aramite	X		X	X		
140-88-5	Ethyl acrylate		U113				
141-78-6	Ethyl acetate		F001-5, U112	X	X	X	
142-84-7	Dipropylamine		U110				
14324-55-1	Ethyl Ziram	X					
143-33-9	Sodium cyanide (Cyanides)	X	P106				
143-50-0	Kepon	X	U142	X	X	X	
144-34-3	Selenium, tetrakis (dimethyl- dithiocarbamate)	X					
14484-64-1	Ferbam	X					
145-73-3	Endothall	X	P088			X	
1464-53-5	1,2:3,4-Diepoxybutane	X	U085				
148-18-5	Sodium diethyldithiocarbamate	X					



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148-82-3	Melphalan [alanine nitrogen mustard]	X	U150				
14901-08-7	Cycasin	X					
151-50-8	Potassium cyanide (Cyanides)	X	P098				
151-56-4	Ethyleneimine	X	P054				
152-16-9	Octamethylpyrophosphoramidate	X	P085			X	
15339-36-3	Manganese dimethyldithio-carbamate	X	P196				
1563-38-8	Carbofuran phenol	X	U367		X		
1563-66-2	Carbofuran	X	P127		X		
156-59-2	cis-1,2-Dichloroethylene					X	
156-60-5	trans-1,2-Dichloroethylene	X	U079	X	X	X	
1615-80-1	N,N'-Diethylhydrazine	X	U086				
1634-02-2	Tetrabutylthiuram disulfide	X					
1646-88-4	Aldicarb sulfone	X	P203		X		
16543-55-8	N-Nitrosornicotine	X					
16752-77-5	Methomyl	X	P066		X		
16984-48-8	Fluoride			X	X	X	
1746-01-6	TCDDs [Tetrachlorodibenzo-p-dioxins]	X	F022, F026-28	X	X		
none (1746-01-6)	HxCDDs [Hexachlorodibenzo-p-dioxins]	X	F022, F026-28	X	X		
none (1746-01-6)	PeCDDs [Pentachlorodibenzo-p-dioxins]	X	F022, F026-28	X	X		
35822-46-9 (1746-01-6)	HeCDDs [Heptachlorodibenzo-p-dioxins]	X					
17702-57-7	Formparanate	X	P197		X		
17804-35-2	Benomyl	X	U271		X		
18496-25-8	Sulfide			X	X		X
18883-66-4	Streptozotocin	X	U206				
1888-71-7	Hexachloropropene	X	U243	X	X		
189-55-9	Dibenzo[a,i]pyrene	X	U064				
189-64-0	Dibenzo[a,h]pyrene	X					
191-24-2	Benzo[g,h,i]perylene			X	X		
192-65-4	Dibenzo[a,e]pyrene	X		X	X		
1929-77-7	Vernolate	X			X		
193-39-5	Indeno[1,2,3-cd]pyrene	X	U137	X	X	X	
194-59-2	7H-Dibenzo[c,g]carbazole	X					

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2008-41-5	Butylate	X			X		
2032-65-7	Methiocarb	X	P199		X		
205-82-3	Benzo[j]fluoranthene	X					
205-99-2	Benzo[b]fluoranthene	X		X	X	X	
206-44-0	Fluoranthene	X	U120	X	X	X	
207-08-9	Benzo[k]fluoranthene	X		X	X		
20816-12-0	Osmium tetroxide	X	P087				
20830-81-3	Daunomycin	X	U059				
20859-73-8	Aluminum phosphide	X	P006				
208-96-8	Acenaphthylene			X	X		
218-01-9	Chrysene	X	U050	X	X	X	
2212-67-1	Molinate	X			X		
224-42-0	Dibenz[a,j]acridine	X					
225-51-4	Benz[c]acridine	X	U016				
226-36-8	Dibenz[a,h]acridine	X					
22781-23-3	Bendiocarb	X	U278		X		
22961-82-6	Bendiocarb phenol	X	U364		X		
2303-16-4	Diallate	X	U062			X	
2303-17-5	Triallate	X	U389		X		
2312-76-7	4,6-Dinitro-o-cresol salts	X	P047				
23135-22-0	Oxamyl	X	P194		X		
23422-53-9	Formetanate hydrochloride	X	P198		X		
23564-05-8	Thiophanate-methyl	X	U409		X		
23950-58-5	Pronamide	X	U192	X	X	X	
25154-54-5	Dinitrobenzene, N.O.S.	X					
25265-76-3	Phenylenediamine	X					
25376-45-8	Toluenediamine	X	U221				
2631-37-0	Promecarb	X	P201		X		
26419-73-8	Tirpate	X	P185		X		
26471-62-5	Toluene diisocyanate	X	U223				
26545-73-3	Dichloropropanol, N.O.S.	X					
26628-22-8	Sodium azide		P105				
2763-96-4	5-(Aminomethyl)-3-isoxazolol	X	P007				
297-97-2	O,O-Diethyl O-pyrazinyl phosphorothioate	X	P040				
298-00-0	Methyl parathion	X	P071	X	X	X	
298-02-2	Phorate	X	P094	X	X	X	
298-04-4	Disulfoton	X	P039	X	X	X	

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301-04-2	Lead acetate (Lead)	X	U144				
302-01-2	Hydrazine	X	U133				
302-70-5	Nitrogen mustard, N-oxide, hydrochloride salt	X					
303-34-4 (303-34-1)	Lasiocarpine	X	U143				
305-03-3	Chlorambucil	X	U035				
30558-43-1	A2213	X	U394		X		
309-00-2	Aldrin	X	P004	X	X	X	
311-45-5	Diethyl-p-nitrophenyl phosphate	X	P041				
315-18-4	Mexacarbate	X	P128		X		
3165-93-3	4-Chloro-o-toluidine hydrochloride		U049				
319-84-6	alpha-BHC		D013, U129	X	X	X	
319-85-7	beta-BHC		D013, U129	X	X	X	
319-86-8	delta-BHC		D013, U129	X	X		
3288-58-2	O,O-Diethyl S-methyl dithiophosphate	X	U087				
33213-65-9 (33213-6-5)	Endosulfan II			X	X		
3424-82-6	o,p'-DDE			X	X		
353-50-4	Carbon oxyfluoride	X	U033				
357-57-3	Brucine	X	P018				
3689-24-5	Tetraethyldithiopyrophosphate	X	P109			X	
55684-94-1 (38998-75-3)	HxCDFs [Hexachlorodibenzofurans]	X	F022, F026-28	X	X		
30402-15-4 (38998-75-3)	PeCDFs [Pentachlorodibenzofurans]	X	F022, F026-28	X	X		
55722-27-5 (38998-75-3)	TCDFs [Tetrachlorodibenzofurans]	X	F022, F026-28	X	X		
38998-75-3	HeCDFs [Heptachlorodibenzofurans]	X					
39196-18-4	Thiofanox	X	P045				
39638-32-9	bis(Chloroisopropyl)ether			X	X		
4170-30-3	Crotonaldehyde [2-Butenaldehyde]	X	U053				
4549-40-0	N-Nitrosomethylvinylamine	X	P084				

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460-19-5	Cyanogen	X	P031				
465-73-6	Isodrin	X	P060	X	X		
492-80-8	Auramine	X	U014				
494-03-1	Chlornaphazin	X	U026				
496-72-0	Toluene-3,4-diamine	X					
50-00-0	Formaldehyde	X	U122				
50-07-7	Mitomycin C	X	U010				
50-18-0	Cyclophosphamide	X	U058				
50-29-3	DDT [p,p'-DDT]	X	U061	X	X	X	
50-32-8	Benzo[a]pyrene	X	U022	X	X	X	
504-24-5	4-Aminopyridine	X	P008				
504-60-9	1,3-Pentadiene		U186				
50-55-5	Reserpine	X	U200				
505-60-2	Mustard gas	X					
506-61-6	Potassium silver cyanide	X	P099				
506-64-9	Silver cyanide	X	P104				
506-68-3	Cyanogen bromide	X	U246				
506-77-4	Cyanogen chloride	X	P033			X	
509-14-8	Tetranitromethane	X	P112				
510-15-6	Chlorobenzilate	X	U038	X	X	X	
51026-28-9	Potassium n-hydroxymethyl-n-methyl-dithiocarbamate	X					
51-28-5	2,4-Dinitrophenol	X	P048	X	X	X	
51-43-4	Epinephrine	X	P042				
51-52-5	Propylthiouracil	X					
51-75-2	Nitrogen mustard	X					
51-79-6	Ethyl carbamate (urethane)	X	U238				
52-24-4	Tris(1-aziridinyl)phosphine sulfide	X					
52-85-7	Famphur	X	P097	X	X	X	
52888-80-9	Prosulfocarb	X	U387		X		
53-19-0	o,p'-DDD			X	X		
533-74-4	Dazomet	X					
5344-82-1	1-(o-Chlorophenyl)thiourea	X	P026				
534-52-1	4,6-Dinitro-o-cresol	X	P047	X	X		
53-70-3	Dibenz[a,h]anthracene	X	U063	X	X	X	
53-96-3	2-Acetylaminofluorene	X	U005	X	X		
540-73-8	1,2-Dimethylhydrazine	X	U099				
54-11-5	Nicotine	X	P075				

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generic (54-11-5)	Nicotine salts	X	P075				
541-53-7	Dithiobiuret	X	P049				
541-73-1	m-Dichlorobenzene	X	U071	X	X		
542-62-1	Barium cyanide	X	P013				
542-75-6	1,3-Dichloropropene	X	U084			X	
26952-23-8 (542-75-6)	Dichloropropene, N.O.S.	X					
542-76-7	3-Chloropropionitrile	X	P027				
542-88-1	Dichloromethyl ether	X	P016				
544-92-3	Copper cyanide (Cyanides)	X	P029				
55-18-5	N-Nitrosodiethylamine	X	U174	X	X	X	
55285-14-8	Carbosulfan	X	P189		X		
55406-53-6	3-Iodo-2-propynyl n-butylcarbamate	X					
55-63-0	Nitroglycerin	X	P081				
557-19-7	Nickel cyanide	X	P074				
557-21-1	Zinc cyanide (Cyanides)	X	P121				
55-86-7	Nitrogen mustard hydrochloride (salt)	X					
55-91-4	Diisopropylfluorophosphate (DFP)	X	P043				
56-04-2	Methylthiouracil	X	U164				
56-23-5	Carbon tetrachloride	X	D019, F001-5, F025, U211	X	X	X	
563-68-8	Thallium(I) acetate (Thallium)	X	U214				
56-38-2	Parathion	X	P089	X	X	X	
56-49-5	3-Methylcholanthrene	X	U157	X	X	X	
56-53-1	Diethylstilbesterol	X	U089			X	
56-55-3	Benz[a]anthracene	X	U018	X	X	X	
none (57-12-5)	Cyanides (soluble salts and complexes) N.O.S.	X	P030				
57-12-5	Cyanides		F006-12, F019	X	X	X	X
57-14-7	1,1-Dimethylhydrazine	X	U098				
57-24-9	Strychnine	X	P108			X	
none (57-74-9)	Strychnine salts	X	P108				

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57-47-6	Physostigmine	X	P204		X		
57-64-7	Physostigmine salicylate	X	P188		X		
57-74-9	Chlordane	X	D020, U036	X	X	X	
57-74-9, 39400--80-1, 53637-13-1 (57-74-9)	Chlordane (alpha and gamma isomers)	X	U036			X	
57-97-6	7,12-Dimethylbenz[a]anthracene	X	U094			X	
58-89-9	Lindane (gamma-BHC)	X	D013, U129	X	X	X	
58-90-2	2,3,4,6-Tetrachlorophenol	X	F020, F023, F027-28	X	X		
53535-27-6 (58-90-2)	2,3,4,6-tetrachlorophenol, potassium salt (2,3,4,6-tetrachlorophenol salt)	X	F027			X	
25567-55-9 (58-90-2)	2,3,4,6-tetrachlorophenol, sodium salt (2,3,4,6-tetrachlorophenol, salt)	X	F020, F023, F027-28				
591-08-2	1-Acetyl-2-thiourea	X	P002				
592-01-8	Calcium cyanide (Cyanides)	X	P021				
59-50-7	p-Chloro-m-cresol	X	U039	X	X		
5952-26-1	Diethylene glycol, dicarbamate	X	U395		X		
59669-26-0	Thiodicarb	X	U410		X		
598-31-2	Bromoacetone	X	P017				
59-89-2	N-Nitrosomorpholine	X		X	X		
60-11-7	p-Dimethylaminoazobenzene	X	U093		X		
60-29-7	Ethyl ether		F001-5, U117	X	X	X	
60-34-4	Methylhydrazine		P068				
60-51-5	Dimethoate	X	P044			X	
60-57-1	Dieldrin	X	P037	X	X	X	
606-20-2	2,6-Dinitrotoluene	X	U106	X	X		
608-93-5	Pentachlorobenzene	X	U183	X	X	X	
615-53-2	N-Nitroso-N-methylurethane	X	U178				
61-82-5	Amitrole	X	U011				
621-64-7	N-Nitroso-di-n-dipropylamine	X	U111	X	X	X	
62-38-4	Phenylmercury acetate (Mercury)	X	P092				
62-44-2	Phenacetin	X	U187	X	X		

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624-83-9	Methyl isocyanate	X	P064				
62-50-0	Ethyl methanesulfonate	X	U119			X	
62-53-3	Aniline	X	U012	X	X	X	
62-55-5	Thioacetamide	X	U218				
62-56-6	Thiourea	X	U219				
62-74-8	Fluoroacetic acid, sodium salt	X	P058				
62-75-9	N-Nitrosodimethylamine	X	P082	X	X	X	
628-86-4	Mercury fulminate (Mercury)	X	P065				
630-10-4	Selenourea (Selenium)	X	P103				
630-20-6	1,1,1,2-Tetrachloroethane	X	U208	X	X	X	
63-25-2	Carbaryl	X	U279		X		
6358-53-8	Citrus red No. 2	X					
636-21-5	o-Toluidine hydrochloride	X	U222				
64-00-6	m-Cumenyl methylcarbamate	X	P202		X		
640-19-7	Fluoroacetamide	X	P057				
64-18-6	Formic acid	X	U123			X	
644-64-4	Dimetilan	X	P191		X		
6533-73-9	Thallium(I) carbonate (Thallium)	X	U215				
66-27-3	Methyl methanesulfonate	X		X	X		
66-75-1	Uracil mustard	X	U237				
67-56-1	Methanol		F001-5, U154	X	X	X	
67-64-1	Acetone		F001-5, U002	X	X	X	X
67-66-3	Chloroform	X	D022, F025, U044	X	X	X	
67-72-1	Hexachloroethane	X	D034, F024-25, U131	X	X	X	
684-93-5	N-Nitroso-N-methylurea	X	U177				
692-42-2	Diethylarsine (Arsenic)	X	P038				
696-28-6	Dichlorophenylarsine (Arsenic)	X	P036				
70-25-7	MNNG	X	U163				
70-30-4	Hexachlorophene	X	U132			X	
71-36-3	n-Butyl alcohol [1-Butyl alcohol]		F001-5, U031	X	X	X	

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71-43-2	Benzene	X	D018, F001-5, U019	X	X	X	
71-55-6	1,1,1-Trichloroethane (Methyl chloroform)	X	F001-5, U226	X	X	X	
none (71-55-6)	Chlorinated ethane, N.O.S.	X					
72-20-8	Endrin & Endrin metabolites	X	D012, P051	X	X	X	
72-43-5	Methoxychlor	X	D014, U247	X	X	X	
72-54-8	DDD (p,p'-DDD)	X	U060	X	X	X	
72-55-9	DDE (p,p'-DDE)	X		X	X	X	
72-57-1	Trypan blue	X	U236				
7421-93-4	Endrin aldehyde		D012	X	X		
7439-92-1	Lead	X	D008, F006-9, F011-12	X	X	X	
none (7439-92-1)	Lead compounds, N.O.S. (Lead)	X					
7439-97-6	Mercury	X	D009, U151	X	X	X	
none (7439-97-6)	Mercury compounds, N.O.S. (Mercury)	X					
7440-02-0	Nickel	X	F006-9, F011-12	X	X	X	X
none (7440-02-0)	Nickel compounds, N.O.S. (Nickel)	X					
7440-22-4	Silver	X	D011, F006-9, F001-12	X	X	X	
none (7440-22-4)	Silver compounds, N.O.S. (Silver)	X					
7440-28-0	Thallium	X		X	X	X	
none (7440-28-0)	Thallium compounds, N.O.S. (Thallium)	X					
7440-36-0	Antimony	X		X	X	X	



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none (7440-36-0)	Antimony compounds, N.O.S. (Antimony)	X		X			
7440-38-2	Arsenic	X	D004	X	X	X	
generic (7440-38-2)	Arsenic compounds, N.O.S. (Arsenic)	X					
7440-39-3	Barium	X	D005	X	X	X	
generic (7440-39-3)	Barium compounds, N.O.S. (Barium)	X					
7440-41-7	Beryllium powder	X	P015	X	X	X	
generic (7440-41-7)	Beryllium compounds, N.O.S. (Beryllium)	X					
7440-43-9	Cadmium	X	D006, F006-9, F011-12	X	X	X	
generic (7440-43-9)	Cadmium compounds, N.O.S. (Cadmium)	X					
7440-47-3	Chromium	X	D007, F006-10, F011-12, F019	X	X	X	
generic (7440-47-3)	Chromium compounds, N.O.S. (Chromium)	X					
7440-62-2	Vanadium			X	X	X	
7440-66-6	Zinc				X	X	
7446-18-6	Thallium(I) sulfate (Thallium)	X	P115				
7446-27-7	Lead phosphate (Lead)	X	U145				
74-83-9	Methyl bromide	X	U029	X	X	X	
74-87-3	Methyl chloride	X	U045	X	X	X	
74-88-4	Methyl iodide (Iodomethane)	X	U138	X	X		
7488-56-4	Selenium sulfide (Selenium)	X	U205				
74-90-8	Hydrogen cyanide (Cyanides)	X	P063				
74-93-1	Thiomethanol (Methanethiol)	X	U153				
74-95-3	Methylene bromide	X	U068	X	X	X	
75-00-3	Chloroethane			X	X		
75-01-4	Vinyl chloride	X	D043, F025, U043	X	X	X	
75-05-8	Acetonitrile	X	U003	X	X	X	

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75-07-0	Acetaldehyde		U001				
75-09-2	Methylene chloride	X	F001-5, F025, U080	X	X	X	
none (75-09-2)	Halomethanes, N.O.S.	X					
75-15-0	Carbon disulfide	X	F001-5, P022	X	X	X	
75-21-8	Ethylene oxide [Oxirane]	X	U115	X	X		
75-25-2	Bromoform	X	U225	X	X	X	
75-27-4	Bromodichloromethane			X	X	X	
75-34-3	Ethylidene dichloride [1,1-Dichloroethane]	X	F024, U076	X	X	X	
75-35-4	1,1-Dichloroethylene	X	D029, F025, U078	X	X	X	
25323-30-2 (75-35-4)	Dichloroethylene, N.O.S.	X					
75-36-5	Acetyl chloride	X	U006				
75-44-5	Phosgene	X	P095				
75-55-8	2-Methylaziridine	X	P067				
75-60-5	Cacodylic acid (Arsenic)	X	U136				
75-69-4	Trichloromonofluoromethane	X	F001-5, U121	X	X	X	
none (75-69-4)	Chlorinated fluorocarbons, N.O.S.	X					
75-70-7	Trichloromethanethiol	X	P118				
75-71-8	Dichlorodifluoromethane	X	U075	X	X	X	
757-58-4	Hexaethyl tetraphosphate	X	P062				
75-86-5	2-Methylacetonitrile	X	P069				
75-87-6	Chloral	X	U034				
759-73-9	N-Nitroso-N-ethylurea	X	U176				
759-94-4	EPTC	X			X		
76-01-7	Pentachloroethane	X	U184		X		
76-13-1	1,1,2-Trichloro-1,2,2-trifluoroethane		F001-5	X	X	X	
764-41-0	1,4-Dichloro-2-butene	X	U074				
76-44-8	Heptachlor	X	D031, P059	X	X	X	

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765-34-4	Glycidylaldehyde	X	U126				
7664-39-3	Hydrogen fluoride	X	U134				
7664-41-7	Ammonia						
77-47-4	Hexachlorocyclopentadiene	X	U130	X	X	X	
77-78-1	Dimethyl sulfate	X	U103				
7778-39-4	Arsenic acid (Arsenic)	X	P010				
7782-41-4	Fluorine	X	P056				
7782-49-2	Selenium	X	D010	X	X	X	
none (7782-49-2)	Selenium compounds, N.O.S. (Selenium)	X					
7783-00-8	Selenium dioxide (Selenium)	X	U204				
7783-06-4	Hydrogen sulfide	X	U135				
7791-12-0	Thallium(I) chloride (Thallium)	X	U216				
78-00-2	Tetraethyl lead (Lead)	X	P110				
7803-51-2	Phosphine	X	P096				
7803-55-6	Ammonium vanadate (Vanadium)	X	P119				
78-59-1	Isophorone					X	X
78-83-1	Isobutyl alcohol	X	F001-5, U140	X	X	X	
78-87-5	Propylene dichloride [1,2- Dichloropropane]	X	F024, U083	X	X	X	
26638-19-7 (78-87-5)	Dichloropropane, N.O.S.	X					
789-02-6	o,p'-DDT			X	X		
78-93-3	Methyl ethyl ketone (MEK)	X	D035, F001-5, U159	X	X	X	
79-00-5	1,1,2-Trichloroethane	X	F001-5, F025, U227	X	X	X	
79-01-6	Trichloroethylene	X	D040, F001-5, F025, U228	X	X	X	
79-06-1	Acrylamide	X	U007		X	X	
79-10-7	Acrylic Acid		U008				
79-19-6	Thiosemicarbazide	X	P116				
79-22-1	Methyl chlorocarbonate	X	U156				

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79-34-5	1,1,2,2-Tetrachloroethane	X	U209	X	X	X	
25322-20-7 (79-34-5)	Tetrachloroethane, N.O.S.	X					
79-44-7	Dimethylcarbamoyl chloride	X	U097				
79-46-9	2-Nitropropane	X	F005, U171			X	
8001-35-2	Toxaphene	X	D015, P123	X	X	X	
8001-58-9	Creosote	X	U051				
8007-45-2	Coal tar creosote	X					
80-15-9	alpha, alpha-Dimethyl benzyl hydroperoxide		U096				
80-62-6	Methyl methacrylate	X	U162	X	X	X	
81-07-2	Saccharin and Saccharin salts	X	U202				
81-81-2	Warfarin salts	X	P001, U248				
823-40-5	Toluene-2,6-diamine	X				X	
82-68-8	Pentachloronitrobenzene (PCNB)	X	U185	X	X	X	
83-32-9	Acenaphthene		F034, F037	X	X	X	
84-66-2	Diethyl phthalate	X	U088	X	X	X	
none (84-66-2)	Phthalic acid esters, N.O.S.	X					
84-74-2	Di-n-butylphthalate	X	U069	X	X	X	
85-01-8	Phenanthrene			X	X		
85-44-9	Phthalic anhydride	X	U190	X			
85-68-7	Butyl benzyl phthalate	X		X	X	X	
35576-91-1 (86-30-6)	Nitrosamines, N.O.S.	X					
86-30-6	N-Nitrosodiphenylamine (Diphenylnitrosamine)			X	X	X	
86-73-7	Fluorene			X	X	X	
86-74-8	Carbazole					X	
86-88-4	alpha-Naphthylthiourea	X	P072				
87-65-0	2,6-Dichlorophenol	X	U082	X	X		
87-68-3	Hexachlorobutadiene	X	D033, F025, U128	X	X	X	

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87-86-5	Pentachlorophenol	X	D037, F021, F027-28	X	X		
131-52-2 (87-86-5)	Sodium pentachlorophenate (Pentachlorophenol salt)	X				X	
7978-73-6 (87-86-5)	Potassium pentachlorophenate (Pentachlorophenol salt)	X				X	
88-06-2	2,4,6-Trichlorophenol	X	D042, F020, F023, F027-28	X	X	X	
88-74-4	o-Nitroaniline				X		
88-85-7	Dinoseb	X	P020	X	X	X	
91-20-3	Naphthalene	X	U165	X	X	X	
91-58-7	beta-Chloronaphthalene	X	U047	X	X	X	
none (91-58-7)	Chlorinated naphthalene, N.O.S.	X					
91-59-8	beta-Naphthylamine	X	U168	X	X	X	
91-80-5	Methapyrilene	X	U155	X	X		
91-94-1	3,3'-Dichlorobenzidine	X	U073			X	
924-16-3	N-Nitroso-di-n-butylamine	X	U172	X	X	X	
92-67-1	4-Aminobiphenyl	X		X	X		
92-87-5	Benzidine	X	U021			X	
930-55-2	N-Nitrosopyrrolidine	X	U180	X	X	X	
93-72-1	Silvex (2,4,5-TP)	X	D017, F027	X	X	X	
93-76-5	2,4,5-T	X	F027	X	X	X	
94-11-1	2,4-D salts & esters	X	D016, U240				
94-58-6	Dihydrosafrole	X	U090				
94-59-7	Safrole	X	U203	X	X	X	
94-75-7	2,4-D	X	D016, U240	X	X	X	
95-06-7	Sulfallate	X					
95-48-7	o-Cresol		D023, F001-5	X	X		
95-50-1	o-Dichlorobenzene	X	F001-5, U070	X	X	X	

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95-53-4	o-Toluidine	X	U328			X	
95-54-5	o-Phenylenediamine				X		
95-57-8	o-Chlorophenol	X	U048	X	X	X	
none (95-57-8)	Chlorinated phenol, N.O.S.	X					
95-80-7	Toluene-2,4-diamine	X				X	
95-94-3	1,2,4,5-Tetrachlorobenzene	X	U207	X	X	X	
95-95-4	2,4,5-Trichlorophenol	X	D041, F020, F023, F027-28	X	X	X	
959-98-8	Endosulfan I			X	X		
96-12-8	1,2-Dibromo-3-chloropropane	X	U066	X	X	X	
96-18-4	1,2,3-Trichloropropane	X		X	X	X	
25735-29-9 (96-18-4)	Trichloropropane, N.O.S.	X					
96-45-7	Ethylenethiourea	X	U116				
97-63-2	Ethyl methacrylate	X	U118	X	X	X	
97-74-5	Tetramethylthiuram monosulfide	X					
97-77-8	Disulfiram	X					
98-01-1	Furfural		U125				
98-05-5	Benzeneearsonic acid	X					
98-07-7	Benzotrichloride	X	U023				
98-09-9	Benzenesulfonyl chloride		U020				
98-82-8	Cumene		U055			X	
98-86-2	Acetophenone	X	U004	X	X	X	
98-87-3	Benzal chloride	X	U017		X		
98-95-3	Nitrobenzene	X	D036, F001-5, U169	X		X	
99-35-4	1,3,5-Trinitrobenzene	X	U234			X	

Table B-1. 200 Area Effluent Treatment Facility Consolidated Constituents List. (20 Sheets)

CAS # (Representative Constituent CAS # <sup>1</sup> )	Constituent	Source Documents					
		40 CFR 261 Appendix VIII, Hazardous Constituents	Toxic characteristic <sup>2</sup> and/or listed waste <sup>3</sup>	40 CFR 268.40, F039	40 CFR 268.48, Universal Treatment Standards	Docket list <sup>4</sup>	Delisting guidance <sup>5</sup>
99-55-8	5-Nitro-o-toluidine	X	U181	X			
99-65-0	1,3-Dinitrobenzene					X	
none	Oil & Grease						X

CAS = Chemical Abstracts Service.

N.O.S. = Not otherwise specified.

<sup>1</sup>To allow further evaluation of the generic and N.O.S. constituent, a specific representative constituent was assigned to represent the general class as indicated in parentheses.

<sup>2</sup>40 CFR 261 Subpart C – Characteristics of Hazardous Waste.

<sup>3</sup>40 CFR 261 Subpart D – Lists of Hazardous Wastes.

<sup>4</sup>EPA 1994.

<sup>5</sup>EPA 1993.

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