Item V-B Continued Outfall 101
Part C.

1. POLLUTANT	Mark X believed present	Mark X believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	A. Mass	B. MAXIMUM 30 DAY VALUE Concentration	B. Mass	C. LONG TERM AVRG. VALUE Concentration	C. Mass	No. of Analyses	3. Units Concentration	Mass
Nitrogen, Total Org. (As N)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Oil & Grease		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Phosphorus (As P), Total (07723-14-0)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
j. Radioactivity **********											
Alpha, Total		X	No Sample	.	.	.	.	.	0	PCI/LITER	.
Beta, Total		X	No Sample	.	.	.	.	.	0	PCI/LITER	.
Radium,total		X	No Sample	.	.	.	.	.	0	PCI/LITER	.
Radium 226 , Total		X	No Sample	.	.	.	.	.	0	PCI/LITER	.
Sulfate (As So4) (14808-79-8)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Sulfide (As S)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Sulfite (As So3) (14265-45-3)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Surfactants		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Aluminum,total (07429-90-5)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Barium,total (07440-39-3)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Boron,total (07440-42-8)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Cobalt,total (07440-48-4)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Iron,total (07439-89-6)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Magnesium,total (07439-95-4)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Molybdenum,total (07439-98-7)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Manganese,total (07439-96-5)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Tin,total (07440-31-5)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Titanium,total (07440-32-6)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY

Continued from Page V2

Outfall 101

1. POLLUTANT	Mark X testing required	believed present	believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	Mass	B. MAXIMUM 30 DAY VALUE Concentration	Mass	C. LONG TERM AVRG. VALUE Concentration	Mass	No. of Analyses	3. Units Concentration	Mass
METALS, CYANIDE, AND TOTAL PHENOLS												
Antimony,total (07440-36-0)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Arsenic,total (07440-38-2)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Beryllium,total (07440-41-7)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Cadmium,total (07440-43-9)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Chromium,total (07440-47-3)	__X__	__X__	____	<0.05	<1.29222325	<0.05	<1.2778	<0.05	<0.863	13	PPM	LB/DAY
Copper,total (07440-50-8)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Lead,total (07439-92-1)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Mercury,total (07439-97-6)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Nickel,total (07440-02-0)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Selenium,total (07782-49-2)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Silver,total (07440-22-4)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Thallium,total (07440-28-0)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Zinc,total (07440-66-6)	__X__	__X__	____	<0.05	<1.29222325	<0.05	<1.2778	<0.05	<0.863	13	PPM	LB/DAY
Cyanide , Total (00057-12-5)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Total Phenols	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
DIOXIN												
Dioxin Screen	____	____	__X_	No Sample .		.	.	.	.	.	PPM	LB/DAY

Run on 06/03/2010

Continued from Page V3

Outfall 101

1. POLLUTANT	Mark X testing required	believed present	believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	Mass	B. MAXIMUM 30 DAY VALUE Concentration	Mass	C. LONG TERM AVRG. VALUE Concentration	Mass	3. Units No. of Analyses	Concentration	Mass
GCMS FRACTION - VOLATILE COMPOUNDS												
Acrolein (00107-02-8)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Acrylonitrile (00107-13-1)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Benzene (00071-43-2)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
BIS (Chloromethyl) Ether (542-88-1)	____	____	__X__	No Sample Required		No Sample Required		No Sample Required				
Bromoform (00075-25-2)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Carbon Tetrachloride (00056-23-5)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Chlorobenzene (00108-90-7)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Chlorodibromomethane (00124-48-1)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Chloroethane (00075-00-3)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
2-Chloroethylvinyl Ether (00110-75-8)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Chloroform (00067-66-3)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Dichlorobromomethane (00075-27-4)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Dichlorodifluormethane (75-71-8)	____	____	__X__	No Sample Required		No Sample Required		No Sample Required				
1,1-Dichloroethane (00075-34-3)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
1,2-Dichloroethane (00107-06-2)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
1,1-Dichloroethylene (00075-35-4)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
1,2-Dichloropropane (00078-87-5)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
1,3-Dichloropropylene (10061-02-6)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Ethyl Benzene (00100-41-4)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Methyl Bromide (00074-83-9)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Methyl Chloride (00074-87-3)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY

Run on 06/03/2010

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Outfall 101

1. POLLUTANT	Mark X testing required	believed present	believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	Mass	B. MAXIMUM 30 DAY VALUE Concentration	Mass	C. LONG TERM AVRG. VALUE Concentration	Mass	No. of Analyses	3. Units Concentration	Mass
GCMS FRACTION-VOLATILE COMPOUNDS (CONT.)												
Methylene Chloride (00075-09-2)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
1,1,2,2-Tetrachloroethane (00079-34-5)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Tetrachloroethylene (00127-18-4)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Toluene (00108-88-3)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
1,2-Trans-Dichloroethylene (00156-60-5)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
1,1,1-Trichloroethane (00071-55-6)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
1,1,2-Trichloroethane (00079-00-5)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Trichloroethylene (00079-01-6)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Trichlorofluoromethane (75-69-4)	____	____	__X__	No Sample Required		No Sample Required		No Sample Required				
Vinyl Chloride (00075-01-4)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
GCMS FRACTION - ACID COMPOUNDS												
2-Chlorophenol (00095-57-8)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
2,4-Dichlorophenol (00120-83-2)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
2,4-Dimethylphenol (00105-67-9)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
4,6-Dinitro-O-Cresol (00534-52-1)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
2,4-Dinitrophenol (00051-28-5)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
2-Nitrophenol (00088-75-5)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
4-Nitrophenol (00100-02-7)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
P-Chloro-M-Cresol (00059-50-7)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Pentachlorophenol (00087-86-5)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Phenol (00108-95-2)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
2,4,6-Trichlorophenol (00088-06-2)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY

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Outfall 101

1. POLLUTANT	Mark X testing required	believed present	believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	Mass	B. MAXIMUM 30 DAY VALUE Concentration	Mass	C. LONG TERM AVRG. VALUE Concentration	Mass	3. Units No. of Analyses	Concentration	Mass
GCMS FRACTION - BASE/NEUTRAL COMPOUNDS												
Acenaphthene (00083-32-9)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Acenaphthylene (00208-96-8)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Anthracene (00120-12-7)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Benzidine (00092-87-5)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Benzo (A) Anthracene (00056-55-3)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Benzo (A) Pyrene (00050-32-8)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
3,4-Benzofluoranthene (00205-99-2)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Benzo (G H I) Perylene (00191-24-2)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Benzo (K) Fluoranthene (00207-08-9)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Bis(2-Chloroethoxy) Methane (00111-91-1)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Bis(-2-Chloroethyl) Ether (00111-44-4)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Bis(2-Chloroisopropyl) Ether (00108-60-1)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Bis(2-Ethylhexyl) Phthalate (00117-81-7)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
4-Bromophenyl-Phenyl Ether (00101-55-3)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Butyl Benzyl Phthalate (00085-68-7)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
2-Chloronaphthalene (00091-58-7)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
4-Chlorophenyl-Phenyl Ether (07005-72-3)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Chrysene (00218-01-9)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Dibenzo (A H) Anthracene (00053-70-3)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
1,2-Dichlorobenzene (00095-50-1)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
1,3-Dichlorobenzene (00541-73-1)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY

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Outfall 101

1. POLLUTANT	Mark X testing required	believed present	believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	Mass	B. MAXIMUM 30 DAY VALUE Concentration	Mass	C. LONG TERM AVRG. VALUE Concentration	Mass	3. Units No. of Analyses	Concentration	Mass
GCMS FRACTION - BASE/NEUTRAL COMP.(CONT)												
1,4-Dichlorobenzene (00106-46-7)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
3,3'-Dichlorobenzidine (00091-94-1)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Diethyl Phthalate (00084-66-2)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Dimethyl Phthalate (00131-11-3)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Di-N-Butyl Phthalate (00084-74-2)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
2,4-Dinitrotoluene (00121-14-2)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
2,6-Dinitrotoluene (00606-20-2)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Di-N-Octyl Phthalate (00117-84-0)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
1,2-Diphenylhydrazine (00122-66-7)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Fluoranthene (00206-44-0)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Fluorene (00086-73-7)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Hexachlorobenzene (00118-74-1)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Hexachlorobutadiene (00087-68-3)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Hexachlorocyclopentadiene (00077-47-4)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Hexachloroethane (00067-72-1)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Indeno (1,2,3-Cd) Pyrene (00193-39-5)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Isophorone (00078-59-1)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Naphthalene (00091-20-3)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Nitrobenzene (00098-95-3)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
N-Nitrosodimethylamine (00062-75-9)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
N-Nitroso-Di-N-Propylamine (00621-64-7)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY

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Outfall 101

1. POLLUTANT	Mark X testing required	believed present	believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	Mass	B. MAXIMUM 30 DAY VALUE Concentration	Mass	C. LONG TERM AVRG. VALUE Concentration	Mass	No. of Analyses	3. Units Concentration	Mass
GCMS FRACTION - BASE/NEUTRAL COMP (CONT)												
N-Nitrosodiphenylamine (00086-30-6)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Phenanthrene (00085-01-8)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Pyrene (00129-00-0)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
1,2,4-Trichlorobenzene (00120-82-1)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
GCMS FRACTION - PESTICIDES												
Aldrin (00309-00-2)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Alpha BHC (00319-84-6)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Beta BHC (00319-85-7)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Gamma BHC (00058-89-9)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Delta BHC (00319-86-8)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Chlordane (00057-74-9)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
4,4pr DDT (00050-29-3)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
4,4pr DDE (00072-55-9)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
4,4pr DDD (00072-54-8)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Dieldrin (00060-57-1)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Alpha-Endosulfan (00115-29-7)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Beta-Endosulfan (00115-29-7)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Endosulfan Sulfate (01031-07-8)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Endrin (00072-20-8)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Endrin Aldehyde (07421-93-4)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Heptachlor (00076-44-8)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY

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Outfall 101

1. POLLUTANT	Mark X testing required	believed present	believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	Mass	B. MAXIMUM 30 DAY VALUE Concentration	Mass	C. LONG TERM AVRG. VALUE Concentration	Mass	3. Units No. of Analyses	Concentration	Mass
GCMS FRACTION - PESTICIDES (CONTINUED)												
Heptachlor-Epoxide (01024-57-3)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
PCB 1242 (53469-21-9)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
PCB 1254 (11097-69-1)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
PCB 1221 (11104-28-2)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
PCB 1232 (11141-16-5)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
PCB 1248 (12672-29-6)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
PCB 1260 (11096-82-5)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
PCB 1016 (12674-11-2)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Toxaphene (08001-35-2)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY

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Outfall 101

	Mark X testing required	believed present	believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	Mass	B. MAXIMUM 30 DAY VALUE Concentration	Mass	C. LONG TERM AVRG. VALUE Concentration	Mass	No. of Analyses	3. Units Concentration	Mass
MISCELLANEOUS ATTACHMENT A PARAMETERS												
Total Hardness As Caco3	_____	__X__		No Sample .		.		.		0	PPM	LB/DAY

Run on 06/03/2010

EPA I.D. NUMBER= VA0083097

V. Intake and effluent characteristics (continued from page 3 of Form 2c)

Outfall 101

Part A- You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

	2. Effluent							3. Units	
	A. MAXIMUM DAILY VALUE		B. MAXIMUM 30 DAY VALUE		C. LONG TERM AVRG. VALUE				
	Concentration	Mass	Concentration	Mass	Concentration	Mass	No. of Analyses	Concentration	Mass
Biochemical Oxygen Demand	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Chemical Oxygen Demand	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Total Organic Carbon	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Total Suspended Solids	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Ammonia,total	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Flow	3.097	.	3.051	.	2.2248	.	156	MGD	.
Temperature (Winter)	No Sample	.	.	.	.	.	0	DEGREES C	.
Temperature (Summer)	No Sample	.	.	.	.	.	0	DEGREES C	.
pH	No Sample	.	. (min)	. (max)	N/A	N/A	0	STD. UNITS	.

PART B.

	Mark X		2. Effluent						3. Units	
			A. MAXIMUM DAILY VALUE		B. MAXIMUM 30 DAY VALUE		C. LONG TERM AVRG. VALUE			
	believed present	believed absent	Concentration	Mass	Concentration	Mass	Concentration	Mass	No. of Analyses	Concentration	Mass
Bromide,total (24959-67-6)	____	__X__	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Chlorine, Total Residual	____	__X__	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Color	____	__X__	No Sample	.	.	.	.	.	0	PCU	.
Fecal Coliform	____	__X__	No Sample	.	.	.	.	.	0	COL/100ML	.
Fluoride (16984-48-8)	____	__X__	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Nitrate + Nitrite	____	__X__	No Sample	.	.	.	.	.	0	PPM	LB/DAY

Run on 06/03/2010

EPA I.D. NUMBER= VA0083097

V. Intake and effluent characteristics (continued from page 3 of Form 2c) Outfall 102

Part A- You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

	2. Effluent							3. Units	
	A. MAXIMUM DAILY VALUE		B. MAXIMUM 30 DAY VALUE		C. LONG TERM AVRG. VALUE				
	Concentration	Mass	Concentration	Mass	Concentration	Mass	No. of Analyses	Concentration	Mass
Biochemical Oxygen Demand	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Chemical Oxygen Demand	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Total Organic Carbon	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Total Suspended Solids	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Ammonia,total	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Flow	0.806	.	0.792	.	0.7955	.	4	MGD	.
Temperature (Winter)	No Sample	.	.	.	.	.	0	DEGREES C	.
Temperature (Summer)	No Sample	.	.	.	.	.	0	DEGREES C	.
pH	No Sample	.	. (min)	. (max)	N/A	N/A	0	STD. UNITS	.

PART B.

	Mark X		2. Effluent						3. Units	
			A. MAXIMUM DAILY VALUE		B. MAXIMUM 30 DAY VALUE		C. LONG TERM AVRG. VALUE			
	believed present	believed absent	Concentration	Mass	Concentration	Mass	Concentration	Mass	No. of Analyses	Concentration	Mass
Bromide,total (24959-67-6)	____	__X__	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Chlorine, Total Residual	____	__X__	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Color	____	__X__	No Sample	.	.	.	.	.	0	PCU	.
Fecal Coliform	____	__X__	No Sample	.	.	.	.	.	0	COL/100ML	.
Fluoride (16984-48-8)	____	__X__	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Nitrate + Nitrite	____	__X__	No Sample	.	.	.	.	.	0	PPM	LB/DAY

Item V-B Continued Outfall 102

Part C.

1. POLLUTANT	Mark X believed present	Mark X believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	A. Mass	B. MAXIMUM 30 DAY VALUE Concentration	B. Mass	C. LONG TERM AVRG. VALUE Concentration	C. Mass	3. Units No. of Analyses	Concentration	Mass
Nitrogen, Total Org. (As N)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Oil & Grease		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Phosphorus (As P), Total (07723-14-0)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
j. Radioactivity **********											
Alpha, Total		X	No Sample	.	.	.	.	.	0	PCI/LITER	.
Beta, Total		X	No Sample	.	.	.	.	.	0	PCI/LITER	.
Radium,total		X	No Sample	.	.	.	.	.	0	PCI/LITER	.
Radium 226 , Total		X	No Sample	.	.	.	.	.	0	PCI/LITER	.
Sulfate (As So4) (14808-79-8)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Sulfide (As S)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Sulfite (As So3) (14265-45-3)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Surfactants		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Aluminum,total (07429-90-5)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Barium,total (07440-39-3)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Boron,total (07440-42-8)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Cobalt,total (07440-48-4)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Iron,total (07439-89-6)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Magnesium,total (07439-95-4)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Molybdenum,total (07439-98-7)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Manganese,total (07439-96-5)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Tin,total (07440-31-5)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Titanium,total (07440-32-6)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY

Run on 06/03/2010

Continued from Page V2

Outfall 102

1. POLLUTANT	Mark X testing required	believed present	believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	Mass	B. MAXIMUM 30 DAY VALUE Concentration	Mass	C. LONG TERM AVRG. VALUE Concentration	Mass	3. Units No. of Analyses	Concentration	Mass
METALS, CYANIDE, AND TOTAL PHENOLS												
Antimony,total (07440-36-0)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Arsenic,total (07440-38-2)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Beryllium,total (07440-41-7)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Cadmium,total (07440-43-9)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Chromium,total (07440-47-3)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Copper,total (07440-50-8)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Lead,total (07439-92-1)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Mercury,total (07439-97-6)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Nickel,total (07440-02-0)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Selenium,total (07782-49-2)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Silver,total (07440-22-4)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Thallium,total (07440-28-0)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Zinc,total (07440-66-6)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Cyanide , Total (00057-12-5)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Total Phenols	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
DIOXIN												
Dioxin Screen	____	____	__X_	No Sample .	.	.	.	.	.	.	PPM	LB/DAY

Run on 06/03/2010

Continued from Page V3

Outfall 102

1. POLLUTANT	Mark X testing required	believed present	believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	Mass	B. MAXIMUM 30 DAY VALUE Concentration	Mass	C. LONG TERM AVRG. VALUE Concentration	Mass	3. Units No. of Analyses	Concentration	Mass
GCMS FRACTION - VOLATILE COMPOUNDS												
Acrolein (00107-02-8)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Acrylonitrile (00107-13-1)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Benzene (00071-43-2)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
BIS (Chloromethyl) Ether (542-88-1)	____	____	__X__	No Sample Required		No Sample Required		No Sample Required				
Bromoform (00075-25-2)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Carbon Tetrachloride (00056-23-5)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Chlorobenzene (00108-90-7)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Chlorodibromomethane (00124-48-1)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Chloroethane (00075-00-3)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
2-Chloroethylvinyl Ether (00110-75-8)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Chloroform (00067-66-3)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Dichlorobromomethane (00075-27-4)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Dichlorodifluormethane (75-71-8)	____	____	__X__	No Sample Required		No Sample Required		No Sample Required				
1,1-Dichloroethane (00075-34-3)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
1,2-Dichloroethane (00107-06-2)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
1,1-Dichloroethylene (00075-35-4)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
1,2-Dichloropropane (00078-87-5)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
1,3-Dichloropropylene (10061-02-6)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Ethyl Benzene (00100-41-4)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Methyl Bromide (00074-83-9)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Methyl Chloride (00074-87-3)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY

Continued from Page V4

Outfall 102

1. POLLUTANT	Mark X testing required	believed present	believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	Mass	B. MAXIMUM 30 DAY VALUE Concentration	Mass	C. LONG TERM AVRG. VALUE Concentration	Mass	3. Units No. of Analyses	Concentration	Mass
GCMS FRACTION-VOLATILE COMPOUNDS (CONT.)												
Methylene Chloride (00075-09-2)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
1,1,2,2-Tetrachloroethane (00079-34-5)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Tetrachloroethylene (00127-18-4)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Toluene (00108-88-3)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
1,2-Trans-Dichloroethylene (00156-60-5)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
1,1,1-Trichloroethane (00071-55-6)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
1,1,2-Trichloroethane (00079-00-5)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Trichloroethylene (00079-01-6)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Trichlorofluoromethane (75-69-4)	____	____	__X__	No Sample Required		No Sample Required		No Sample Required				
Vinyl Chloride (00075-01-4)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
GCMS FRACTION - ACID COMPOUNDS												
2-Chlorophenol (00095-57-8)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
2,4-Dichlorophenol (00120-83-2)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
2,4-Dimethylphenol (00105-67-9)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
4,6-Dinitro-O-Cresol (00534-52-1)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
2,4-Dinitrophenol (00051-28-5)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
2-Nitrophenol (00088-75-5)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
4-Nitrophenol (00100-02-7)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
P-Chloro-M-Cresol (00059-50-7)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Pentachlorophenol (00087-86-5)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Phenol (00108-95-2)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
2,4,6-Trichlorophenol (00088-06-2)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY

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Outfall 102

1. POLLUTANT	Mark X testing required	believed present	believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	Mass	B. MAXIMUM 30 DAY VALUE Concentration	Mass	C. LONG TERM AVRG. VALUE Concentration	Mass	3. Units No. of Analyses	Concentration	Mass
GCMS FRACTION - BASE/NEUTRAL COMPOUNDS												
Acenaphthene (00083-32-9)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Acenaphthylene (00208-96-8)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Anthracene (00120-12-7)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Benzidine (00092-87-5)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Benzo (A) Anthracene (00056-55-3)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Benzo (A) Pyrene (00050-32-8)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
3,4-Benzofluoranthene (00205-99-2)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Benzo (G H I) Perylene (00191-24-2)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Benzo (K) Fluoranthene (00207-08-9)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Bis(2-Chloroethoxy) Methane (00111-91-1)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Bis(-2-Chloroethyl) Ether (00111-44-4)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Bis(2-Chloroisopropyl) Ether (00108-60-1)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Bis(2-Ethylhexyl) Phthalate (00117-81-7)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
4-Bromophenyl-Phenyl Ether (00101-55-3)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Butyl Benzyl Phthalate (00085-68-7)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
2-Chloronaphthalene (00091-58-7)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
4-Chlorophenyl-Phenyl Ether (07005-72-3)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Chrysene (00218-01-9)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Dibenzo (A H) Anthracene (00053-70-3)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
1,2-Dichlorobenzene (00095-50-1)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
1,3-Dichlorobenzene (00541-73-1)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY

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Outfall 102

1. POLLUTANT	Mark X testing required	believed present	believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	Mass	B. MAXIMUM 30 DAY VALUE Concentration	Mass	C. LONG TERM AVRG. VALUE Concentration	Mass	No. of Analyses	3. Units Concentration	Mass
GCMS FRACTION - BASE/NEUTRAL COMP.(CONT)												
1,4-Dichlorobenzene (00106-46-7)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
3,3'-Dichlorobenzidine (00091-94-1)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Diethyl Phthalate (00084-66-2)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Dimethyl Phthalate (00131-11-3)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Di-N-Butyl Phthalate (00084-74-2)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
2,4-Dinitrotoluene (00121-14-2)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
2,6-Dinitrotoluene (00606-20-2)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Di-N-Octyl Phthalate (00117-84-0)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
1,2-Diphenylhydrazine (00122-66-7)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Fluoranthene (00206-44-0)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Fluorene (00086-73-7)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Hexachlorobenzene (00118-74-1)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Hexachlorobutadiene (00087-68-3)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Hexachlorocyclopentadiene (00077-47-4)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Hexachloroethane (00067-72-1)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Indeno (1,2,3-Cd) Pyrene (00193-39-5)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Isophorone (00078-59-1)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Naphthalene (00091-20-3)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Nitrobenzene (00098-95-3)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
N-Nitrosodimethylamine (00062-75-9)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
N-Nitroso-Di-N-Propylamine (00621-64-7)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY

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Outfall 102

1. POLLUTANT	Mark X testing required	believed present	believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	Mass	B. MAXIMUM 30 DAY VALUE Concentration	Mass	C. LONG TERM AVRG. VALUE Concentration	Mass	No. of Analyses	3. Units Concentration	Mass
GCMS FRACTION - BASE/NEUTRAL COMP (CONT)												
N-Nitrosodiphenylamine (00086-30-6)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Phenanthrene (00085-01-8)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Pyrene (00129-00-0)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
1,2,4-Trichlorobenzene (00120-82-1)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
GCMS FRACTION - PESTICIDES												
Aldrin (00309-00-2)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Alpha BHC (00319-84-6)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Beta BHC (00319-85-7)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Gamma BHC (00058-89-9)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Delta BHC (00319-86-8)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Chlordane (00057-74-9)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
4,4pr DDT (00050-29-3)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
4,4pr DDE (00072-55-9)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
4,4pr DDD (00072-54-8)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Dieldrin (00060-57-1)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Alpha-Endosulfan (00115-29-7)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Beta-Endosulfan (00115-29-7)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Endosulfan Sulfate (01031-07-8)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Endrin (00072-20-8)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Endrin Aldehyde (07421-93-4)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Heptachlor (00076-44-8)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY

Continued from Page V8

Outfall 102

1. POLLUTANT	Mark X testing required	believed present	believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	Mass	B. MAXIMUM 30 DAY VALUE Concentration	Mass	C. LONG TERM AVRG. VALUE Concentration	Mass	No. of Analyses	3. Units Concentration	Mass
GCMS FRACTION - PESTICIDES (CONTINUED)												
Heptachlor-Epoxide (01024-57-3)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
PCB 1242 (53469-21-9)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
PCB 1254 (11097-69-1)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
PCB 1221 (11104-28-2)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
PCB 1232 (11141-16-5)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
PCB 1248 (12672-29-6)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
PCB 1260 (11096-82-5)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
PCB 1016 (12674-11-2)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Toxaphene (08001-35-2)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY

Continued from Page V9

Outfall 102

	Mark X testing required	believed present	believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	Mass	B. MAXIMUM 30 DAY VALUE Concentration	Mass	C. LONG TERM AVRG. VALUE Concentration	Mass	No. of Analyses	3. Units Concentration	Mass
MISCELLANEOUS ATTACHMENT A PARAMETERS												
Total Hardness As Caco3	_____	__X__		No Sample .		.		.		0	PPM	LB/DAY

Run on 06/03/2010

EPA I.D. NUMBER= VA0083097

V. Intake and effluent characteristics (continued from page 3 of Form 2c) Outfall 103

Part A- You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

	2. Effluent							3. Units	
	A. MAXIMUM DAILY VALUE		B. MAXIMUM 30 DAY VALUE		C. LONG TERM AVRG. VALUE				
	Concentration	Mass	Concentration	Mass	Concentration	Mass	No. of Analyses	Concentration	Mass
Biochemical Oxygen Demand	4.8	0.1722408	4.8	0.0859	<2.735	<0.0707	4	PPM	LB/DAY
Chemical Oxygen Demand	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Total Organic Carbon	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Total Suspended Solids	5.8	0.4326048	5.8	0.232	4.05	0.1248	4	PPM	LB/DAY
Ammonia,total	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Flow	0.0131	.	0.0067	.	0.0034	.	1134	MGD	.
Temperature (Winter)	No Sample	.	.	.	.	.	0	DEGREES C	.
Temperature (Summer)	No Sample	.	.	.	.	.	0	DEGREES C	.
pH	No Sample	.	. (min)	. (max)	N/A	N/A	0	STD. UNITS	.

PART B.

	Mark X		2. Effluent						3. Units	
	believed present	believed absent	A. MAXIMUM DAILY VALUE		B. MAXIMUM 30 DAY VALUE		C. LONG TERM AVRG. VALUE			
			Concentration	Mass	Concentration	Mass	Concentration	Mass	No. of Analyses	Concentration	Mass
Bromide,total (24959-67-6)	____	__X__	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Chlorine, Total Residual	____	__X__	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Color	____	__X__	No Sample	.	.	.	.	.	0	PCU	.
Fecal Coliform	____	__X__	No Sample	.	.	.	.	.	0	COL/100ML	.
Fluoride (16984-48-8)	____	__X__	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Nitrate + Nitrite	____	__X__	No Sample	.	.	.	.	.	0	PPM	LB/DAY

Run on 06/03/2010

Item V-B Continued Outfall 103
Part C.

1. POLLUTANT	Mark X believed present	Mark X believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	A. Mass	B. MAXIMUM 30 DAY VALUE Concentration	B. Mass	C. LONG TERM AVRG. VALUE Concentration	C. Mass	No. of Analyses	3. Units Concentration	Mass
Nitrogen, Total Org. (As N)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Oil & Grease		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Phosphorus (As P), Total (07723-14-0)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
j. Radioactivity **********											
Alpha, Total		X	No Sample	.	.	.	.	.	0	PCI/LITER	.
Beta, Total		X	No Sample	.	.	.	.	.	0	PCI/LITER	.
Radium,total		X	No Sample	.	.	.	.	.	0	PCI/LITER	.
Radium 226 , Total		X	No Sample	.	.	.	.	.	0	PCI/LITER	.
Sulfate (As So4) (14808-79-8)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Sulfide (As S)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Sulfite (As So3) (14265-45-3)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Surfactants		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Aluminum,total (07429-90-5)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Barium,total (07440-39-3)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Boron,total (07440-42-8)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Cobalt,total (07440-48-4)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Iron,total (07439-89-6)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Magnesium,total (07439-95-4)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Molybdenum,total (07439-98-7)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Manganese,total (07439-96-5)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Tin,total (07440-31-5)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Titanium,total (07440-32-6)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY

Continued from Page V2

Outfall 103

1. POLLUTANT	Mark X testing required	X believed present	X believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	A. Mass	B. MAXIMUM 30 DAY VALUE Concentration	B. Mass	C. LONG TERM AVRG. VALUE Concentration	C. Mass	No. of Analyses	3. Units Concentration	Mass
METALS, CYANIDE, AND TOTAL PHENOLS												
Antimony,total (07440-36-0)	____	____	__X_	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Arsenic,total (07440-38-2)	____	____	__X_	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Beryllium,total (07440-41-7)	____	____	__X_	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Cadmium,total (07440-43-9)	____	____	__X_	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Chromium,total (07440-47-3)	____	____	__X_	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Copper,total (07440-50-8)	____	____	__X_	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Lead,total (07439-92-1)	____	____	__X_	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Mercury,total (07439-97-6)	____	____	__X_	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Nickel,total (07440-02-0)	____	____	__X_	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Selenium,total (07782-49-2)	____	____	__X_	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Silver,total (07440-22-4)	____	____	__X_	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Thallium,total (07440-28-0)	____	____	__X_	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Zinc,total (07440-66-6)	____	____	__X_	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Cyanide , Total (00057-12-5)	____	____	__X_	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Total Phenols	____	____	__X_	No Sample	.	.	.	.	.	0	PPM	LB/DAY
DIOXIN												
Dioxin Screen	____	____	__X_	No Sample	.	.	.	.	.	.	PPM	LB/DAY

Continued from Page V3

Outfall 103

1. POLLUTANT	Mark X testing required	believed present	believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	Mass	B. MAXIMUM 30 DAY VALUE Concentration	Mass	C. LONG TERM AVRG. VALUE Concentration	Mass	No. of Analyses	3. Units Concentration	Mass
GCMS FRACTION - VOLATILE COMPOUNDS												
Acrolein (00107-02-8)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Acrylonitrile (00107-13-1)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Benzene (00071-43-2)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
BIS (Chloromethyl) Ether (542-88-1)	____	____	__X__	No Sample Required		No Sample Required		No Sample Required				
Bromoform (00075-25-2)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Carbon Tetrachloride (00056-23-5)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Chlorobenzene (00108-90-7)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Chlorodibromomethane (00124-48-1)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Chloroethane (00075-00-3)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
2-Chloroethylvinyl Ether (00110-75-8)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Chloroform (00067-66-3)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Dichlorobromomethane (00075-27-4)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Dichlorodifluormethane (75-71-8)	____	____	__X__	No Sample Required		No Sample Required		No Sample Required				
1,1-Dichloroethane (00075-34-3)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
1,2-Dichloroethane (00107-06-2)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
1,1-Dichloroethylene (00075-35-4)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
1,2-Dichloropropane (00078-87-5)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
1,3-Dichloropropylene (10061-02-6)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Ethyl Benzene (00100-41-4)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Methyl Bromide (00074-83-9)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Methyl Chloride (00074-87-3)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY

Continued from Page V4

Outfall 103

1. POLLUTANT	Mark X testing required	believed present	believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	Mass	B. MAXIMUM 30 DAY VALUE Concentration	Mass	C. LONG TERM AVRG. VALUE Concentration	Mass	No. of Analyses	3. Units Concentration	Mass
GCMS FRACTION-VOLATILE COMPOUNDS (CONT.)												
Methylene Chloride (00075-09-2)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
1,1,2,2-Tetrachloroethane (00079-34-5)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Tetrachloroethylene (00127-18-4)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Toluene (00108-88-3)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
1,2-Trans-Dichloroethylene (00156-60-5)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
1,1,1-Trichloroethane (00071-55-6)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
1,1,2-Trichloroethane (00079-00-5)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Trichloroethylene (00079-01-6)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Trichlorofluoromethane (75-69-4)	____	____	__X__	No Sample Required		No Sample Required		No Sample Required				
Vinyl Chloride (00075-01-4)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
GCMS FRACTION - ACID COMPOUNDS												
2-Chlorophenol (00095-57-8)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
2,4-Dichlorophenol (00120-83-2)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
2,4-Dimethylphenol (00105-67-9)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
4,6-Dinitro-O-Cresol (00534-52-1)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
2,4-Dinitrophenol (00051-28-5)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
2-Nitrophenol (00088-75-5)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
4-Nitrophenol (00100-02-7)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
P-Chloro-M-Cresol (00059-50-7)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Pentachlorophenol (00087-86-5)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Phenol (00108-95-2)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
2,4,6-Trichlorophenol (00088-06-2)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY

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Outfall 103

1. POLLUTANT	Mark X testing required	X believed present	X believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	A. Mass	B. MAXIMUM 30 DAY VALUE Concentration	B. Mass	C. LONG TERM AVRG. VALUE Concentration	C. Mass	No. of Analyses	3. Units Concentration	Mass
GCMS FRACTION - BASE/NEUTRAL COMPOUNDS												
Acenaphthene (00083-32-9)	____	____	__X_	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Acenaphthylene (00208-96-8)	____	____	__X_	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Anthracene (00120-12-7)	____	____	__X_	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Benzidine (00092-87-5)	____	____	__X_	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Benzo (A) Anthracene (00056-55-3)	____	____	__X_	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Benzo (A) Pyrene (00050-32-8)	____	____	__X_	No Sample	.	.	.	.	.	0	PPM	LB/DAY
3,4-Benzofluoranthene (00205-99-2)	____	____	__X_	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Benzo (G H I) Perylene (00191-24-2)	____	____	__X_	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Benzo (K) Fluoranthene (00207-08-9)	____	____	__X_	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Bis(2-Chloroethoxy) Methane (00111-91-1)	____	____	__X_	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Bis(-2-Chloroethyl) Ether (00111-44-4)	____	____	__X_	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Bis(2-Chloroisopropyl) Ether (00108-60-1)	____	____	__X_	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Bis(2-Ethylhexyl) Phthalate (00117-81-7)	____	____	__X_	No Sample	.	.	.	.	.	0	PPM	LB/DAY
4-Bromophenyl-Phenyl Ether (00101-55-3)	____	____	__X_	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Butyl Benzyl Phthalate (00085-68-7)	____	____	__X_	No Sample	.	.	.	.	.	0	PPM	LB/DAY
2-Chloronaphthalene (00091-58-7)	____	____	__X_	No Sample	.	.	.	.	.	0	PPM	LB/DAY
4-Chlorophenyl-Phenyl Ether (07005-72-3)	____	____	__X_	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Chrysene (00218-01-9)	____	____	__X_	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Dibenzo (A H) Anthracene (00053-70-3)	____	____	__X_	No Sample	.	.	.	.	.	0	PPM	LB/DAY
1,2-Dichlorobenzene (00095-50-1)	____	____	__X_	No Sample	.	.	.	.	.	0	PPM	LB/DAY
1,3-Dichlorobenzene (00541-73-1)	____	____	__X_	No Sample	.	.	.	.	.	0	PPM	LB/DAY

Continued from Page V6

Outfall 103

1. POLLUTANT	Mark X testing required	believed present	believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	Mass	B. MAXIMUM 30 DAY VALUE Concentration	Mass	C. LONG TERM AVRG. VALUE Concentration	Mass	No. of Analyses	3. Units Concentration	Mass
GCMS FRACTION - BASE/NEUTRAL COMP.(CONT)												
1,4-Dichlorobenzene (00106-46-7)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
3,3'-Dichlorobenzidine (00091-94-1)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Diethyl Phthalate (00084-66-2)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Dimethyl Phthalate (00131-11-3)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Di-N-Butyl Phthalate (00084-74-2)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
2,4-Dinitrotoluene (00121-14-2)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
2,6-Dinitrotoluene (00606-20-2)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Di-N-Octyl Phthalate (00117-84-0)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
1,2-Diphenylhydrazine (00122-66-7)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Fluoranthene (00206-44-0)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Fluorene (00086-73-7)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Hexachlorobenzene (00118-74-1)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Hexachlorobutadiene (00087-68-3)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Hexachlorocyclopentadiene (00077-47-4)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Hexachloroethane (00067-72-1)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Indeno (1,2,3-Cd) Pyrene (00193-39-5)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Isophorone (00078-59-1)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Naphthalene (00091-20-3)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
Nitrobenzene (00098-95-3)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
N-Nitrosodimethylamine (00062-75-9)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY
N-Nitroso-Di-N-Propylamine (00621-64-7)	____	____	__X_	No Sample .	.	.	.	.	.	0	PPM	LB/DAY

Continued from Page V7

Outfall 103

1. POLLUTANT	Mark X testing required	believed present	believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	Mass	B. MAXIMUM 30 DAY VALUE Concentration	Mass	C. LONG TERM AVRG. VALUE Concentration	Mass	No. of Analyses	3. Units Concentration	Mass
GCMS FRACTION - BASE/NEUTRAL COMP (CONT)												
N-Nitrosodiphenylamine (00086-30-6)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Phenanthrene (00085-01-8)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Pyrene (00129-00-0)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
1,2,4-Trichlorobenzene (00120-82-1)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
GCMS FRACTION - PESTICIDES												
Aldrin (00309-00-2)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Alpha BHC (00319-84-6)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Beta BHC (00319-85-7)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Gamma BHC (00058-89-9)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Delta BHC (00319-86-8)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Chlordane (00057-74-9)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
4,4pr DDT (00050-29-3)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
4,4pr DDE (00072-55-9)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
4,4pr DDD (00072-54-8)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Dieldrin (00060-57-1)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Alpha-Endosulfan (00115-29-7)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Beta-Endosulfan (00115-29-7)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Endosulfan Sulfate (01031-07-8)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Endrin (00072-20-8)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Endrin Aldehyde (07421-93-4)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Heptachlor (00076-44-8)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY

Continued from Page V8

Outfall 103

1. POLLUTANT	Mark X testing required	believed present	believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	Mass	B. MAXIMUM 30 DAY VALUE Concentration	Mass	C. LONG TERM AVRG. VALUE Concentration	Mass	No. of Analyses	3. Units Concentration	Mass
GCMS FRACTION - PESTICIDES (CONTINUED)												
Heptachlor-Epoxide (01024-57-3)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
PCB 1242 (53469-21-9)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
PCB 1254 (11097-69-1)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
PCB 1221 (11104-28-2)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
PCB 1232 (11141-16-5)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
PCB 1248 (12672-29-6)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
PCB 1260 (11096-82-5)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
PCB 1016 (12674-11-2)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY
Toxaphene (08001-35-2)	____	____	__X_	No Sample .		.	.	.	.	0	PPM	LB/DAY

Continued from Page V9

Outfall 103

	Mark X testing required	believed present	believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	Mass	B. MAXIMUM 30 DAY VALUE Concentration	Mass	C. LONG TERM AVRG. VALUE Concentration	Mass	No. of Analyses	3. Units Concentration	Mass
MISCELLANEOUS ATTACHMENT A PARAMETERS												
Total Hardness As Caco3	____	__X__		No Sample .		.		.		0	PPM	LB/DAY

Run on 06/03/2010

ADDENDUM TO APPLICATION FORM 2C

ITEM II. FLOWS, SOURCES OF POLLUTION, AND TREATMENT TECHNOLOGY

Item II-A (Line drawing)

A line drawing is attached, which shows the general route taken by water from intake to discharge. An exact water balance cannot be provided because a substantial component of the water flow through the power station is derived from rainfall. Some water is also lost to evaporation. Additionally, water inflow and outflow is dependent upon time of year and generating output. The data used to generate the average flows shown on the drawing are described under Item V below.

Item II-B (Outfall Description)

Outfall 001 –Holding Pond

The Holding Pond is located between the Sludge Storage Ponds and the Coal Pile/Limestone Runoff Pond. The location can be seen on the attached Surface Water Outfall Plan. The pond receives wastewater from plant drains, oil/water separator discharges, boiler blowdown, cooling tower blowdown (Outall 101), the station's sewage treatment plant (Outfall 103), and the neutralization basin (Outfall 102). Water is pumped from the Holding Pond to the flue gas desulfurization (FGD) system for reuse. Water in excess of that required for the FGD system discharges to the Roanoke River. The pond is designed to contain approximately 48 hours of wastewater produced by the station's two generating units.

Outfall 101 – Cooling Tower Blowdown

The cooling towers are located on the east side of the plant site (see Surface Water Outfall Plan). Blowdown wastewater from both cooling towers discharges to the Holding Pond. Chemicals are added to inhibit scale from forming within the cooling water system, and prevent fouling from bacterial slime and algae.

Outfall 102 – Neutralization Basin

The Neutralization Basin is located immediately west of the Water Treatment/Service/Firewater Pump Building (see Surface Water Outfall Plan). The Neutralization Basin is used to collect all chemical wastewater originating in the station. The basin collects wastewater from chemical drains in the Unit 1 Circulating Water Chemical Feed/Electrical Building, the Unit 2 Circulating Water Chemical Feed/Electrical Building, the Generation Building including lab wastes, and the Water Treatment/Service/Firewater Pump Building as well as chemical cleaning wastes.

The wastewater is treated in the basin and is then transferred to the Holding Pond or the Sludge Ponds. Wastewater sent to the Sludge Pond is used as FGD scrubber make-up water, and is not discharged to surface waters. Routing of the neutralization basin to the Sludge Pond has been the typical mode of operation.

Treatment of the chemical wastes is by pH adjustment. The self-neutralizing tendencies of the acidic and alkaline wastes are enhanced by the use of the Chemical Waste Mixer. In the event that the wastes are not self-neutralizing, acid or caustic is added. As an alternative, other neutralizing chemicals may be added such as bagged citric acid or soda ash.

Outfall 103- Sewage Treatment Plant

The sewage treatment plant is a diffused air extended aeration sewage treatment plant with three parallel process units. The design effluent flow is 5,000 gallons/day per module. The three-modular plant is able to treat 15,000 gallons/day. The design average flow during normal plant operation is 9,800 gallons/day. A peak flow of 40 gpm may be obtained when both sanitary lift pumps are operating.

Outfall 002 – Coal/Limestone Runoff Pond

The Coal Pile/Limestone Runoff Pond is located just north of the Holding Pond (see Surface Water Outfall Plan). The pond collects rainwater runoff from the coal, limestone, and lime

storage and handling areas, and the coal combustion byproducts (CCB) handling areas. In addition, an infrequent small quantity of water will flow to the Coal Pile/Limestone Runoff Pond from washing the coal, lime, and limestone unloading facilities and CCB handling area and equipment. Water from the pond is discharged to the Roanoke River or to the Sludge Pond. Caustic, lime, limestone or soda ash (sodium carbonate) are used to raise the pH of the pond to within acceptable limits prior to release.

Outfall 009 (Stage III Phase 1 & 2 landfill runoff pond)

Outfall 009 discharges wastewaters collected in the Stage III Landfill Runoff Ponds, which consists of two primary and two secondary treatment basins. The location can be seen on the Surface Water Outfall Plan and also on the Stage III Final Grading Plan drawing. The ponds collect the rainwater runoff and leachate from the Stage III landfill, groundwater collected by the landfill's underdrain system, leachate from the Stages I & II landfill, rainwater runoff from the Stages I & II runoff pond, groundwater well purge water, and pumped discharge from Outfall 003. The combined wastewater is then pumped to the Roanoke River through Outfall 009. Caustic, lime, limestone or soda ash may be added to the pond as needed to maintain the discharge pH within permitted limits.

Wastewater is pumped to the river using two identical pumps that are operated in manual mode. The pumping rate for each individual pump is 400 gpm (0.576 mgd). Typically, only one pump at a time will operate so the average predicted flow rate should approximate the pumping rate for a single pump. Consequently, the average flow rate provided for Outfall 009 is 0.576 mgd, and the average mass loadings were calculated using this flow and the average chemical concentrations for Outfall 009.

During periods of extremely high rainfall (i.e., 25-year 24-hour rain event) it may be necessary to operate two pumps concurrently in order to remove accumulated wastewaters.

Current plans are to construct Phase 2B of the Stage III landfill so that it is ready to receive combustion by-products in late 2011 or early 2012.

ITEM II.C INTERMITTENT OR SEASONAL DISCHARGES

Outfall 002 is a settling pond that receives storm water runoff from the coal and limestone storage areas. It is sized to retain the rainfall runoff from the coal, lime, and limestone handling and storage areas and the CCB handling area during a 25-year, 24-hour rainfall event. The pond has a surface area of about 3.2 acres and a usable depth of 4 feet, plus 2 feet of freeboard. Excluding the freeboard the pond would contain 4,165,154 gallons when full.

The frequency of discharge from Outfall 002 is dependent on the frequency and volume of rainfall. Typically, discharges are initiated when the pond is about half full, and the pond is drained until it is almost empty. Therefore, the typical volume discharged during any release would approximate 2 million gallons (or one half of the volume when full).

ITEM IV IMPROVEMEMTS

The current VPDES permit requires the station to meet a manganese limit of 50 ug/l by January 15, 2011 for Outfall 009. The station charted a holistic approach to address manganese in the facility's industrial discharges outfalls. This approach, described in the Conceptual Design Report included in the application, will involve combining Outfall 002 and 009, construction of a new wastewater treatment plant and discharge the combined treated wastewater through the existing outfall 009.

ITEM V – A, B, & C INTAKE AND EFFLUENT CHARACTERISTICS

Effluent samples used to generate the data included in Form 2C were collected during periods representative of facility operations by persons experienced in the sampling of industrial effluents. The samples were collected in accordance with procedures described in the instructions for Form 2C as modified by waivers approved by DEQ (see attached July 1, 2009 letter). Sample analyses were performed in accordance with methods promulgated in 40 CFR Part 136

ITEM V: FORMS

As allowed by Form 2C instructions, the required data are being submitted on separate sheets as an attachment to Form 2C. The data sheets we are submitting were computer generated, which greatly shortened the amount of clerical effort needed to prepare the application. The sheets contain the required information in a format consistent with pages V-1 to V-9 in spacing and in identification of pollutants and pollutant columns. The forms were generated with a program written at Dominion using SAS v8.2 using the data described under *ITEM V - A.B.&C: Intake and Effluent Characteristics* above. The calculations were performed as follows:

- Daily maximum concentrations were determined as the highest daily value.
- Daily maximum mass loadings were determined as follows:
  1. Where corresponding concentration and flow data exist for a particular parameter on a particular day, the mass loading for that day was determined using this information.
  2. Where concentration data exist, but there are no corresponding flow data, the maximum monthly average flow reported on the DMR was used to derive the loading for that day.
  3. The highest daily maximum loading determined was reported on the Form 2C as the Maximum Daily Mass.
- Maximum 30-day concentrations were determined as the highest monthly average for the monitoring period evaluated.
- Maximum 30-day mass loadings were determined as follows:
  1. Where corresponding concentration and flow data exist for a particular parameter on a particular day, the mass loading for that day was determined using this information.
  2. Where concentration data exist, but there are no corresponding flow data, the maximum monthly average flow reported on the DMR was used to derive the loading for that day.

3. The above data were then used to determine average monthly loadings, and the highest of these values was selected as the Maximum 30-day mass.

- The long-term average concentration was determined as the average of the monthly average concentrations.
- The long-term average mass loading was determined as the average of the monthly average loadings.

ITEM VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

Table 1 below shows chemicals that may be used, are being used, or have been used in the past at the Clover Power Station. In addition, Clover Power Station uses numerous chemicals to operate and maintain its equipment, vehicles, and facilities. Examples of these chemicals include lubricants, cleaners, detergents, polishes, waxes, cleaners, cutting oils, sanitizers, paints, solvents, and protectants. The majority of these chemicals are managed in small containers but some are managed in larger quantities.

Clover Power Station may also use a number of other chemicals, or products containing, the following chemicals. Potential use of these chemicals is based upon their use at other similar Dominion facilities.

Ammonium hydroxide	Ammonium biflouride
EDTA	Potassium hydroxide
Sodium phosphate (dibasic)	Sodium Phosphate (tribasic)
Hydrochloric acid	Toluene
Sodium nitrite	Ethylene Glycol
Naphthalene	Acetic Acid
Naphtha	Polydimethylsiloxane emulsion

The above chemicals and chemical types have the potential to appear in discharges from the Clover Power Station at very low concentrations (i.e., below the level of detection).

Table 1. The following is a list of chemicals that may be used, are being used, or have been used in the past at the Clover Power Station.

CHEMICAL NAME OR BRAND	DESCRIPTION OF CHEMICAL	TYPCIAL USE OF CHEMICAL	OUTFALLS POTENTIALLY AFFECTED
50% Sodium Hydroxide		Water treatment (ponds, demin, service water)	001, 002, 009, 102
AD 20	Acidic RO cleaner	Water treatment (RO)	101, 102
Adipic acid		Used in scrubber to improve efficiency	Traces in CCBs to landfill
AK 110	Alkaline RO cleaner	Water treatment (RO)	101, 102
Alum	aluminum sulfate	Water treatment (raw water)	001, 102
Anhydrous ammonia	Refrigerant grade, gaseous	Boiler water treatment	001, 102
Citric acid	pH adjustment	Wastewater treatment (holding pond, coal pile runoff pond, landfill ponds)	001, 002, , 009
Crusting agent	Latex based	Coal pile	002
BETZ AF1440	Oil-based defoamer	Scrubber	Traces in CCBs to landfill
BETZ DK9470	Silicone-based defoamer	Scrubber	Traces in CCBs to landfill
BETZ BL5305	HEDP inhibitor/dispersant	Water treatment (cooling tower)	001,101
Hydrogen peroxide		Used in cooling towers for cleanings	001, 101
Klaraid PC 1192	Flocculent	Wastewater treatment (STP, coal pile runoff pond,).	001, 002, 011, 012, 013, 014, 015, 016, 102
Klaraid CDP1346	Flocculent	Same as Alum	001, 101, 102
Polyfloc AP 1120	Anionic polymer	Water treatment (raw water)	001, 101, 102
Polyfloc 2685	Anionic polymer	Flyash	Traces in CCBs to landfill
Sanuril 115	Calcium hypochlorite	Wastewater treatment (STP)	001, 103

CHEMICAL NAME OR BRAND	DESCRIPTION OF CHEMICAL	TYPCIAL USE OF CHEMICAL	OUTFALLS POTENTIALLY AFFECTED
Polyfloc AE 1115/ AE 1120/ AE 1125	Polymer for settling solids	Scrubber (thickener) and wastewater (landfill pond)	001, 003, 009, 011, 012, 013, 014, 015, 016, 102
Soda ash	Technical grade	Wastewater treatment (STP and coal pile runoff pond)	001, 002, 009, 102
Sodium Bromide	Bromine-based biocide	Water treatment (cooling tower)	001, 101, 102
Sodium Hypochlorite	>12%	Water treatment (cooling tower, service water)	001, 101, 102
Sodium Metabisulfite	Technical grade	Water treatment (demineralizer)	001, 102
Sulfuric Acid	> 93%	Water treatment (cooling tower, RO, demineralizer)	001, 101, 102
Urea		Used for NOx control	001, 102, possibly in CCBs headed for landfill (009).

EPA Form 3510-2F
Addendum to Form 2F
Drainage Map
Stormwater Pollution Prevention Plan

Please print or type in the unshaded areas	EPA ID Number *(copy from item I of Form 1)* 110007008175	Form Approved. OMB No. 2040-0086 Approval expires 5-31-92

Form **2F** NPDES

United States Environmental Protection Agency
Washington, DC 20460

Application for Permit to Discharge Storm Water Discharges Associated with Industrial Activity

Paperwork Reduction Act Notice

Public reporting burden for this application is estimated to average 28.6 hours per application, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate, any other aspect of this collection of information or suggestions for improving this form, including suggestions which may increase or reduce this burden to: Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 401 M St., SW, Washington, DC 20460, or Director, Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

I. Outfall Location

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

A. Outfall Number *(list)*	B. Latitude			C. Longitude			D. Receiving Water *(name)*
003	36	52	11	78	43	41	Black Walnut Creek
004	36	51	07	78	41	27	Roanoke River
005	36	59	59	78	41	01	Roanoke River
006	36	52	33	78	42	01	Black Walnut Creek
007	36	52	38	78	42	41	Black Walnut Creek
008	36	51	10	78	42	41	Black Walnut Creek
011	36	52	49	78	43	20	Black Walnut Creek
012	36	52	42	78	43	15	Black Walnut Creek
013	36	52	53	78	42	46	Black Walnut Creek
014	36	52	47	78	43	12	Black Walnut Creek
015	36	52	44	78	43	17	Black Walnut Creek
016	36	52	41	78	43	21	Black Walnut Creek

II. Improvements

A. Are you now required by any Federal, State, or local authority to meet any implementation schedule for the construction, upgrading or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.

1. Identification of Conditions, Agreements, Etc.	2. Affected Outfalls		3. Brief Description of Project	4. Final Compliance Date	
	number	source of discharge		a. req.	b. proj.
Not Applicable					

B. You may attach additional sheets describing any additional water pollution (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now under way or planned, and idicate your actual or planned schedules for construction.

III. Site Drainage Map

Attach a site map showing topography (or indicating the outline of drainage areas served by the outfall(s) covered in the application if a topographic map Is unavailable) depicting the facility including: each of its intake and discharge structures; the drainage area of each storm water outfall; paved areas and buildings within the drainage area of each storm water outfall, each known past or present areas used for outdoor storage or disposal of significant materials, each existing structure control measure to reduce pollutants in storm water runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied; each of its hazardous waste treatment, storage or disposal units (including each are not required to have a RCRA permit which is used for accumulating hazardous waste under 40 CFR 262.34); each well where fluids from the facility are injected underground; springs, and other surface water bodies which receive storm water discharges from the facility.

 Continued on Page 2

Outfall 003

Continued from the Front

IV. Narrative Description of Pollutant Sources

A. For each outfall, provide an estimate of the area (include units) of impervious surfaces (including paved areas and building roofs) drained to the outfall, and an estimate of the total surface area drained by the outfall.

Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)	Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)
003	0 (acres)	26 (acres)	011	0 (acres)	22.4 (acres)
004	200 (acres)	578 (acres)	012	0 (acres)	5.9 (acres)
005	3.2 (acres)	215 (acres)	013	0 (acres)	19.4 (acres)
006	0 (acres)	26 (acres)	014	0 (acres)	0.42 (acres)
007	0 (acres)	64 (acres)	015	0 (acres)	0.45 (acres)
008	0 (acres)	32 (acres)	016	0 (acres)	1.31 (acres)

B. Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored or disposed in a manner to allow exposure to storm water; method of treatment, storage, or disposal; past and present materials management practices employed to minimize contact by these materials with storm water runoff; materials loading and access areas; and the location, manner, and frequency in which pesticides, herbicides, soil conditioners, and fertilizers are applied.

See attached Stormwater Pollution Prevention Plan (Section 4.0)

C. For each outfall, provide the location and a description of existing structural and nonstructural control measures to reduce pollutants in storm water runoff; and a description of the treatment the storm water receives, including the schedule and type of maintenance for control and treatment measures and the ultimate disposal of any solid or fluid wastes other than by discharge.

Outfall Number	Treatment	List Codes from Table 2F-1
	See attached Stormwater Pollution Prevention Plan (Section 5.0)	

V. Non Stormwater Discharges

A. I certify under penalty of law that the outfall(s) covered by this application have been tested or evaluated for the presence of nonstormwater discharges, and that all nonstormwater discharges from these outfall(s) are identified in either an accompanying Form 2C or Form 2E application for the outfall.

Name of Official Title *(type or print)*	Signature	Date Signed
C.D. Holley **VP Fossil and Hydro System Operations**	C D Holley	7/7/2010

B. provide a description of the method used, the date of any testing, and the onsite drainage points that were directly observed during a test.

Outfalls 003, 005, 006, 007, 008, 012, and 013 were visually inspected on 6/22/2010.
Outfall 004 was visually inspected on 9/16/2009.
Outfall 011 was visually inspected on 8/25/2008.

VI. Significant Leaks or Spills

Provide existing information regarding the history of significant leaks or spills of toxic or hazardous pollutants at the facility in the last three years, including the approximate date and location of the spill or leak, and the type and amount of material released.

See attached Stormwater Pollution Prevention Plan (Section 7.0)

 Continued on Page 3

Outfall 003

Continued from Page 2

EPA ID Number *(copy from Item 1 of Form 1)*
110007008175

VII. Discharge Information

A, B, C, & D: See instruction before proceeding. Complete one set of tables for each outfall. Annotate the outfall number in the space provided. Tables Vii-A, VII-B, and VII-C are included on separate sheets numbered VII-1 and VII-2.

E. Potential discharges not covered by analysis - is any toxic pollutant listed in table 2F-2, 2F-3, or 2F-4, a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

☐ Yes *(list all such pollutants below)* ☒ No *(go to Section IX)*

VIII. Biological Toxicity Testing Data

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

☒ Yes *(list all such pollutants below)* ☐ No *(go to Section IX)*

Outfall 003 was tested for acute toxicity as required by the permit (Special Condition I.E.1). The results of these tests have been provided to VA DEQ in accordance with the schedule specified in Special Condition I.E.2.

IX. Contact analysis Information

Were any of the analyses reported in item VII performed by a contact laboratory or consulting firm?

☒ Yes *(list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)* ☐ No *(go to Section X)*

A. Name	B. Address	C. Area Code & Phone No.	D. Pollutants Analyzed
Primary Laboratories, Inc.	**7423 Lee Davis Road Mechanicsville, VA 23111**	**(804) 559-9004**	**BOD, Pesticides, Herbicides, Cyanide**
Pace Analytical Services Inc.	**1638 Roseytown Road Greensburg, PA 15601**	**(724) 850-5600**	**Radioactivity, Strontium, Tritium**
Coastal Bioanalysts, Inc.	**6400 Enterprise Court Gloucester Point, VA 23061**	**(804) 694-8285**	**Whole Effluent Toxicity**

X. Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. Name & Official Title *(type or print)*	B. Area Code and Phone No.
C.D. Holley **VP Fossil and Hydro System Operations**	**(804) 273-3592**
C. Signature CD Holley	D. Date Signed 7/7/2010

OUTFALL 003

EPA ID Number *(copy from Item I of Form 1)*
110007008175

Form Approved. OMB No. 2040-0086
Approval expires 5-31-92

VII. Discharge Information *(Continued from page 3 of Form 2F)*

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant And CAS Number *(if available)*	Maximum Values *(mg/L)*		Average Values *(mg/L)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil & Grease	< 5	N/A	N/A	N/A	1	N/A
Biological Oxygen Demand (BOD5)	<2	N/A	N/A	N/A	1	N/A
Chemical Oxygen Demand (COD)	< 5	N/A	N/A	N/A	1	N/A
Total Suspended Solids (TSS)	7.4	N/A	4.85	N/A	2	See Addendum to Form 2F
Total Nitrogen	0.37	N/A	N/A	N/A	1	See Addendum to Form 2F
Total Phosphorus	<0.05	N/A	N/A	N/A	1	N/A
pH	Minimum 6.2	Maximum 8.1	Minimum N/A	Maximum N/A	3	N/A

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant And CAS Number *(if available)*	**Maximum Values** *(include units)*		**Average Values** *(include units)*		**Number Of Storm Events Sampled**	**Sources of Pollutants**
	Grab Sample Taken During First 30 Minutes	**Flow-weighted Composite**	**Grab Sample Taken During First 30 Minutes**	**Flow-weighted Composite**		
pH	See Part A	N/A	N/A	N/A	1	N/A
Total Phosphorous	See Part A	N/A	N/A	N/A	1	See Addendum to Form 2F
Total Nitrogen	See Part A	N/A	N/A	N/A	1	See Addendum to Form 2F
Total Zinc	See Part C	N/A	N/A	N/A	1	See Addendum to Form 2F
Total Chromium	See Part C	N/A	N/A	N/A	1	See Addendum to Form 2F
Total Residual Chlorine	See Part C	N/A	N/A	N/A	1	N/A
Total Suspended Solids	See Part A	N/A	N/A	N/A	1	See Addendum to Form 2F
Oil & Grease	See Part A	N/A	N/A	N/A	1	See Addendum to Form 2F
126 Priority Pollutants in cooling tower additives.	None of the 126 priority pollutants are present in cooling tower additives		N/A	N/A	N/A	N/A

Outfall 003

Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant And CAS Number *(if available)*	Maximum Values *(mg/L unless otherwise noted)*		Average Values *(mg/L unless otherwise noted)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Ammonia, Total	0.02	N/A	N/A	N/A	1	See Addendum to Form 2F
Bromide, Total	0.77	N/A	N/A	N/A	1	See Addendum to Form 2F
Chlorine, Total Residual	<0.1	N/A	N/A	N/A		N/A
Color	55	N/A	N/A	N/A	1	See Addendum to Form 2F
Fecal Coliform	Believed Absent					
Fluoride	0.042	N/A	N/A	N/A		See Addendum to Form 2F
Nitrate + Nitrite	0.01	N/A	N/A	N/A	1	See Addendum to Form 2F
Nitrogen, Total Org. As N	0.34	N/A	N/A	N/A	1	See Addendum to Form 2F
Phosphorus (As P), Total	<0.05	N/A	N/A	N/A	1	N/A
Alpha, Total pCi/l	<1.62	N/A	N/A	N/A	1	N/A
Beta, Total pCi/l	<1.65	N/A	N/A	N/A	1	N/A
Radium, Total	Believed Absent					
Radium 226 , Total	Believed Absent					
Sulfate (As SO4)	18.36	N/A	N/A	N/A	1	See Addendum to Form 2F
Sulfide (As S)	0.01	N/A	N/A	N/A	1	See Addendum to Form 2F
Sulfite (As SO3)	Believed Absent					
Surfactants	<0.025	N/A	N/A	N/A	1	
Aluminum, Total	1.07	N/A	N/A	N/A	1	See Addendum to Form 2F
Barium, Total	0.02	N/A	0.016	N/A	3	See Addendum to Form 2F
Boron, Total	0.03	N/A	N/A	N/A	1	See Addendum to Form 2F
Cobalt, Total	<0.003	N/A	N/A	N/A	1	N/A
Iron, Total	3.08	N/A	2.48	N/A	3	See Addendum to Form 2F
Magnesium, Total	1.92	N/A	N/A	N/A	1	See Addendum to Form 2F
Molybdenum, Total	0.003	N/A	N/A	N/A	1	See Addendum to Form 2F
Manganese, Total	0.07	N/A	0.07	N/A	3	See Addendum to Form 2F
Tin, Total	<0.005	N/A	N/A	N/A	1	N/A
Titanium, Total	<0.002	N/A	N/A	N/A	1	N/A
Antimony, Total	<0.001	N/A	<0.001	N/A	3	N/A
Arsenic, Total	<0.003	N/A	<0.003	N/A	3	N/A
Beryllium, Total	<0.0002	N/A	N/A	N/A	1	N/A
Cadmium, Total	<0.0003	N/A	<0.0003	N/A	3	N/A
Chromium, Total	<0.001	N/A	<0.001	N/A	3	N/A
Copper, Total	0.003	N/A	0.002	N/A	3	See Addendum to Form 2F
Lead, Total	<0.002	N/A	<0.002	N/A	3	N/A
Mercury, Total	<0.0002	N/A	<0.0002	N/A	3	N/A
Nickel, Total	<0.005	N/A	<0.005	N/A	3	N/A
Selenium, Total	<0.003	N/A	<0.003	N/A	3	N/A
Silver, Total	<0.0001	N/A	<0.0001	N/A	3	N/A
Thallium, Total	<0.0002	N/A	<0.0002	N/A	3	N/A
Zinc, Total	<0.01	N/A	<0.01	N/A	3	N/A
Cyanide, Total	<0.01	N/A	N/A	N/A	1	N/A
Total Phenols	0.08	N/A	N/A	N/A	1	See Addendum to Form 2F
Dioxin Screen	Believed Absent					
Acrolein	<0.01	N/A	N/A	N/A	1	N/A
Acrylonitrile	<0.0015	N/A	N/A	N/A	1	N/A
Benzene	<0.0044	N/A	N/A	N/A	1	N/A
Bromoform	<0.0047	N/A	N/A	N/A	1	N/A
Carbon Tetrachloride	<0.0028	N/A	N/A	N/A	1	N/A
Chlorobenzene	<0.006	N/A	N/A	N/A	1	N/A
Chlorodibromomethane	<0.0031	N/A	N/A	N/A	1	N/A
Chloroethane	<0.0011	N/A	N/A	N/A	1	N/A
2-Chloroethylvinyl Ether	<0.0012	N/A	N/A	N/A	1	N/A
Chloroform	<0.0016	N/A	N/A	N/A	1	N/A
Dichlorobromomethane	<0.0022	N/A	N/A	N/A	1	N/A
1,1-Dichloroethane	<0.0047	N/A	N/A	N/A	1	N/A
1,2-Dichloroethane	<0.0028	N/A	N/A	N/A	1	N/A
1,1-Dichloroethylene	<0.0028	N/A	N/A	N/A	1	N/A
1,2-Dichloropropane	<0.006	N/A	N/A	N/A	1	N/A
1,3-Dichloropropylene	<0.005	N/A	N/A	N/A	1	N/A
Ethyl Benzene	<0.0072	N/A	N/A	N/A	1	N/A
Methyl Bromide	<0.0014	N/A	N/A	N/A	1	N/A
Methyl Chloride	<0.0011	N/A	N/A	N/A	1	N/A
Methylene Chloride	<0.0028	N/A	N/A	N/A	1	N/A

 Continue on Reverse

Outfall 003

1,1,2,2-Tetrachloroethane	<0.0069	N/A	N/A	N/A	1	N/A
Tetrachloroethylene	<0.0041	N/A	N/A	N/A	1	N/A
Toluene	<0.006	N/A	N/A	N/A	1	N/A
1,2-Trans-Dichloroethylene	<0.0016	N/A	N/A	N/A	1	N/A
1,1,1-Trichloroethane	<0.0038	N/A	N/A	N/A	1	N/A
1,1,2-Trichloroethane	<0.005	N/A	N/A	N/A	1	N/A
Trichloroethylene	<0.0019	N/A	N/A	N/A	1	N/A
Vinyl Chloride	<0.0018	N/A	N/A	N/A	1	N/A
2-Chlorophenol	<0.0033	N/A	N/A	N/A	1	N/A
2,4-Dichlorophenol	<0.0056	N/A	N/A	N/A	1	N/A
2,4-Dimethylphenol	<0.0052	N/A	N/A	N/A	1	N/A
4,6-Dinitro-O-Cresol	<0.024	N/A	N/A	N/A	1	N/A
2,4-Dinitrophenol	<0.042	N/A	N/A	N/A	1	N/A
2-Nitrophenol	<0.0036	N/A	N/A	N/A	1	N/A
4-Nitrophenol	<0.0024	N/A	N/A	N/A	1	N/A
P-Chloro-M-Cresol	<0.0075	N/A	N/A	N/A	1	N/A
Pentachlorophenol	<0.0036	N/A	N/A	N/A	1	N/A
Phenol	<0.0027	N/A	N/A	N/A	1	N/A
2,4,6-Trichlorophenol	<0.0027	N/A	N/A	N/A	1	N/A
Acenaphthene	<0.003	N/A	N/A	N/A	1	N/A
Acenaphthylene	<0.0035	N/A	N/A	N/A	1	N/A
Anthracene	<0.0019	N/A	N/A	N/A	1	N/A
Benzidine	<0.063	N/A	N/A	N/A	1	N/A
Benzo (A) Anthracene	<0.0078	N/A	N/A	N/A	1	N/A
Benzo (A) Pyrene	<0.0025	N/A	N/A	N/A	1	N/A
3,4-Benzofluoranthene	<0.0048	N/A	N/A	N/A	1	N/A
Benzo (G H I) Perylene	<0.0041	N/A	N/A	N/A	1	N/A
Benzo (K) Fluoranthene	<0.0025	N/A	N/A	N/A	1	N/A
Bis(2-Chloroethoxy) Methane	<0.0053	N/A	N/A	N/A	1	N/A
Bis(-2-Chloroethyl) Ether	<0.0057	N/A	N/A	N/A	1	N/A
Bis(2-Chloroisopropyl) Ether	<0.0057	N/A	N/A	N/A	1	N/A
Bis(2-Ethylhexyl) Phthalate	<0.0025	N/A	N/A	N/A	1	N/A
4-Bromophenyl-Phenyl Ether	<0.003	N/A	N/A	N/A	1	N/A
Butyl Benzyl Phthalate	<0.0025	N/A	N/A	N/A	1	N/A
2-Chloronaphthalene	<0.0046	N/A	N/A	N/A	1	N/A
4-Chlorophenyl-Phenyl Ether	<0.0042	N/A	N/A	N/A	1	N/A
Chrysene	<0.0025	N/A	N/A	N/A	1	N/A
Dibenzo (A H) Anthracene	<0.0025	N/A	N/A	N/A	1	N/A
1,2-Dichlorobenzene	<0.004	N/A	N/A	N/A	1	N/A
1,3-Dichlorobenzene	<0.0031	N/A	N/A	N/A	1	N/A
1,4-Dichlorobenzene	<0.0044	N/A	N/A	N/A	1	N/A
3,3"-Dichlorobenzidine	<0.0165	N/A	N/A	N/A	1	N/A
Diethyl Phthalate	<0.0074	N/A	N/A	N/A	1	N/A
Dimethyl Phthalate	<0.0075	N/A	N/A	N/A	1	N/A
Di-N-Butyl Phthalate	<0.0064	N/A	N/A	N/A	1	N/A
2,4-Dinitrotoluene	<0.0057	N/A	N/A	N/A	1	N/A
2,6-Dinitrotoluene	<0.0034	N/A	N/A	N/A	1	N/A
Di-N-Octyl Phthalate	<0.0025	N/A	N/A	N/A	1	N/A
1,2-Diphenylhydrazine	<0.0088	N/A	N/A	N/A	1	N/A
Fluoranthene	<0.0022	N/A	N/A	N/A	1	N/A
Fluorene	<0.0022	N/A	N/A	N/A	1	N/A
Hexachlorobenzene	<0.0031	N/A	N/A	N/A	1	N/A
Hexachlorobutadiene	<0.0018	N/A	N/A	N/A	1	N/A
Hexachlorocyclopentadiene	<0.01	N/A	N/A	N/A	1	N/A
Hexachloroethane	<0.0024	N/A	N/A	N/A	1	N/A
Indeno (1,2,3-Cd) Pyrene	<0.0037	N/A	N/A	N/A	1	N/A
Isophorone	<0.0051	N/A	N/A	N/A	1	N/A
Naphthalene	<0.0038	N/A	N/A	N/A	1	N/A
Nitrobenzene	<0.0042	N/A	N/A	N/A	1	N/A
N-Nitrosodimethylamine	<0.0062	N/A	N/A	N/A	1	N/A
N-Nitroso-Di-N-Propylamine	<0.0036	N/A	N/A	N/A	1	N/A
N-Nitrosodiphenylamine	<0.0027	N/A	N/A	N/A	1	N/A
Phenanthrene	<0.0054	N/A	N/A	N/A	1	N/A

 Continue on Reverse

Outfall 003

Pyrene	<0.0038	N/A	N/A	N/A	1	N/A
1,2,4-Trichlorobenzene	<0.0079	N/A	N/A	N/A	1	N/A
Aldrin	<0.00005	N/A	N/A	N/A	1	N/A
Alpha BHC	<0.00005	N/A	N/A	N/A	1	N/A
Beta BHC	<0.00005	N/A	N/A	N/A	1	N/A
Gamma BHC	<0.00005	N/A	N/A	N/A	1	N/A
Delta BHC	<0.00005	N/A	N/A	N/A	1	N/A
Chlordane	<0.0002	N/A	N/A	N/A	1	N/A
4,4pr DDT	<0.0001	N/A	N/A	N/A	1	N/A
4,4pr DDE	<0.0001	N/A	N/A	N/A	1	N/A
4,4pr DDD	<0.0001	N/A	N/A	N/A	1	N/A
Dieldrin	<0.0001	N/A	N/A	N/A	1	N/A
Alpha-Endosulfan	<0.0001	N/A	N/A	N/A	1	N/A
Beta-Endosulfan	<0.0001	N/A	N/A	N/A	1	N/A
Endosulfan Sulfate	<0.0001	N/A	N/A	N/A	1	N/A
Endrin	<0.0001	N/A	N/A	N/A	1	N/A
Endrin Aldehyde	<0.0001	N/A	N/A	N/A	1	N/A
Heptachlor	<0.00005	N/A	N/A	N/A	1	N/A
Heptachlor-Epoxide	<0.0001	N/A	N/A	N/A	1	N/A
PCB 1242	<0.001	N/A	N/A	N/A	1	N/A
PCB 1254	<0.001	N/A	N/A	N/A	1	N/A
PCB 1221	<0.001	N/A	N/A	N/A	1	N/A
PCB 1232	<0.001	N/A	N/A	N/A	1	N/A
PCB 1248	<0.001	N/A	N/A	N/A	1	N/A
PCB 1260	<0.001	N/A	N/A	N/A	1	N/A
PCB 1016	<0.001	N/A	N/A	N/A	1	N/A
Toxaphene	<0.005	N/A	N/A	N/A	1	N/A
Kepone	<0.0001	N/A	N/A	N/A	1	N/A
Methoxychlor	<0.0001	N/A	N/A	N/A	1	N/A
Mirex	<0.0001	N/A	N/A	N/A	1	N/A
Tributyltin	<0.00003	N/A	N/A	N/A	1	N/A
Demeton	<0.001	N/A	N/A	N/A	1	N/A
Malathion	<0.001	N/A	N/A	N/A	1	N/A
Parathion	<0.001	N/A	N/A	N/A	1	N/A
Clorpyrifos	<0.0002	N/A	N/A	N/A	1	N/A
Guthion	<0.001	N/A	N/A	N/A	1	N/A
Hydrogen Sulfide	<0.05	N/A	N/A	N/A	1	N/A
Strontium 90	<1.15	N/A	N/A	N/A	1	N/A
Silvex	<0.0001	N/A	N/A	N/A	1	N/A
2,4-D	<0.0001	N/A	N/A	N/A	1	N/A
Hardness as CaCO3, Total	44.46	N/A	33.06	N/A	3	N/A
Chloride, Total	11.32	N/A	N/A	N/A	1	See Addendum to Form 2F
Chromium 6 as Cr	<0.01	N/A	<0.01	N/A	3	N/A
Antimony, Dissolved	<0.001	N/A	<0.001	N/A	3	N/A
Arsenic, Dissolved	<0.003	N/A	<0.003	N/A	3	N/A
Cadmium, Dissolved	<0.0003	N/A	<0.0003	N/A	3	N/A
Chromium, Dissolved	<0.001	N/A	<0.001	N/A	3	N/A
Copper, Dissolved	<0.002	N/A	<0.0017	N/A	3	N/A
Lead, Dissolved	<0.001	N/A	<0.001	N/A	3	N/A
Mercury, Dissolved	<0.0002	N/A	<0.0002	N/A	3	N/A
Nickel, Dissolved	<0.005	N/A	<0.005	N/A	3	N/A
Selenium, Dissolved	<0.003	N/A	<0.003	N/A	3	N/A
Silver, Dissolved	<0.0001	N/A	<0.0001	N/A	3	N/A
Thallium, Dissolved	<0.0002	N/A	<0.0002	N/A	3	N/A
Zinc, Dissolved	<0.01	N/A	<0.01	N/A	3	N/A

 Continue on Reverse

OUTFALL 004

EPA ID Number *(copy from Item I of Form 1)*
110007008175

Form Approved. OMB No. 2040-0086
Approval expires 5-31-92

VII. Discharge Information *(Continued from page 3 of Form 2F)*

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant And CAS Number *(if available)*	Maximum Values *(mg/L)*		Average Values *(mg/L)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil & Grease	< 5	N/A	N/A	N/A	1	N/A
Biological Oxygen Demand (BOD5)	<4	N/A	N/A	N/A	1	N/A
Chemical Oxygen Demand (COD)	11.06	N/A	N/A	N/A	1	See Addendum to Form 2F
Total Suspended Solids (TSS)	77.4	N/A	56.4	N/A	2	See Addendum to Form 2F
Total Nitrogen	0.45	N/A	N/A	N/A	1	See Addendum to Form 2F
Total Phosphorus	<0.05	N/A	N/A	N/A	1	N/A
pH	Minimum 7.47	Maximum 7.62	Minimum N/A	Maximum N/A	2	N/A

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
pH	See Part A	N/A	N/A	N/A	1	N/A
Total Phosphorous	See Part A	N/A	N/A	N/A	1	See Addendum to Form 2F
Total Nitrogen	See Part A	N/A	N/A	N/A	1	See Addendum to Form 2F
Total Zinc	See Part C	N/A	N/A	N/A	1	See Addendum to Form 2F
Total Chromium	See Part C	N/A	N/A	N/A	1	See Addendum to Form 2F
Total Residual Chlorine	See Part C	N/A	N/A	N/A	1	N/A
Total Suspended Solids	See Part A	N/A	N/A	N/A	1	See Addendum to Form 2F
Oil & Grease	See Part A	N/A	N/A	N/A	1	See Addendum to Form 2F
126 Priority Pollutants in cooling tower additives.	None of the 126 priority pollutants are present in cooling tower additives		N/A	N/A	N/A	N/A

Continue on Reverse

Outfall 004

Continued from the Front

Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant And CAS Number *(if available)*	Maximum Values *(mg/L unless otherwise noted)*		Average Values *(mg/L unless otherwise noted)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Ammonia, Total	0.2	N/A	N/A	N/A	1	See Addendum to Form 2F
Bromide, Total	<0.4	N/A	N/A	N/A	1	N/A
Chlorine, Total Residual	Believed Absent					
Color	45	N/A	N/A	N/A	1	See Addendum to Form 2F
Fecal Coliform	Believed Absent					
Fluoride	0.065	N/A	N/A	N/A		See Addendum to Form 2F
Nitrate + Nitrite	0.09	N/A	N/A	N/A	1	See Addendum to Form 2F
Nitrogen, Total Org. As N	0.16	N/A	N/A	N/A	1	See Addendum to Form 2F
Phosphorus (As P), Total	<0.05	N/A	N/A	N/A	1	N/A
Alpha, Total pCi/l	<1.93	N/A	N/A	N/A	1	N/A
Beta, Total pCi/l	<2.49	N/A	N/A	N/A	1	N/A
Radium, Total	Believed Absent					
Radium 226 , Total	Believed Absent					
Sulfate (As SO4)	7.3	N/A	N/A	N/A	1	See Addendum to Form 2F
Sulfide (As S)	<0.05	N/A	N/A	N/A	1	N/A
Sulfite (As SO3)	Believed Absent					
Surfactants	<0.01	N/A	N/A	N/A	1	N/A
Aluminum, Total	1.46	N/A	N/A	N/A	1	See Addendum to Form 2F
Barium, Total	0.08	N/A	N/A	N/A	1	See Addendum to Form 2F
Boron, Total	0.03	N/A	N/A	N/A	1	See Addendum to Form 2F
Cobalt, Total	0.0007	N/A	N/A	N/A	1	See Addendum to Form 2F
Iron, Total	2.49	N/A	N/A	N/A	1	See Addendum to Form 2F
Magnesium, Total	3.33	N/A	N/A	N/A	1	See Addendum to Form 2F
Molybdenum, Total	<0.001	N/A	N/A	N/A	1	N/A
Manganese, Total	0.16	N/A	N/A	N/A	1	See Addendum to Form 2F
Tin, Total	<0.005	N/A	N/A	N/A	1	N/A
Titanium, Total	0.004	N/A	N/A	N/A	1	See Addendum to Form 2F
Antimony, Total	<0.001	N/A	N/A	N/A	1	N/A
Arsenic, Total	<0.003	N/A	N/A	N/A	1	N/A
Beryllium, Total	<0.0002	N/A	N/A	N/A	1	N/A
Cadmium, Total	<0.0003	N/A	N/A	N/A	1	N/A
Chromium, Total	0.001	N/A	N/A	N/A	1	See Addendum to Form 2F
Copper, Total	0.002	N/A	N/A	N/A	1	See Addendum to Form 2F
Lead, Total	0.001	N/A	N/A	N/A	1	See Addendum to Form 2F
Mercury, Total	<0.0002	N/A	N/A	N/A	1	N/A
Nickel, Total	<0.005	N/A	N/A	N/A	1	N/A
Selenium, Total	<0.003	N/A	N/A	N/A	1	N/A
Silver, Total	<0.0001	N/A	N/A	N/A	1	N/A
Thallium, Total	0.0002	N/A	N/A	N/A	1	See Addendum to Form 2F
Zinc, Total	0.017	N/A	N/A	N/A	1	See Addendum to Form 2F
Cyanide, Total	<0.01	N/A	N/A	N/A	1	N/A
Total Phenols	0.06	N/A	N/A	N/A	1	See Addendum to Form 2F
Dioxin Screen	Believed Absent					
Acrolein	<0.01	N/A	N/A	N/A	1	N/A
Acrylonitrile	<0.0015	N/A	N/A	N/A	1	N/A
Benzene	<0.0044	N/A	N/A	N/A	1	N/A
Bromoform	<0.0047	N/A	N/A	N/A	1	N/A
Carbon Tetrachloride	<0.0028	N/A	N/A	N/A	1	N/A
Chlorobenzene	<0.006	N/A	N/A	N/A	1	N/A
Chlorodibromomethane	<0.0031	N/A	N/A	N/A	1	N/A
Chloroethane	<0.0011	N/A	N/A	N/A	1	N/A
2-Chloroethylvinyl Ether	<0.0012	N/A	N/A	N/A	1	N/A
Chloroform	<0.0016	N/A	N/A	N/A	1	N/A
Dichlorobromomethane	<0.0022	N/A	N/A	N/A	1	N/A
1,1-Dichloroethane	<0.0047	N/A	N/A	N/A	1	N/A
1,2-Dichloroethane	<0.0028	N/A	N/A	N/A	1	N/A
1,1-Dichloroethylene	<0.0028	N/A	N/A	N/A	1	N/A
1,2-Dichloropropane	<0.006	N/A	N/A	N/A	1	N/A
1,3-Dichloropropylene	<0.005	N/A	N/A	N/A	1	N/A
Ethyl Benzene	<0.0072	N/A	N/A	N/A	1	N/A
Methyl Bromide	<0.0014	N/A	N/A	N/A	1	N/A
Methyl Chloride	<0.0011	N/A	N/A	N/A	1	N/A

Continue on Reverse

Outfall 004

Methylene Chloride	<0.0028	N/A	N/A	N/A	1	N/A
1,1,2,2-Tetrachloroethane	<0.0069	N/A	N/A	N/A	1	N/A
Tetrachloroethylene	<0.0041	N/A	N/A	N/A	1	N/A
Toluene	<0.006	N/A	N/A	N/A	1	N/A
1,2-Trans-Dichloroethylene	<0.0016	N/A	N/A	N/A	1	N/A
1,1,1-Trichloroethane	<0.0038	N/A	N/A	N/A	1	N/A
1,1,2-Trichloroethane	<0.005	N/A	N/A	N/A	1	N/A
Trichloroethylene	<0.0019	N/A	N/A	N/A	1	N/A
Vinyl Chloride	<0.0018	N/A	N/A	N/A	1	N/A
2-Chlorophenol	<0.0033	N/A	N/A	N/A	1	N/A
2,4-Dichlorophenol	<0.0056	N/A	N/A	N/A	1	N/A
2,4-Dimethylphenol	<0.0052	N/A	N/A	N/A	1	N/A
4,6-Dinitro-O-Cresol	<0.024	N/A	N/A	N/A	1	N/A
2,4-Dinitrophenol	<0.042	N/A	N/A	N/A	1	N/A
2-Nitrophenol	<0.0036	N/A	N/A	N/A	1	N/A
4-Nitrophenol	<0.0024	N/A	N/A	N/A	1	N/A
P-Chloro-M-Cresol	<0.0075	N/A	N/A	N/A	1	N/A
Pentachlorophenol	<0.0036	N/A	N/A	N/A	1	N/A
Phenol	<0.0027	N/A	N/A	N/A	1	N/A
2,4,6-Trichlorophenol	<0.0027	N/A	N/A	N/A	1	N/A
Acenaphthene	<0.003	N/A	N/A	N/A	1	N/A
Acenaphthylene	<0.0035	N/A	N/A	N/A	1	N/A
Anthracene	<0.0019	N/A	N/A	N/A	1	N/A
Benzidine	<0.063	N/A	N/A	N/A	1	N/A
Benzo (A) Anthracene	<0.0078	N/A	N/A	N/A	1	N/A
Benzo (A) Pyrene	<0.0025	N/A	N/A	N/A	1	N/A
3,4-Benzofluoranthene	<0.0048	N/A	N/A	N/A	1	N/A
Benzo (G H I) Perylene	<0.0041	N/A	N/A	N/A	1	N/A
Benzo (K) Fluoranthene	<0.0025	N/A	N/A	N/A	1	N/A
Bis(2-Chloroethoxy) Methane	<0.0053	N/A	N/A	N/A	1	N/A
Bis(-2-Chloroethyl) Ether	<0.0057	N/A	N/A	N/A	1	N/A
Bis(2-Chloroisopropyl) Ether	<0.0057	N/A	N/A	N/A	1	N/A
Bis(2-Ethylhexyl) Phthalate	<0.0025	N/A	N/A	N/A	1	N/A
4-Bromophenyl-Phenyl Ether	<0.003	N/A	N/A	N/A	1	N/A
Butyl Benzyl Phthalate	<0.0025	N/A	N/A	N/A	1	N/A
2-Chloronaphthalene	<0.0046	N/A	N/A	N/A	1	N/A
4-Chlorophenyl-Phenyl Ether	<0.0042	N/A	N/A	N/A	1	N/A
Chrysene	<0.0025	N/A	N/A	N/A	1	N/A
Dibenzo (A H) Anthracene	<0.0025	N/A	N/A	N/A	1	N/A
1,2-Dichlorobenzene	<0.004	N/A	N/A	N/A	1	N/A
1,3-Dichlorobenzene	<0.0031	N/A	N/A	N/A	1	N/A
1,4-Dichlorobenzene	<0.0044	N/A	N/A	N/A	1	N/A
3,3"-Dichlorobenzidine	<0.0165	N/A	N/A	N/A	1	N/A
Diethyl Phthalate	<0.0074	N/A	N/A	N/A	1	N/A
Dimethyl Phthalate	<0.0075	N/A	N/A	N/A	1	N/A
Di-N-Butyl Phthalate	<0.0064	N/A	N/A	N/A	1	N/A
2,4-Dinitrotoluene	<0.0057	N/A	N/A	N/A	1	N/A
2,6-Dinitrotoluene	<0.0034	N/A	N/A	N/A	1	N/A
Di-N-Octyl Phthalate	<0.0025	N/A	N/A	N/A	1	N/A
1,2-Diphenylhydrazine	<0.0088	N/A	N/A	N/A	1	N/A
Fluoranthene	<0.0022	N/A	N/A	N/A	1	N/A
Fluorene	<0.0022	N/A	N/A	N/A	1	N/A
Hexachlorobenzene	<0.0031	N/A	N/A	N/A	1	N/A
Hexachlorobutadiene	<0.0018	N/A	N/A	N/A	1	N/A
Hexachlorocyclopentadiene	<0.01	N/A	N/A	N/A	1	N/A
Hexachloroethane	<0.0024	N/A	N/A	N/A	1	N/A
Indeno (1,2,3-Cd) Pyrene	<0.0037	N/A	N/A	N/A	1	N/A
Isophorone	<0.0051	N/A	N/A	N/A	1	N/A
Naphthalene	<0.0038	N/A	N/A	N/A	1	N/A
Nitrobenzene	<0.0042	N/A	N/A	N/A	1	N/A
N-Nitrosodimethylamine	<0.0062	N/A	N/A	N/A	1	N/A
N-Nitroso-Di-N-Propylamine	<0.0036	N/A	N/A	N/A	1	N/A
N-Nitrosodiphenylamine	<0.0027	N/A	N/A	N/A	1	N/A
Phenanthrene	<0.0054	N/A	N/A	N/A	1	N/A
Pyrene	<0.0038	N/A	N/A	N/A	1	N/A
1,2,4-Trichlorobenzene	<0.0079	N/A	N/A	N/A	1	N/A

 Continue on Reverse

Outfall 004

Aldrin	<0.00005	N/A	N/A	N/A	1	N/A
Alpha BHC	<0.00005	N/A	N/A	N/A	1	N/A
Beta BHC	<0.00005	N/A	N/A	N/A	1	N/A
Gamma BHC	<0.00005	N/A	N/A	N/A	1	N/A
Delta BHC	<0.00005	N/A	N/A	N/A	1	N/A
Chlordane	<0.0002	N/A	N/A	N/A	1	N/A
4,4pr DDT	<0.0001	N/A	N/A	N/A	1	N/A
4,4pr DDE	<0.0001	N/A	N/A	N/A	1	N/A
4,4pr DDD	<0.0001	N/A	N/A	N/A	1	N/A
Dieldrin	<0.0001	N/A	N/A	N/A	1	N/A
Alpha-Endosulfan	<0.0001	N/A	N/A	N/A	1	N/A
Beta-Endosulfan	<0.0001	N/A	N/A	N/A	1	N/A
Endosulfan Sulfate	<0.0001	N/A	N/A	N/A	1	N/A
Endrin	<0.0001	N/A	N/A	N/A	1	N/A
Endrin Aldehyde	<0.0001	N/A	N/A	N/A	1	N/A
Heptachlor	<0.00005	N/A	N/A	N/A	1	N/A
Heptachlor-Epoxide	<0.0001	N/A	N/A	N/A	1	N/A
PCB 1242	<0.001	N/A	N/A	N/A	1	N/A
PCB 1254	<0.001	N/A	N/A	N/A	1	N/A
PCB 1221	<0.001	N/A	N/A	N/A	1	N/A
PCB 1232	<0.001	N/A	N/A	N/A	1	N/A
PCB 1248	<0.001	N/A	N/A	N/A	1	N/A
PCB 1260	<0.001	N/A	N/A	N/A	1	N/A
PCB 1016	<0.001	N/A	N/A	N/A	1	N/A
Toxaphene	<0.005	N/A	N/A	N/A	1	N/A
Kepone	<0.0001	N/A	N/A	N/A	1	N/A
Methoxychlor	<0.0001	N/A	N/A	N/A	1	N/A
Mirex	<0.0001	N/A	N/A	N/A	1	N/A
Tributyltin	<0.00003	N/A	N/A	N/A	1	N/A
Demeton	<0.001	N/A	N/A	N/A	1	N/A
Malathion	<0.001	N/A	N/A	N/A	1	N/A
Parathion	<0.001	N/A	N/A	N/A	1	N/A
Clorpyrifos	<0.0002	N/A	N/A	N/A	1	N/A
Guthion	<0.001	N/A	N/A	N/A	1	N/A
Hydrogen Sulfide	<0.05	N/A	N/A	N/A	1	N/A
Silvex	<0.0001	N/A	N/A	N/A	1	N/A
2,4-D	<0.0001	N/A	N/A	N/A	1	N/A
Hardness as CaCO3, Total	25.65	N/A	N/A	N/A	1	N/A
Chloride, Total	3.67	N/A	N/A	N/A	1	See Addendum to Form 2F
Antimony, Dissolved	<0.001	N/A	N/A	N/A	1	N/A
Arsenic, Dissolved	<0.003	N/A	N/A	N/A	1	N/A
Cadmium, Dissolved	<0.0003	N/A	N/A	N/A	1	N/A
Chromium, Dissolved	<0.001	N/A	N/A	N/A	1	N/A
Copper, Dissolved	0.001	N/A	N/A	N/A	1	See Addendum to Form 2F
Lead, Dissolved	<0.001	N/A	N/A	N/A	1	N/A
Mercury, Dissolved	<0.0002	N/A	N/A	N/A	1	N/A
Nickel, Dissolved	<0.005	N/A	N/A	N/A	1	N/A
Selenium, Dissolved	<0.003	N/A	N/A	N/A	1	N/A
Silver, Dissolved	<0.0001	N/A	N/A	N/A	1	N/A
Thallium, Dissolved	<0.0002	N/A	N/A	N/A	1	N/A
Zinc, Dissolved	0.01	N/A	N/A	N/A	1	See Addendum to Form 2F

EPA ID Number *(copy from Item I of Form 1)*
110007008175

Form Approved. OMB No. 2040-0086
Approval expires 5-31-92

OUTFALL 005

VII. Discharge Information *(Continued from page 3 of Form 2F)*

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant And CAS Number *(if available)*	Maximum Values *(mg/L)*		Average Values *(mg/L)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil & Grease	< 5	N/A	N/A	N/A	1	N/A
Biological Oxygen Demand (BOD5)	<3	N/A	N/A	N/A	1	N/A
Chemical Oxygen Demand (COD)	28.13	N/A	N/A	N/A	1	See Addendum to Form 2F
Total Suspended Solids (TSS)	7.5	N/A	4.75	N/A	2	See Addendum to Form 2F
Total Nitrogen	1.08	N/A	N/A	N/A	1	See Addendum to Form 2F
Total Phosphorus	0.06	N/A	N/A	N/A	1	See Addendum to Form 2F
pH	Minimum 6.2	Maximum 7.9	Minimum N/A	Maximum N/A	3	N/A

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant And CAS Number *(if available)*	**Maximum Values *(include units)***		**Average Values *(include units)***		**Number Of Storm Events Sampled**	**Sources of Pollutants**
	Grab Sample Taken During First 30 Minutes	**Flow-weighted Composite**	**Grab Sample Taken During First 30 Minutes**	**Flow-weighted Composite**		
pH	See Part A	N/A	N/A	N/A	1	N/A
Total Phosphorous	See Part A	N/A	N/A	N/A	1	See Addendum to Form 2F
Total Nitrogen	See Part A	N/A	N/A	N/A	1	See Addendum to Form 2F
Total Zinc	See Part C	N/A	N/A	N/A	1	See Addendum to Form 2F
Total Chromium	See Part C	N/A	N/A	N/A	1	See Addendum to Form 2F
Total Residual Chlorine	See Part C	N/A	N/A	N/A	1	N/A
Total Suspended Solids	See Part A	N/A	N/A	N/A	1	See Addendum to Form 2F
Oil & Grease	See Part A	N/A	N/A	N/A	1	See Addendum to Form 2F
126 Priority Pollutants in cooling tower additives.	None of the 126 priority pollutants are present in cooling tower additives		N/A	N/A	N/A	N/A

 Continue on Reverse

Outfall 005

Continued from the Front

Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant And CAS Number *(if available)*	Maximum Values *(mg/L unless otherwise noted)*		Average Values *(mg/L unless otherwise noted)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Ammonia, Total	0.07	N/A	N/A	N/A	1	See Addendum to Form 2F
Bromide, Total	0.75	N/A	N/A	N/A	1	See Addendum to Form 2F
Chlorine, Total Residual	Believed Absent					
Color	100	N/A	N/A	N/A	1	See Addendum to Form 2F
Fecal Coliform	Believed Absent					
Fluoride	0.257	N/A	N/A	N/A		See Addendum to Form 2F
Nitrate + Nitrite	0.4	N/A	N/A	N/A	1	See Addendum to Form 2F
Nitrogen, Total Org. As N	0.61	N/A	N/A	N/A	1	See Addendum to Form 2F
Phosphorus (As P), Total	<0.05	N/A	N/A	N/A	1	N/A
Alpha, Total pCi/l	<1.53	N/A	N/A	N/A	1	N/A
Beta, Total pCi/l	1.81	N/A	N/A	N/A	1	See Addendum to Form 2F
Radium, Total	Believed Absent					
Radium 226 , Total	Believed Absent					
Sulfate (As SO4)	14.58	N/A	N/A	N/A	1	See Addendum to Form 2F
Sulfide (As S)	0.01	N/A	N/A	N/A	1	See Addendum to Form 2F
Sulfite (As SO3)	Believed Absent					
Surfactants	<0.025	N/A	N/A	N/A	1	
Aluminum, Total	0.66	N/A	N/A	N/A	1	See Addendum to Form 2F
Barium, Total	0.04	N/A	N/A	N/A	1	See Addendum to Form 2F
Boron, Total	<0.02	N/A	N/A	N/A	1	N/A
Cobalt, Total	<0.003	N/A	N/A	N/A	1	N/A
Iron, Total	2.3	N/A	N/A	N/A	1	See Addendum to Form 2F
Magnesium, Total	3.53	N/A	N/A	N/A	1	See Addendum to Form 2F
Molybdenum, Total	<0.001	N/A	N/A	N/A	1	N/A
Manganese, Total	0.4	N/A	N/A	N/A	1	See Addendum to Form 2F
Tin, Total	<0.005	N/A	N/A	N/A	1	N/A
Titanium, Total	<0.002	N/A	N/A	N/A	1	N/A
Antimony, Total	<0.001	N/A	N/A	N/A	1	N/A
Arsenic, Total	<0.003	N/A	N/A	N/A	1	N/A
Beryllium, Total	<0.0002	N/A	N/A	N/A	1	N/A
Cadmium, Total	<0.0003	N/A	N/A	N/A	1	N/A
Chromium, Total	<0.001	N/A	N/A	N/A	1	N/A
Copper, Total	<0.001	N/A	N/A	N/A	1	N/A
Lead, Total	<0.002	N/A	N/A	N/A	1	N/A
Mercury, Total	<0.0002	N/A	N/A	N/A	1	N/A
Nickel, Total	<0.005	N/A	N/A	N/A	1	N/A
Selenium, Total	<0.003	N/A	N/A	N/A	1	N/A
Silver, Total	<0.0001	N/A	N/A	N/A	1	N/A
Thallium, Total	<0.0002	N/A	N/A	N/A	1	N/A
Zinc, Total	0.016	N/A	N/A	N/A	1	See Addendum to Form 2F
Cyanide, Total	<0.01	N/A	N/A	N/A	1	N/A
Total Phenols	0.06	N/A	N/A	N/A	1	See Addendum to Form 2F
Dioxin Screen	Believed Absent					
Acrolein	<0.01	N/A	N/A	N/A	1	N/A
Acrylonitrile	<0.0015	N/A	N/A	N/A	1	N/A
Benzene	<0.0044	N/A	N/A	N/A	1	N/A
Bromoform	<0.0047	N/A	N/A	N/A	1	N/A
Carbon Tetrachloride	<0.0028	N/A	N/A	N/A	1	N/A
Chlorobenzene	<0.006	N/A	N/A	N/A	1	N/A
Chlorodibromomethane	<0.0031	N/A	N/A	N/A	1	N/A
Chloroethane	<0.0011	N/A	N/A	N/A	1	N/A
2-Chloroethylvinyl Ether	<0.0012	N/A	N/A	N/A	1	N/A
Chloroform	<0.0016	N/A	N/A	N/A	1	N/A
Dichlorobromomethane	<0.0022	N/A	N/A	N/A	1	N/A
1,1-Dichloroethane	<0.0047	N/A	N/A	N/A	1	N/A
1,2-Dichloroethane	<0.0028	N/A	N/A	N/A	1	N/A
1,1-Dichloroethylene	<0.0028	N/A	N/A	N/A	1	N/A
1,2-Dichloropropane	<0.006	N/A	N/A	N/A	1	N/A
1,3-Dichloropropylene	<0.005	N/A	N/A	N/A	1	N/A
Ethyl Benzene	<0.0072	N/A	N/A	N/A	1	N/A
Methyl Bromide	<0.0014	N/A	N/A	N/A	1	N/A
Methyl Chloride	<0.0011	N/A	N/A	N/A	1	N/A

 Continue on Reverse

Outfall 005

Methylene Chloride	<0.0028	N/A	N/A	N/A	1	N/A
1,1,2,2-Tetrachloroethane	<0.0069	N/A	N/A	N/A	1	N/A
Tetrachloroethylene	<0.0041	N/A	N/A	N/A	1	N/A
Toluene	<0.006	N/A	N/A	N/A	1	N/A
1,2-Trans-Dichloroethylene	<0.0016	N/A	N/A	N/A	1	N/A
1,1,1-Trichloroethane	<0.0038	N/A	N/A	N/A	1	N/A
1,1,2-Trichloroethane	<0.005	N/A	N/A	N/A	1	N/A
Trichloroethylene	<0.0019	N/A	N/A	N/A	1	N/A
Vinyl Chloride	<0.0018	N/A	N/A	N/A	1	N/A
2-Chlorophenol	<0.0033	N/A	N/A	N/A	1	N/A
2,4-Dichlorophenol	<0.0056	N/A	N/A	N/A	1	N/A
2,4-Dimethylphenol	<0.0052	N/A	N/A	N/A	1	N/A
4,6-Dinitro-O-Cresol	<0.024	N/A	N/A	N/A	1	N/A
2,4-Dinitrophenol	<0.042	N/A	N/A	N/A	1	N/A
2-Nitrophenol	<0.0036	N/A	N/A	N/A	1	N/A
4-Nitrophenol	<0.0024	N/A	N/A	N/A	1	N/A
P-Chloro-M-Cresol	<0.0075	N/A	N/A	N/A	1	N/A
Pentachlorophenol	<0.0036	N/A	N/A	N/A	1	N/A
Phenol	<0.0027	N/A	N/A	N/A	1	N/A
2,4,6-Trichlorophenol	<0.0027	N/A	N/A	N/A	1	N/A
Acenaphthene	<0.003	N/A	N/A	N/A	1	N/A
Acenaphthylene	<0.0035	N/A	N/A	N/A	1	N/A
Anthracene	<0.0019	N/A	N/A	N/A	1	N/A
Benzidine	<0.063	N/A	N/A	N/A	1	N/A
Benzo (A) Anthracene	<0.0078	N/A	N/A	N/A	1	N/A
Benzo (A) Pyrene	<0.0025	N/A	N/A	N/A	1	N/A
3,4-Benzofluoranthene	<0.0048	N/A	N/A	N/A	1	N/A
Benzo (G H I) Perylene	<0.0041	N/A	N/A	N/A	1	N/A
Benzo (K) Fluoranthene	<0.0025	N/A	N/A	N/A	1	N/A
Bis(2-Chloroethoxy) Methane	<0.0053	N/A	N/A	N/A	1	N/A
Bis(-2-Chloroethyl) Ether	<0.0057	N/A	N/A	N/A	1	N/A
Bis(2-Chloroisopropyl) Ether	<0.0057	N/A	N/A	N/A	1	N/A
Bis(2-Ethylhexyl) Phthalate	<0.0025	N/A	N/A	N/A	1	N/A
4-Bromophenyl-Phenyl Ether	<0.003	N/A	N/A	N/A	1	N/A
Butyl Benzyl Phthalate	<0.0025	N/A	N/A	N/A	1	N/A
2-Chloronaphthalene	<0.0046	N/A	N/A	N/A	1	N/A
4-Chlorophenyl-Phenyl Ether	<0.0042	N/A	N/A	N/A	1	N/A
Chrysene	<0.0025	N/A	N/A	N/A	1	N/A
Dibenzo (A H) Anthracene	<0.0025	N/A	N/A	N/A	1	N/A
1,2-Dichlorobenzene	<0.004	N/A	N/A	N/A	1	N/A
1,3-Dichlorobenzene	<0.0031	N/A	N/A	N/A	1	N/A
1,4-Dichlorobenzene	<0.0044	N/A	N/A	N/A	1	N/A
3,3"-Dichlorobenzidine	<0.0165	N/A	N/A	N/A	1	N/A
Diethyl Phthalate	<0.0074	N/A	N/A	N/A	1	N/A
Dimethyl Phthalate	<0.0075	N/A	N/A	N/A	1	N/A
Di-N-Butyl Phthalate	<0.0064	N/A	N/A	N/A	1	N/A
2,4-Dinitrotoluene	<0.0057	N/A	N/A	N/A	1	N/A
2,6-Dinitrotoluene	<0.0034	N/A	N/A	N/A	1	N/A
Di-N-Octyl Phthalate	<0.0025	N/A	N/A	N/A	1	N/A
1,2-Diphenylhydrazine	<0.0088	N/A	N/A	N/A	1	N/A
Fluoranthene	<0.0022	N/A	N/A	N/A	1	N/A
Fluorene	<0.0022	N/A	N/A	N/A	1	N/A
Hexachlorobenzene	<0.0031	N/A	N/A	N/A	1	N/A
Hexachlorobutadiene	<0.0018	N/A	N/A	N/A	1	N/A
Hexachlorocyclopentadiene	<0.01	N/A	N/A	N/A	1	N/A
Hexachloroethane	<0.0024	N/A	N/A	N/A	1	N/A
Indeno (1,2,3-Cd) Pyrene	<0.0037	N/A	N/A	N/A	1	N/A
Isophorone	<0.0051	N/A	N/A	N/A	1	N/A
Naphthalene	<0.0038	N/A	N/A	N/A	1	N/A
Nitrobenzene	<0.0042	N/A	N/A	N/A	1	N/A
N-Nitrosodimethylamine	<0.0062	N/A	N/A	N/A	1	N/A
N-Nitroso-Di-N-Propylamine	<0.0036	N/A	N/A	N/A	1	N/A
N-Nitrosodiphenylamine	<0.0027	N/A	N/A	N/A	1	N/A
Phenanthrene	<0.0054	N/A	N/A	N/A	1	N/A
Pyrene	<0.0038	N/A	N/A	N/A	1	N/A
1,2,4-Trichlorobenzene	<0.0079	N/A	N/A	N/A	1	N/A

Continue on Reverse

Outfall 005

Aldrin	<0.00005	N/A	N/A	N/A	1	N/A
Alpha BHC	<0.00005	N/A	N/A	N/A	1	N/A
Beta BHC	<0.00005	N/A	N/A	N/A	1	N/A
Gamma BHC	<0.00005	N/A	N/A	N/A	1	N/A
Delta BHC	<0.00005	N/A	N/A	N/A	1	N/A
Chlordane	<0.0002	N/A	N/A	N/A	1	N/A
4,4pr DDT	<0.0001	N/A	N/A	N/A	1	N/A
4,4pr DDE	<0.0001	N/A	N/A	N/A	1	N/A
4,4pr DDD	<0.0001	N/A	N/A	N/A	1	N/A
Dieldrin	<0.0001	N/A	N/A	N/A	1	N/A
Alpha-Endosulfan	<0.0001	N/A	N/A	N/A	1	N/A
Beta-Endosulfan	<0.0001	N/A	N/A	N/A	1	N/A
Endosulfan Sulfate	<0.0001	N/A	N/A	N/A	1	N/A
Endrin	<0.0001	N/A	N/A	N/A	1	N/A
Endrin Aldehyde	<0.0001	N/A	N/A	N/A	1	N/A
Heptachlor	<0.00005	N/A	N/A	N/A	1	N/A
Heptachlor-Epoxide	<0.0001	N/A	N/A	N/A	1	N/A
PCB 1242	<0.001	N/A	N/A	N/A	1	N/A
PCB 1254	<0.001	N/A	N/A	N/A	1	N/A
PCB 1221	<0.001	N/A	N/A	N/A	1	N/A
PCB 1232	<0.001	N/A	N/A	N/A	1	N/A
PCB 1248	<0.001	N/A	N/A	N/A	1	N/A
PCB 1260	<0.001	N/A	N/A	N/A	1	N/A
PCB 1016	<0.001	N/A	N/A	N/A	1	N/A
Toxaphene	<0.005	N/A	N/A	N/A	1	N/A
Kepone	<0.0001	N/A	N/A	N/A	1	N/A
Methoxychlor	<0.0001	N/A	N/A	N/A	1	N/A
Mirex	<0.0001	N/A	N/A	N/A	1	N/A
Tributyltin	<0.00003	N/A	N/A	N/A	1	N/A
Demeton	<0.001	N/A	N/A	N/A	1	N/A
Malathion	<0.001	N/A	N/A	N/A	1	N/A
Parathion	<0.001	N/A	N/A	N/A	1	N/A
Clorpyrifos	<0.0002	N/A	N/A	N/A	1	N/A
Guthion	<0.001	N/A	N/A	N/A	1	N/A
Hydrogen Sulfide	<0.05	N/A	N/A	N/A	1	N/A
Silvex	<0.0001	N/A	N/A	N/A	1	N/A
2,4-D	<0.0001	N/A	N/A	N/A	1	N/A
Hardness as CaCO3, Total	71.82	N/A	N/A	N/A	1	N/A
Chloride, Total	3.39	N/A	N/A	N/A	1	See Addendum to Form 2F
Antimony, Dissolved	<0.001	N/A	N/A	N/A	1	N/A
Arsenic, Dissolved	<0.003	N/A	N/A	N/A	1	N/A
Cadmium, Dissolved	<0.0003	N/A	N/A	N/A	1	N/A
Chromium, Dissolved	<0.001	N/A	N/A	N/A	1	N/A
Copper, Dissolved	<0.002	N/A	N/A	N/A	1	N/A
Lead, Dissolved	<0.001	N/A	N/A	N/A	1	N/A
Mercury, Dissolved	<0.0002	N/A	N/A	N/A	1	N/A
Nickel, Dissolved	<0.005	N/A	N/A	N/A	1	N/A
Selenium, Dissolved	<0.003	N/A	N/A	N/A	1	N/A
Silver, Dissolved	<0.0001	N/A	N/A	N/A	1	N/A
Thallium, Dissolved	<0.0002	N/A	N/A	N/A	1	N/A
Zinc, Dissolved	0.019	N/A	N/A	N/A	1	See Addendum to Form 2F

 Continue on Reverse

OUTFALLS 006, 007, 008*	EPA ID Number *(copy from Item I of Form 1)* 110007008175	Form Approved. OMB No. 2040-0086 Approval expires 5-31-92

VII. Discharge Information *(Continued from page 3 of Form 2F)*

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant And CAS Number *(if available)*	Maximum Values *(mg/L)*		Average Values *(mg/L)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil & Grease	< 5	N/A	N/A	N/A	1	N/A
Biological Oxygen Demand (BOD5)	63.4	N/A	N/A	N/A	1	See Addendum to Form 2F
Chemical Oxygen Demand (COD)	113.39	N/A	N/A	N/A	1	See Addendum to Form 2F
Total Suspended Solids (TSS)	134.4	N/A	71.8	N/A	2	See Addendum to Form 2F
Total Nitrogen	1.68	N/A	N/A	N/A	1	See Addendum to Form 2F
Total Phosphorus	<0.05	N/A	N/A	N/A	1	N/A
pH	Minimum 7.37	Maximum 7.91	Minimum N/A	Maximum N/A	3	N/A

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant And CAS Number *(if available)*	**Maximum Values *(include units)***		**Average Values *(include units)***		**Number Of Storm Events Sampled**	**Sources of Pollutants**
	Grab Sample Taken During First 30 Minutes	**Flow-weighted Composite**	**Grab Sample Taken During First 30 Minutes**	**Flow-weighted Composite**		
pH	See Part A	N/A	N/A	N/A	1	N/A
Total Phosphorous	See Part A	N/A	N/A	N/A	1	See Addendum to Form 2F
Total Nitrogen	See Part A	N/A	N/A	N/A	1	See Addendum to Form 2F
Total Zinc	See Part C	N/A	N/A	N/A	1	See Addendum to Form 2F
Total Chromium	See Part C	N/A	N/A	N/A	1	See Addendum to Form 2F
Total Residual Chlorine	See Part C	N/A	N/A	N/A	1	N/A
Total Suspended Solids	See Part A	N/A	N/A	N/A	1	See Addendum to Form 2F
Oil & Grease	See Part A	N/A	N/A	N/A	1	See Addendum to Form 2F
126 Priority Pollutants in cooling tower additives.	None of the 126 priority pollutants are present in cooling tower additives		N/A	N/A	N/A	N/A

***Data for Outfall 007 was used as representative of Outfalls 006 and 008, as approved by DEQ (see July 1, 2009 waiver response letter).**

Outfall 006, 007, 008

Continued from the Front

Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant And CAS Number *(if available)*	Maximum Values *(mg/L unless otherwise noted)*		Average Values *(mg/L unless otherwise noted)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Ammonia, Total	0.19	N/A	N/A	N/A	1	See Addendum to Form 2F
Bromide, Total	<0.2	N/A	N/A	N/A	1	N/A
Chlorine, Total Residual	Believed Absent					
Color	1000	N/A	N/A	N/A	1	See Addendum to Form 2F
Fecal Coliform	Believed Absent					
Fluoride	0.794	N/A	N/A	N/A		See Addendum to Form 2F
Nitrate + Nitrite	0.51	N/A	N/A	N/A	1	See Addendum to Form 2F
Nitrogen, Total Org. As N	0.98	N/A	N/A	N/A	1	See Addendum to Form 2F
Phosphorus (As P), Total	<0.05	N/A	N/A	N/A	1	N/A
Alpha, Total pCi/l	43.3	N/A	N/A	N/A	1	See Addendum to Form 2F
Beta, Total pCi/l	36.6	N/A	N/A	N/A	1	See Addendum to Form 2F
Radium, Total	Believed Absent					
Radium 226 , Total pCi/l	1.09					See Addendum to Form 2F
Sulfate (As SO4)	516.39	N/A	N/A	N/A	1	See Addendum to Form 2F
Sulfide (As S)	<0.01	N/A	N/A	N/A	1	N/A
Sulfite (As SO3)	Believed Absent					
Surfactants	<0.025	N/A	N/A	N/A	1	N/A
Aluminum, Total	155	N/A	N/A	N/A	1	See Addendum to Form 2F
Barium, Total	0.343	N/A	N/A	N/A	1	See Addendum to Form 2F
Boron, Total	0.23	N/A	N/A	N/A	1	See Addendum to Form 2F
Cobalt, Total	0.033	N/A	N/A	N/A	1	See Addendum to Form 2F
Iron, Total	259	N/A	N/A	N/A	1	See Addendum to Form 2F
Magnesium, Total	119.1	N/A	N/A	N/A	1	See Addendum to Form 2F
Molybdenum, Total	0.015	N/A	N/A	N/A	1	See Addendum to Form 2F
Manganese, Total	5.89	N/A	N/A	N/A	1	See Addendum to Form 2F
Tin, Total	<0.005	N/A	N/A	N/A	1	N/A
Titanium, Total	0.172	N/A	N/A	N/A	1	See Addendum to Form 2F
Antimony, Total	0.003	N/A	N/A	N/A	1	See Addendum to Form 2F
Arsenic, Total	0.141	N/A	N/A	N/A	1	See Addendum to Form 2F
Beryllium, Total	0.0046	N/A	N/A	N/A	1	See Addendum to Form 2F
Cadmium, Total	0.0005	N/A	N/A	N/A	1	See Addendum to Form 2F
Chromium, Total	0.034	N/A	N/A	N/A	1	See Addendum to Form 2F
Copper, Total	0.058	N/A	N/A	N/A	1	See Addendum to Form 2F
Lead, Total	0.024	N/A	N/A	N/A	1	See Addendum to Form 2F
Mercury, Total	0.001	N/A	N/A	N/A	1	See Addendum to Form 2F
Nickel, Total	0.028	N/A	N/A	N/A	1	See Addendum to Form 2F
Selenium, Total	0.011	N/A	N/A	N/A	1	See Addendum to Form 2F
Silver, Total	<0.0001	N/A	N/A	N/A	1	N/A
Thallium, Total	0.0007	N/A	N/A	N/A	1	See Addendum to Form 2F
Zinc, Total	0.655	N/A	N/A	N/A	1	See Addendum to Form 2F
Cyanide, Total	<0.01	N/A	N/A	N/A	1	N/A
Total Phenols	<0.01	N/A	N/A	N/A	1	N/A
Dioxin Screen	Believed Absent					
Acrolein	<0.01	N/A	N/A	N/A	1	N/A
Acrylonitrile	<0.0015	N/A	N/A	N/A	1	N/A
Benzene	<0.0044	N/A	N/A	N/A	1	N/A
Bromoform	<0.0047	N/A	N/A	N/A	1	N/A
Carbon Tetrachloride	<0.0028	N/A	N/A	N/A	1	N/A
Chlorobenzene	<0.006	N/A	N/A	N/A	1	N/A
Chlorodibromomethane	<0.0031	N/A	N/A	N/A	1	N/A
Chloroethane	<0.0011	N/A	N/A	N/A	1	N/A
2-Chloroethylvinyl Ether	<0.0012	N/A	N/A	N/A	1	N/A
Chloroform	<0.0016	N/A	N/A	N/A	1	N/A
Dichlorobromomethane	<0.0022	N/A	N/A	N/A	1	N/A
1,1-Dichloroethane	<0.0047	N/A	N/A	N/A	1	N/A
1,2-Dichloroethane	<0.0028	N/A	N/A	N/A	1	N/A
1,1-Dichloroethylene	<0.0028	N/A	N/A	N/A	1	N/A
1,2-Dichloropropane	<0.006	N/A	N/A	N/A	1	N/A
1,3-Dichloropropylene	<0.005	N/A	N/A	N/A	1	N/A
Ethyl Benzene	<0.0072	N/A	N/A	N/A	1	N/A
Methyl Bromide	<0.0014	N/A	N/A	N/A	1	N/A
Methyl Chloride	<0.0011	N/A	N/A	N/A	1	N/A

 Continue on Reverse

Outfall 006, 007, 008

Methylene Chloride	<0.0028	N/A	N/A	N/A	1	N/A
1,1,2,2-Tetrachloroethane	<0.0069	N/A	N/A	N/A	1	N/A
Tetrachloroethylene	<0.0041	N/A	N/A	N/A	1	N/A
Toluene	<0.006	N/A	N/A	N/A	1	N/A
1,2-Trans-Dichloroethylene	<0.0016	N/A	N/A	N/A	1	N/A
1,1,1-Trichloroethane	<0.0038	N/A	N/A	N/A	1	N/A
1,1,2-Trichloroethane	<0.005	N/A	N/A	N/A	1	N/A
Trichloroethylene	<0.0019	N/A	N/A	N/A	1	N/A
Vinyl Chloride	<0.0018	N/A	N/A	N/A	1	N/A
2-Chlorophenol	<0.0033	N/A	N/A	N/A	1	N/A
2,4-Dichlorophenol	<0.0056	N/A	N/A	N/A	1	N/A
2,4-Dimethylphenol	<0.0052	N/A	N/A	N/A	1	N/A
4,6-Dinitro-O-Cresol	<0.024	N/A	N/A	N/A	1	N/A
2,4-Dinitrophenol	<0.042	N/A	N/A	N/A	1	N/A
2-Nitrophenol	<0.0036	N/A	N/A	N/A	1	N/A
4-Nitrophenol	<0.0024	N/A	N/A	N/A	1	N/A
P-Chloro-M-Cresol	<0.0075	N/A	N/A	N/A	1	N/A
Pentachlorophenol	<0.0036	N/A	N/A	N/A	1	N/A
Phenol	<0.0027	N/A	N/A	N/A	1	N/A
2,4,6-Trichlorophenol	<0.0027	N/A	N/A	N/A	1	N/A
Acenaphthene	<0.003	N/A	N/A	N/A	1	N/A
Acenaphthylene	<0.0035	N/A	N/A	N/A	1	N/A
Anthracene	<0.0019	N/A	N/A	N/A	1	N/A
Benzidine	<0.063	N/A	N/A	N/A	1	N/A
Benzo (A) Anthracene	<0.0078	N/A	N/A	N/A	1	N/A
Benzo (A) Pyrene	<0.0025	N/A	N/A	N/A	1	N/A
3,4-Benzofluoranthene	<0.0048	N/A	N/A	N/A	1	N/A
Benzo (G H I) Perylene	<0.0041	N/A	N/A	N/A	1	N/A
Benzo (K) Fluoranthene	<0.0025	N/A	N/A	N/A	1	N/A
Bis(2-Chloroethoxy) Methane	<0.0053	N/A	N/A	N/A	1	N/A
Bis(-2-Chloroethyl) Ether	<0.0057	N/A	N/A	N/A	1	N/A
Bis(2-Chloroisopropyl) Ether	<0.0057	N/A	N/A	N/A	1	N/A
Bis(2-Ethylhexyl) Phthalate	<0.0025	N/A	N/A	N/A	1	N/A
4-Bromophenyl-Phenyl Ether	<0.003	N/A	N/A	N/A	1	N/A
Butyl Benzyl Phthalate	<0.0025	N/A	N/A	N/A	1	N/A
2-Chloronaphthalene	<0.0046	N/A	N/A	N/A	1	N/A
4-Chlorophenyl-Phenyl Ether	<0.0042	N/A	N/A	N/A	1	N/A
Chrysene	<0.0025	N/A	N/A	N/A	1	N/A
Dibenzo (A H) Anthracene	<0.0025	N/A	N/A	N/A	1	N/A
1,2-Dichlorobenzene	<0.004	N/A	N/A	N/A	1	N/A
1,3-Dichlorobenzene	<0.0031	N/A	N/A	N/A	1	N/A
1,4-Dichlorobenzene	<0.0044	N/A	N/A	N/A	1	N/A
3,3"-Dichlorobenzidine	<0.0165	N/A	N/A	N/A	1	N/A
Diethyl Phthalate	<0.0074	N/A	N/A	N/A	1	N/A
Dimethyl Phthalate	<0.0075	N/A	N/A	N/A	1	N/A
Di-N-Butyl Phthalate	<0.0064	N/A	N/A	N/A	1	N/A
2,4-Dinitrotoluene	<0.0057	N/A	N/A	N/A	1	N/A
2,6-Dinitrotoluene	<0.0034	N/A	N/A	N/A	1	N/A
Di-N-Octyl Phthalate	<0.0025	N/A	N/A	N/A	1	N/A
1,2-Diphenylhydrazine	<0.0088	N/A	N/A	N/A	1	N/A
Fluoranthene	<0.0022	N/A	N/A	N/A	1	N/A
Fluorene	<0.0022	N/A	N/A	N/A	1	N/A
Hexachlorobenzene	<0.0031	N/A	N/A	N/A	1	N/A
Hexachlorobutadiene	<0.0018	N/A	N/A	N/A	1	N/A
Hexachlorocyclopentadiene	<0.01	N/A	N/A	N/A	1	N/A
Hexachloroethane	<0.0024	N/A	N/A	N/A	1	N/A
Indeno (1,2,3-Cd) Pyrene	<0.0037	N/A	N/A	N/A	1	N/A
Isophorone	<0.0051	N/A	N/A	N/A	1	N/A
Naphthalene	<0.0038	N/A	N/A	N/A	1	N/A
Nitrobenzene	<0.0042	N/A	N/A	N/A	1	N/A
N-Nitrosodimethylamine	<0.0062	N/A	N/A	N/A	1	N/A
N-Nitroso-Di-N-Propylamine	<0.0036	N/A	N/A	N/A	1	N/A
N-Nitrosodiphenylamine	<0.0027	N/A	N/A	N/A	1	N/A
Phenanthrene	<0.0054	N/A	N/A	N/A	1	N/A
Pyrene	<0.0038	N/A	N/A	N/A	1	N/A
1,2,4-Trichlorobenzene	<0.0079	N/A	N/A	N/A	1	N/A

 Continue on Reverse

Outfall 006, 007, 008

Aldrin	<0.00005	N/A	N/A	N/A	1	N/A
Alpha BHC	<0.00005	N/A	N/A	N/A	1	N/A
Beta BHC	<0.00005	N/A	N/A	N/A	1	N/A
Gamma BHC	<0.00005	N/A	N/A	N/A	1	N/A
Delta BHC	<0.00005	N/A	N/A	N/A	1	N/A
Chlordane	<0.0002	N/A	N/A	N/A	1	N/A
4,4pr DDT	<0.0001	N/A	N/A	N/A	1	N/A
4,4pr DDE	<0.0001	N/A	N/A	N/A	1	N/A
4,4pr DDD	<0.0001	N/A	N/A	N/A	1	N/A
Dieldrin	<0.0001	N/A	N/A	N/A	1	N/A
Alpha-Endosulfan	<0.0001	N/A	N/A	N/A	1	N/A
Beta-Endosulfan	<0.0001	N/A	N/A	N/A	1	N/A
Endosulfan Sulfate	<0.0001	N/A	N/A	N/A	1	N/A
Endrin	<0.0001	N/A	N/A	N/A	1	N/A
Endrin Aldehyde	<0.0001	N/A	N/A	N/A	1	N/A
Heptachlor	<0.00005	N/A	N/A	N/A	1	N/A
Heptachlor-Epoxide	<0.0001	N/A	N/A	N/A	1	N/A
PCB 1242	<0.001	N/A	N/A	N/A	1	N/A
PCB 1254	<0.001	N/A	N/A	N/A	1	N/A
PCB 1221	<0.001	N/A	N/A	N/A	1	N/A
PCB 1232	<0.001	N/A	N/A	N/A	1	N/A
PCB 1248	<0.001	N/A	N/A	N/A	1	N/A
PCB 1260	<0.001	N/A	N/A	N/A	1	N/A
PCB 1016	<0.001	N/A	N/A	N/A	1	N/A
Toxaphene	<0.005	N/A	N/A	N/A	1	N/A
Kepone	<0.0001	N/A	N/A	N/A	1	N/A
Methoxychlor	<0.0001	N/A	N/A	N/A	1	N/A
Mirex	<0.0001	N/A	N/A	N/A	1	N/A
Tributyltin	<0.00003	N/A	N/A	N/A	1	N/A
Demeton	<0.001	N/A	N/A	N/A	1	N/A
Malathion	<0.001	N/A	N/A	N/A	1	N/A
Parathion	<0.001	N/A	N/A	N/A	1	N/A
Clorpyrifos	<0.0002	N/A	N/A	N/A	1	N/A
Guthion	<0.001	N/A	N/A	N/A	1	N/A
Hydrogen Sulfide	<0.05	N/A	N/A	N/A	1	N/A
Silvex	<0.0001	N/A	N/A	N/A	1	N/A
2,4-D	<0.0001	N/A	N/A	N/A	1	N/A
Hardness as CaCO3, Total	983.25	N/A	N/A	N/A	1	N/A
Chloride, Total	20.7	N/A	N/A	N/A	1	See Addendum to Form 2F
Antimony, Dissolved	0.001	N/A	N/A	N/A	1	See Addendum to Form 2F
Arsenic, Dissolved	0.014	N/A	N/A	N/A	1	See Addendum to Form 2F
Cadmium, Dissolved	<0.0003	N/A	N/A	N/A	1	N/A
Chromium, Dissolved	<0.001	N/A	N/A	N/A	1	N/A
Copper, Dissolved	0.009	N/A	N/A	N/A	1	See Addendum to Form 2F N/A
Lead, Dissolved	<0.001	N/A	N/A	N/A	1	N/A
Mercury, Dissolved	<0.0002	N/A	N/A	N/A	1	N/A
Nickel, Dissolved	<0.005	N/A	N/A	N/A	1	N/A
Selenium, Dissolved	0.006	N/A	N/A	N/A	1	See Addendum to Form 2F N/A
Silver, Dissolved	<0.0001	N/A	N/A	N/A	1	N/A
Thallium, Dissolved	<0.0002	N/A	N/A	N/A	1	N/A
Zinc, Dissolved	0.011	N/A	N/A	N/A	1	See Addendum to Form 2F N/A

OUTFALLS 012, 013*

EPA ID Number *(copy from Item I of Form 1)* 110007008175

Form Approved. OMB No. 2040-0086
Approval expires 5-31-92

VII. Discharge Information *(Continued from page 3 of Form 2F)*

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant And CAS Number *(if available)*	Maximum Values *(mg/L)*		Average Values *(mg/L)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil & Grease	< 5	N/A	N/A	N/A	1	N/A
Biological Oxygen Demand (BOD5)	20.9	N/A	N/A	N/A	1	See Addendum to Form 2F
Chemical Oxygen Demand (COD)	55.27	N/A	N/A	N/A	1	See Addendum to Form 2F
Total Suspended Solids (TSS)	1458.6	N/A	752.3	N/A	2	See Addendum to Form 2F
Total Nitrogen	1.65	N/A	N/A	N/A	1	See Addendum to Form 2F
Total Phosphorus	0.07	N/A	N/A	N/A	1	See Addendum to Form 2F
pH	Minimum 7.35	Maximum 8.16	Minimum N/A	Maximum N/A	3	N/A

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant And CAS Number *(if available)*	Maximum Values *(include units)*		Average Values *(include units)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
pH	See Part A	N/A	N/A	N/A	1	N/A
Total Phosphorous	See Part A	N/A	N/A	N/A	1	See Addendum to Form 2F
Total Nitrogen	See Part A	N/A	N/A	N/A	1	See Addendum to Form 2F
Total Zinc	See Part C	N/A	N/A	N/A	1	See Addendum to Form 2F
Total Chromium	See Part C	N/A	N/A	N/A	1	See Addendum to Form 2F
Total Residual Chlorine	See Part C	N/A	N/A	N/A	1	N/A
Total Suspended Solids	See Part A	N/A	N/A	N/A	1	See Addendum to Form 2F
Oil & Grease	See Part A	N/A	N/A	N/A	1	See Addendum to Form 2F
126 Priority Pollutants in cooling tower additives.	None of the 126 priority pollutants are present in cooling tower additives		N/A	N/A	N/A	N/A

***Data for Outfall 013 was used as representative of Outfall 012, as approved by DEQ (see July 1, 2009 waiver response letter).**

Outfalls 012, 013

Continued from the Front

Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant And CAS Number *(if available)*	Maximum Values *(mg/L unless otherwise noted)*		Average Values *(mg/L unless otherwise noted)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Ammonia, Total	0.24	N/A	N/A	N/A	1	See Addendum to Form 2F
Bromide, Total	<0.2	N/A	N/A	N/A	1	N/A
Chlorine, Total Residual	Believed Absent					
Color	500	N/A	N/A	N/A	1	See Addendum to Form 2F
Fecal Coliform	Believed Absent					
Fluoride	0.141	N/A	N/A	N/A		See Addendum to Form 2F
Nitrate + Nitrite	0.86	N/A	N/A	N/A	1	See Addendum to Form 2F
Nitrogen, Total Org. As N	0.55	N/A	N/A	N/A	1	See Addendum to Form 2F
Phosphorus (As P), Total	0.07	N/A	N/A	N/A	1	See Addendum to Form 2F
Alpha, Total pCi/l	4.15	N/A	N/A	N/A	1	See Addendum to Form 2F
Beta, Total pCi/l	4.28	N/A	N/A	N/A	1	See Addendum to Form 2F
Radium 228, Total	0.84	N/A	N/A	N/A	1	See Addendum to Form 2F
Radium 226 , Total	<0.73	N/A	N/A	N/A	1	N/A
Sulfate (As SO4)	13.8	N/A	N/A	N/A	1	See Addendum to Form 2F
Sulfide (As S)	0.01	N/A	N/A	N/A	1	See Addendum to Form 2F
Sulfite (As SO3)	Believed Absent					
Surfactants	<0.025	N/A	N/A	N/A	1	N/A
Aluminum, Total	9.31	N/A	N/A	N/A	1	See Addendum to Form 2F
Barium, Total	0.071	N/A	N/A	N/A	1	See Addendum to Form 2F
Boron, Total	<0.02	N/A	N/A	N/A	1	N/A
Cobalt, Total	0.008	N/A	N/A	N/A	1	See Addendum to Form 2F
Iron, Total	22.98	N/A	N/A	N/A	1	See Addendum to Form 2F
Magnesium, Total	6.41	N/A	N/A	N/A	1	See Addendum to Form 2F
Molybdenum, Total	<0.001	N/A	N/A	N/A	1	N/A
Manganese, Total	0.65	N/A	N/A	N/A	1	See Addendum to Form 2F
Tin, Total	<0.005	N/A	N/A	N/A	1	N/A
Titanium, Total	0.007	N/A	N/A	N/A	1	See Addendum to Form 2F
Antimony, Total	0.001	N/A	N/A	N/A	1	See Addendum to Form 2F
Arsenic, Total	<0.003	N/A	N/A	N/A	1	N/A
Beryllium, Total	0.0003	N/A	N/A	N/A	1	See Addendum to Form 2F
Cadmium, Total	<0.0003	N/A	N/A	N/A	1	N/A
Chromium, Total	<0.001	N/A	N/A	N/A	1	N/A
Copper, Total	0.01	N/A	N/A	N/A	1	See Addendum to Form 2F
Lead, Total	0.002	N/A	N/A	N/A	1	See Addendum to Form 2F
Mercury, Total	<0.0002	N/A	N/A	N/A	1	N/A
Nickel, Total	<0.005	N/A	N/A	N/A	1	N/A
Selenium, Total	<0.003	N/A	N/A	N/A	1	N/A
Silver, Total	<0.0001	N/A	N/A	N/A	1	N/A
Thallium, Total	<0.0002	N/A	N/A	N/A	1	N/A
Zinc, Total	0.249	N/A	N/A	N/A	1	See Addendum to Form 2F
Cyanide, Total	<0.01	N/A	N/A	N/A	1	N/A
Total Phenols	0.11	N/A	N/A	N/A	1	See Addendum to Form 2F
Dioxin Screen	Believed Absent					
Acrolein	<0.01	N/A	N/A	N/A	1	N/A
Acrylonitrile	<0.0015	N/A	N/A	N/A	1	N/A
Benzene	<0.0044	N/A	N/A	N/A	1	N/A
Bromoform	<0.0047	N/A	N/A	N/A	1	N/A
Carbon Tetrachloride	<0.0028	N/A	N/A	N/A	1	N/A
Chlorobenzene	<0.006	N/A	N/A	N/A	1	N/A
Chlorodibromomethane	<0.0031	N/A	N/A	N/A	1	N/A
Chloroethane	<0.0011	N/A	N/A	N/A	1	N/A
2-Chloroethylvinyl Ether	<0.0012	N/A	N/A	N/A	1	N/A
Chloroform	<0.0016	N/A	N/A	N/A	1	N/A
Dichlorobromomethane	<0.0022	N/A	N/A	N/A	1	N/A
1,1-Dichloroethane	<0.0047	N/A	N/A	N/A	1	N/A
1,2-Dichloroethane	<0.0028	N/A	N/A	N/A	1	N/A
1,1-Dichloroethylene	<0.0028	N/A	N/A	N/A	1	N/A
1,2-Dichloropropane	<0.006	N/A	N/A	N/A	1	N/A
1,3-Dichloropropylene	<0.005	N/A	N/A	N/A	1	N/A
Ethyl Benzene	<0.0072	N/A	N/A	N/A	1	N/A
Methyl Bromide	<0.0014	N/A	N/A	N/A	1	N/A
Methyl Chloride	<0.0011	N/A	N/A	N/A	1	N/A

Continue on Reverse

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Methylene Chloride	<0.0028	N/A	N/A	N/A	1	N/A
1,1,2,2-Tetrachloroethane	<0.0069	N/A	N/A	N/A	1	N/A
Tetrachloroethylene	<0.0041	N/A	N/A	N/A	1	N/A
Toluene	<0.006	N/A	N/A	N/A	1	N/A
1,2-Trans-Dichloroethylene	<0.0016	N/A	N/A	N/A	1	N/A
1,1,1-Trichloroethane	<0.0038	N/A	N/A	N/A	1	N/A
1,1,2-Trichloroethane	<0.005	N/A	N/A	N/A	1	N/A
Trichloroethylene	<0.0019	N/A	N/A	N/A	1	N/A
Vinyl Chloride	<0.0018	N/A	N/A	N/A	1	N/A
2-Chlorophenol	<0.0033	N/A	N/A	N/A	1	N/A
2,4-Dichlorophenol	<0.0056	N/A	N/A	N/A	1	N/A
2,4-Dimethylphenol	<0.0052	N/A	N/A	N/A	1	N/A
4,6-Dinitro-O-Cresol	<0.024	N/A	N/A	N/A	1	N/A
2,4-Dinitrophenol	<0.042	N/A	N/A	N/A	1	N/A
2-Nitrophenol	<0.0036	N/A	N/A	N/A	1	N/A
4-Nitrophenol	<0.0024	N/A	N/A	N/A	1	N/A
P-Chloro-M-Cresol	<0.0075	N/A	N/A	N/A	1	N/A
Pentachlorophenol	<0.0036	N/A	N/A	N/A	1	N/A
Phenol	<0.0027	N/A	N/A	N/A	1	N/A
2,4,6-Trichlorophenol	<0.0027	N/A	N/A	N/A	1	N/A
Acenaphthene	<0.003	N/A	N/A	N/A	1	N/A
Acenaphthylene	<0.0035	N/A	N/A	N/A	1	N/A
Anthracene	<0.0019	N/A	N/A	N/A	1	N/A
Benzidine	<0.063	N/A	N/A	N/A	1	N/A
Benzo (A) Anthracene	<0.0078	N/A	N/A	N/A	1	N/A
Benzo (A) Pyrene	<0.0025	N/A	N/A	N/A	1	N/A
3,4-Benzofluoranthene	<0.0048	N/A	N/A	N/A	1	N/A
Benzo (G H I) Perylene	<0.0041	N/A	N/A	N/A	1	N/A
Benzo (K) Fluoranthene	<0.0025	N/A	N/A	N/A	1	N/A
Bis(2-Chloroethoxy) Methane	<0.0053	N/A	N/A	N/A	1	N/A
Bis(-2-Chloroethyl) Ether	<0.0057	N/A	N/A	N/A	1	N/A
Bis(2-Chloroisopropyl) Ether	<0.0057	N/A	N/A	N/A	1	N/A
Bis(2-Ethylhexyl) Phthalate	<0.0025	N/A	N/A	N/A	1	N/A
4-Bromophenyl-Phenyl Ether	<0.003	N/A	N/A	N/A	1	N/A
Butyl Benzyl Phthalate	<0.0025	N/A	N/A	N/A	1	N/A
2-Chloronaphthalene	<0.0046	N/A	N/A	N/A	1	N/A
4-Chlorophenyl-Phenyl Ether	<0.0042	N/A	N/A	N/A	1	N/A
Chrysene	<0.0025	N/A	N/A	N/A	1	N/A
Dibenzo (A H) Anthracene	<0.0025	N/A	N/A	N/A	1	N/A
1,2-Dichlorobenzene	<0.004	N/A	N/A	N/A	1	N/A
1,3-Dichlorobenzene	<0.0031	N/A	N/A	N/A	1	N/A
1,4-Dichlorobenzene	<0.0044	N/A	N/A	N/A	1	N/A
3,3"-Dichlorobenzidine	<0.0165	N/A	N/A	N/A	1	N/A
Diethyl Phthalate	<0.0074	N/A	N/A	N/A	1	N/A
Dimethyl Phthalate	<0.0075	N/A	N/A	N/A	1	N/A
Di-N-Butyl Phthalate	<0.0064	N/A	N/A	N/A	1	N/A
2,4-Dinitrotoluene	<0.0057	N/A	N/A	N/A	1	N/A
2,6-Dinitrotoluene	<0.0034	N/A	N/A	N/A	1	N/A
Di-N-Octyl Phthalate	<0.0025	N/A	N/A	N/A	1	N/A
1,2-Diphenylhydrazine	<0.0088	N/A	N/A	N/A	1	N/A
Fluoranthene	<0.0022	N/A	N/A	N/A	1	N/A
Fluorene	<0.0022	N/A	N/A	N/A	1	N/A
Hexachlorobenzene	<0.0031	N/A	N/A	N/A	1	N/A
Hexachlorobutadiene	<0.0018	N/A	N/A	N/A	1	N/A
Hexachlorocyclopentadiene	<0.01	N/A	N/A	N/A	1	N/A
Hexachloroethane	<0.0024	N/A	N/A	N/A	1	N/A
Indeno (1,2,3-Cd) Pyrene	<0.0037	N/A	N/A	N/A	1	N/A
Isophorone	<0.0051	N/A	N/A	N/A	1	N/A
Naphthalene	<0.0038	N/A	N/A	N/A	1	N/A
Nitrobenzene	<0.0042	N/A	N/A	N/A	1	N/A
N-Nitrosodimethylamine	<0.0062	N/A	N/A	N/A	1	N/A
N-Nitroso-Di-N-Propylamine	<0.0036	N/A	N/A	N/A	1	N/A
N-Nitrosodiphenylamine	<0.0027	N/A	N/A	N/A	1	N/A
Phenanthrene	<0.0054	N/A	N/A	N/A	1	N/A
Pyrene	<0.0038	N/A	N/A	N/A	1	N/A
1,2,4-Trichlorobenzene	<0.0079	N/A	N/A	N/A	1	N/A

 Continue on Reverse

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Aldrin	<0.00005	N/A	N/A	N/A	1	N/A
Alpha BHC	<0.00005	N/A	N/A	N/A	1	N/A
Beta BHC	<0.00005	N/A	N/A	N/A	1	N/A
Gamma BHC	<0.00005	N/A	N/A	N/A	1	N/A
Delta BHC	<0.00005	N/A	N/A	N/A	1	N/A
Chlordane	<0.0002	N/A	N/A	N/A	1	N/A
4,4pr DDT	<0.0001	N/A	N/A	N/A	1	N/A
4,4pr DDE	<0.0001	N/A	N/A	N/A	1	N/A
4,4pr DDD	<0.0001	N/A	N/A	N/A	1	N/A
Dieldrin	<0.0001	N/A	N/A	N/A	1	N/A
Alpha-Endosulfan	<0.0001	N/A	N/A	N/A	1	N/A
Beta-Endosulfan	<0.0001	N/A	N/A	N/A	1	N/A
Endosulfan Sulfate	<0.0001	N/A	N/A	N/A	1	N/A
Endrin	<0.0001	N/A	N/A	N/A	1	N/A
Endrin Aldehyde	<0.0001	N/A	N/A	N/A	1	N/A
Heptachlor	<0.00005	N/A	N/A	N/A	1	N/A
Heptachlor-Epoxide	<0.0001	N/A	N/A	N/A	1	N/A
PCB 1242	<0.001	N/A	N/A	N/A	1	N/A
PCB 1254	<0.001	N/A	N/A	N/A	1	N/A
PCB 1221	<0.001	N/A	N/A	N/A	1	N/A
PCB 1232	<0.001	N/A	N/A	N/A	1	N/A
PCB 1248	<0.001	N/A	N/A	N/A	1	N/A
PCB 1260	<0.001	N/A	N/A	N/A	1	N/A
PCB 1016	<0.001	N/A	N/A	N/A	1	N/A
Toxaphene	<0.005	N/A	N/A	N/A	1	N/A
Kepone	<0.0001	N/A	N/A	N/A	1	N/A
Methoxychlor	<0.0001	N/A	N/A	N/A	1	N/A
Mirex	<0.0001	N/A	N/A	N/A	1	N/A
Tributyltin	<0.00003	N/A	N/A	N/A	1	N/A
Demeton	<0.001	N/A	N/A	N/A	1	N/A
Malathion	<0.001	N/A	N/A	N/A	1	N/A
Parathion	<0.001	N/A	N/A	N/A	1	N/A
Clorpyrifos	<0.0002	N/A	N/A	N/A	1	N/A
Guthion	<0.001	N/A	N/A	N/A	1	N/A
Hydrogen Sulfide	<0.05	N/A	N/A	N/A	1	N/A
Silvex	<0.0001	N/A	N/A	N/A	1	N/A
2,4-D	<0.0001	N/A	N/A	N/A	1	N/A
Hardness as CaCO3, Total	68.4	N/A	N/A	N/A	1	N/A
Chloride, Total	3.18	N/A	N/A	N/A	1	See Addendum to Form 2F
Antimony, Dissolved	0.001	N/A	N/A	N/A	1	See Addendum to Form 2F
Arsenic, Dissolved	<0.003	N/A	N/A	N/A	1	N/A
Cadmium, Dissolved	<0.0003	N/A	N/A	N/A	1	N/A
Chromium, Dissolved	<0.001	N/A	N/A	N/A	1	N/A
Copper, Dissolved	0.006	N/A	N/A	N/A	1	See Addendum to Form 2F
Lead, Dissolved	<0.001	N/A	N/A	N/A	1	N/A
Mercury, Dissolved	<0.0002	N/A	N/A	N/A	1	N/A
Nickel, Dissolved	<0.005	N/A	N/A	N/A	1	N/A
Selenium, Dissolved	<0.003	N/A	N/A	N/A	1	N/A
Silver, Dissolved	<0.0001	N/A	N/A	N/A	1	N/A
Thallium, Dissolved	<0.0002	N/A	N/A	N/A	1	N/A
Zinc, Dissolved	0.055	N/A	N/A	N/A	1	See Addendum to Form 2F

 Continue on Reverse

OUTFALLS 011,014,015, 016*

EPA ID Number *(copy from Item I of Form 1)* 110007008175

Form Approved. OMB No. 2040-0086
Approval expires 5-31-92

VII. Discharge Information *(Continued from page 3 of Form 2F)*

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

Pollutant And CAS Number *(if available)*	Maximum Values *(mg/L)*		Average Values *(mg/L)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Oil & Grease	< 5	N/A	N/A	N/A	1	N/A
Biological Oxygen Demand (BOD5)	<3	N/A	N/A	N/A	1	N/A
Chemical Oxygen Demand (COD)	15.32	N/A	N/A	N/A	1	See Addendum to Form 2F
Total Suspended Solids (TSS)	1458.6	N/A	752.3	N/A	2	See Addendum to Form 2F
Total Nitrogen	0.48	N/A	N/A	N/A	1	See Addendum to Form 2F
Total Phosphorus	<0.05	N/A	N/A	N/A	1	N/A
pH	Minimum 7.14	Maximum 8.16	Minimum N/A	Maximum N/A	3	N/A

Part B - List each pollutant that is limited in an effluent guideline which the facility is subject to or any pollutant listed in the facility's NPDES permit for its process wastewater (if the facility is operating under an existing NPDES permit). Complete one table for each outfall. See the instructions for additional details and requirements.

Pollutant And CAS Number *(if available)*	**Maximum Values *(include units)***		**Average Values *(include units)***		**Number Of Storm Events Sampled**	**Sources of Pollutants**
	Grab Sample Taken During First 30 Minutes	**Flow-weighted Composite**	**Grab Sample Taken During First 30 Minutes**	**Flow-weighted Composite**		
pH	See Part A	N/A	N/A	N/A	1	N/A
Total Phosphorous	See Part A	N/A	N/A	N/A	1	See Addendum to Form 2F
Total Nitrogen	See Part A	N/A	N/A	N/A	1	See Addendum to Form 2F
Total Zinc	See Part C	N/A	N/A	N/A	1	See Addendum to Form 2F
Total Chromium	See Part C	N/A	N/A	N/A	1	See Addendum to Form 2F
Total Residual Chlorine	See Part C	N/A	N/A	N/A	1	N/A
Total Suspended Solids	See Part A	N/A	N/A	N/A	1	See Addendum to Form 2F
Oil & Grease	See Part A	N/A	N/A	N/A	1	See Addendum to Form 2F
126 Priority Pollutants in cooling tower additives.	None of the 126 priority pollutants are present in cooling tower additives		N/A	N/A	N/A	N/A

***Data for Outfall 011 was used as representative of Outfalls 014, 015 and 016, as approved by DEQ (see July 1, 2009 waiver response letter).**

Outfalls 011, 014, 015, 016

Continued from the Front

Part C - List each pollutant shown in Tables 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.

Pollutant And CAS Number *(if available)*	Maximum Values *(mg/L unless otherwise noted)*		Average Values *(mg/L unless otherwise noted)*		Number Of Storm Events Sampled	Sources of Pollutants
	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite	Grab Sample Taken During First 30 Minutes	Flow-weighted Composite		
Ammonia, Total	0.04	N/A	N/A	N/A	1	See Addendum to Form 2F
Bromide, Total	<0.2	N/A	N/A	N/A	1	N/A
Chlorine, Total Residual	Believed Absent					
Color	45	N/A	N/A	N/A	1	See Addendum to Form 2F
Fecal Coliform	Believed Absent					
Fluoride	0.115	N/A	N/A	N/A		See Addendum to Form 2F
Nitrate + Nitrite	0.07	N/A	N/A	N/A	1	See Addendum to Form 2F
Nitrogen, Total Org. As N	0.37	N/A	N/A	N/A	1	See Addendum to Form 2F
Phosphorus (As P), Total	<0.05	N/A	N/A	N/A	1	N/A
Alpha, Total pCi/l	<1.57	N/A	N/A	N/A	1	N/A
Beta, Total pCi/l	2.35	N/A	N/A	N/A	1	See Addendum to Form 2F
Radium, Total	Believed Absent					
Radium 226 , Total	Believed Absent					
Sulfate (As SO4)	14.69	N/A	N/A	N/A	1	See Addendum to Form 2F
Sulfide (As S)	0.01	N/A	N/A	N/A	1	See Addendum to Form 2F
Sulfite (As SO3)	Believed Absent					
Surfactants	<0.025	N/A	N/A	N/A	1	
Aluminum, Total	1.11	N/A	N/A	N/A	1	See Addendum to Form 2F
Barium, Total	0.03	N/A	N/A	N/A	1	See Addendum to Form 2F
Boron, Total	<0.02	N/A	N/A	N/A	1	N/A
Cobalt, Total	<0.003	N/A	N/A	N/A	1	N/A
Iron, Total	2.52	N/A	N/A	N/A	1	See Addendum to Form 2F
Magnesium, Total	2.38	N/A	N/A	N/A	1	See Addendum to Form 2F
Molybdenum, Total	0.008	N/A	N/A	N/A	1	See Addendum to Form 2F
Manganese, Total	0.12	N/A	N/A	N/A	1	See Addendum to Form 2F
Tin, Total	<0.005	N/A	N/A	N/A	1	N/A
Titanium, Total	<0.002	N/A	N/A	N/A	1	N/A
Antimony, Total	0.001	N/A	N/A	N/A	1	See Addendum to Form 2F
Arsenic, Total	<0.003	N/A	N/A	N/A	1	N/A
Beryllium, Total	<0.0002	N/A	N/A	N/A	1	N/A
Cadmium, Total	<0.0003	N/A	N/A	N/A	1	N/A
Chromium, Total	<0.001	N/A	N/A	N/A	1	N/A
Copper, Total	<0.001	N/A	N/A	N/A	1	N/A
Lead, Total	<0.002	N/A	N/A	N/A	1	N/A
Mercury, Total	<0.0002	N/A	N/A	N/A	1	N/A
Nickel, Total	<0.005	N/A	N/A	N/A	1	N/A
Selenium, Total	<0.003	N/A	N/A	N/A	1	N/A
Silver, Total	<0.0001	N/A	N/A	N/A	1	N/A
Thallium, Total	<0.0002	N/A	N/A	N/A	1	N/A
Zinc, Total	0.013	N/A	N/A	N/A	1	See Addendum to Form 2F
Cyanide, Total	<0.01	N/A	N/A	N/A	1	N/A
Total Phenols	0.06	N/A	N/A	N/A	1	See Addendum to Form 2F
Dioxin Screen	Believed Absent					
Acrolein	<0.01	N/A	N/A	N/A	1	N/A
Acrylonitrile	<0.0015	N/A	N/A	N/A	1	N/A
Benzene	<0.0044	N/A	N/A	N/A	1	N/A
Bromoform	<0.0047	N/A	N/A	N/A	1	N/A
Carbon Tetrachloride	<0.0028	N/A	N/A	N/A	1	N/A
Chlorobenzene	<0.006	N/A	N/A	N/A	1	N/A
Chlorodibromomethane	<0.0031	N/A	N/A	N/A	1	N/A
Chloroethane	<0.0011	N/A	N/A	N/A	1	N/A
2-Chloroethylvinyl Ether	<0.0012	N/A	N/A	N/A	1	N/A
Chloroform	<0.0016	N/A	N/A	N/A	1	N/A
Dichlorobromomethane	<0.0022	N/A	N/A	N/A	1	N/A
1,1-Dichloroethane	<0.0047	N/A	N/A	N/A	1	N/A
1,2-Dichloroethane	<0.0028	N/A	N/A	N/A	1	N/A
1,1-Dichloroethylene	<0.0028	N/A	N/A	N/A	1	N/A
1,2-Dichloropropane	<0.006	N/A	N/A	N/A	1	N/A
1,3-Dichloropropylene	<0.005	N/A	N/A	N/A	1	N/A
Ethyl Benzene	<0.0072	N/A	N/A	N/A	1	N/A
Methyl Bromide	<0.0014	N/A	N/A	N/A	1	N/A
Methyl Chloride	<0.0011	N/A	N/A	N/A	1	N/A
Methylene Chloride	<0.0028	N/A	N/A	N/A	1	N/A

1,1,2,2-Tetrachloroethane	<0.0069	N/A	N/A	N/A	1	N/A
Tetrachloroethylene	<0.0041	N/A	N/A	N/A	1	N/A
Toluene	<0.006	N/A	N/A	N/A	1	N/A
1,2-Trans-Dichloroethylene	<0.0016	N/A	N/A	N/A	1	N/A
1,1,1-Trichloroethane	<0.0038	N/A	N/A	N/A	1	N/A
1,1,2-Trichloroethane	<0.005	N/A	N/A	N/A	1	N/A
Trichloroethylene	<0.0019	N/A	N/A	N/A	1	N/A
Vinyl Chloride	<0.0018	N/A	N/A	N/A	1	N/A
2-Chlorophenol	<0.0033	N/A	N/A	N/A	1	N/A
2,4-Dichlorophenol	<0.0056	N/A	N/A	N/A	1	N/A
2,4-Dimethylphenol	<0.0052	N/A	N/A	N/A	1	N/A
4,6-Dinitro-O-Cresol	<0.024	N/A	N/A	N/A	1	N/A
2,4-Dinitrophenol	<0.042	N/A	N/A	N/A	1	N/A
2-Nitrophenol	<0.0036	N/A	N/A	N/A	1	N/A
4-Nitrophenol	<0.0024	N/A	N/A	N/A	1	N/A
P-Chloro-M-Cresol	<0.0075	N/A	N/A	N/A	1	N/A
Pentachlorophenol	<0.0036	N/A	N/A	N/A	1	N/A
Phenol	<0.0027	N/A	N/A	N/A	1	N/A
2,4,6-Trichlorophenol	<0.0027	N/A	N/A	N/A	1	N/A
Acenaphthene	<0.003	N/A	N/A	N/A	1	N/A
Acenaphthylene	<0.0035	N/A	N/A	N/A	1	N/A
Anthracene	<0.0019	N/A	N/A	N/A	1	N/A
Benzidine	<0.063	N/A	N/A	N/A	1	N/A
Benzo (A) Anthracene	<0.0078	N/A	N/A	N/A	1	N/A
Benzo (A) Pyrene	<0.0025	N/A	N/A	N/A	1	N/A
3,4-Benzofluoranthene	<0.0048	N/A	N/A	N/A	1	N/A
Benzo (G H I) Perylene	<0.0041	N/A	N/A	N/A	1	N/A
Benzo (K) Fluoranthene	<0.0025	N/A	N/A	N/A	1	N/A
Bis(2-Chloroethoxy) Methane	<0.0053	N/A	N/A	N/A	1	N/A
Bis(-2-Chloroethyl) Ether	<0.0057	N/A	N/A	N/A	1	N/A
Bis(2-Chloroisopropyl) Ether	<0.0057	N/A	N/A	N/A	1	N/A
Bis(2-Ethylhexyl) Phthalate	<0.0025	N/A	N/A	N/A	1	N/A
4-Bromophenyl-Phenyl Ether	<0.003	N/A	N/A	N/A	1	N/A
Butyl Benzyl Phthalate	<0.0025	N/A	N/A	N/A	1	N/A
2-Chloronaphthalene	<0.0046	N/A	N/A	N/A	1	N/A
4-Chlorophenyl-Phenyl Ether	<0.0042	N/A	N/A	N/A	1	N/A
Chrysene	<0.0025	N/A	N/A	N/A	1	N/A
Dibenzo (A H) Anthracene	<0.0025	N/A	N/A	N/A	1	N/A
1,2-Dichlorobenzene	<0.004	N/A	N/A	N/A	1	N/A
1,3-Dichlorobenzene	<0.0031	N/A	N/A	N/A	1	N/A
1,4-Dichlorobenzene	<0.0044	N/A	N/A	N/A	1	N/A
3,3"-Dichlorobenzidine	<0.0165	N/A	N/A	N/A	1	N/A
Diethyl Phthalate	<0.0074	N/A	N/A	N/A	1	N/A
Dimethyl Phthalate	<0.0075	N/A	N/A	N/A	1	N/A
Di-N-Butyl Phthalate	<0.0064	N/A	N/A	N/A	1	N/A
2,4-Dinitrotoluene	<0.0057	N/A	N/A	N/A	1	N/A
2,6-Dinitrotoluene	<0.0034	N/A	N/A	N/A	1	N/A
Di-N-Octyl Phthalate	<0.0025	N/A	N/A	N/A	1	N/A
1,2-Diphenylhydrazine	<0.0088	N/A	N/A	N/A	1	N/A
Fluoranthene	<0.0022	N/A	N/A	N/A	1	N/A
Fluorene	<0.0022	N/A	N/A	N/A	1	N/A
Hexachlorobenzene	<0.0031	N/A	N/A	N/A	1	N/A
Hexachlorobutadiene	<0.0018	N/A	N/A	N/A	1	N/A
Hexachlorocyclopentadiene	<0.01	N/A	N/A	N/A	1	N/A
Hexachloroethane	<0.0024	N/A	N/A	N/A	1	N/A
Indeno (1,2,3-Cd) Pyrene	<0.0037	N/A	N/A	N/A	1	N/A
Isophorone	<0.0051	N/A	N/A	N/A	1	N/A
Naphthalene	<0.0038	N/A	N/A	N/A	1	N/A
Nitrobenzene	<0.0042	N/A	N/A	N/A	1	N/A
N-Nitrosodimethylamine	<0.0062	N/A	N/A	N/A	1	N/A
N-Nitroso-Di-N-Propylamine	<0.0036	N/A	N/A	N/A	1	N/A
N-Nitrosodiphenylamine	<0.0027	N/A	N/A	N/A	1	N/A
Phenanthrene	<0.0054	N/A	N/A	N/A	1	N/A
Pyrene	<0.0038	N/A	N/A	N/A	1	N/A
1,2,4-Trichlorobenzene	<0.0079	N/A	N/A	N/A	1	N/A
Aldrin	<0.00005	N/A	N/A	N/A	1	N/A
Alpha BHC	<0.00005	N/A	N/A	N/A	1	N/A

Outfalls 011, 014, 015, 016

Beta BHC	<0.00005	N/A	N/A	N/A	1	N/A
Gamma BHC	<0.00005	N/A	N/A	N/A	1	N/A
Delta BHC	<0.00005	N/A	N/A	N/A	1	N/A
Chlordane	<0.0002	N/A	N/A	N/A	1	N/A
4,4pr DDT	<0.0001	N/A	N/A	N/A	1	N/A
4,4pr DDE	<0.0001	N/A	N/A	N/A	1	N/A
4,4pr DDD	<0.0001	N/A	N/A	N/A	1	N/A
Dieldrin	<0.0001	N/A	N/A	N/A	1	N/A
Alpha-Endosulfan	<0.0001	N/A	N/A	N/A	1	N/A
Beta-Endosulfan	<0.0001	N/A	N/A	N/A	1	N/A
Endosulfan Sulfate	<0.0001	N/A	N/A	N/A	1	N/A
Endrin	<0.0001	N/A	N/A	N/A	1	N/A
Endrin Aldehyde	<0.0001	N/A	N/A	N/A	1	N/A
Heptachlor	<0.00005	N/A	N/A	N/A	1	N/A
Heptachlor-Epoxide	<0.0001	N/A	N/A	N/A	1	N/A
PCB 1242	<0.001	N/A	N/A	N/A	1	N/A
PCB 1254	<0.001	N/A	N/A	N/A	1	N/A
PCB 1221	<0.001	N/A	N/A	N/A	1	N/A
PCB 1232	<0.001	N/A	N/A	N/A	1	N/A
PCB 1248	<0.001	N/A	N/A	N/A	1	N/A
PCB 1260	<0.001	N/A	N/A	N/A	1	N/A
PCB 1016	<0.001	N/A	N/A	N/A	1	N/A
Toxaphene	<0.005	N/A	N/A	N/A	1	N/A
Kepone	<0.0001	N/A	N/A	N/A	1	N/A
Methoxychlor	<0.0001	N/A	N/A	N/A	1	N/A
Mirex	<0.0001	N/A	N/A	N/A	1	N/A
Tributyltin	<0.00003	N/A	N/A	N/A	1	N/A
Demeton	<0.001	N/A	N/A	N/A	1	N/A
Malathion	<0.001	N/A	N/A	N/A	1	N/A
Parathion	<0.001	N/A	N/A	N/A	1	N/A
Clorpyrifos	<0.0002	N/A	N/A	N/A	1	N/A
Guthion	<0.001	N/A	N/A	N/A	1	N/A
Hydrogen Sulfide	<0.05	N/A	N/A	N/A	1	N/A
Silvex	<0.0001	N/A	N/A	N/A	1	N/A
2,4-D	<0.0001	N/A	N/A	N/A	1	N/A
Hardness as CaCO3, Total	44.46	N/A	33.06	N/A	3	N/A
Chloride, Total	3.56	N/A	N/A	N/A	1	See Addendum to Form 2F
Antimony, Dissolved	<0.001	N/A	<0.001	N/A	3	N/A
Arsenic, Dissolved	<0.003	N/A	<0.003	N/A	3	N/A
Cadmium, Dissolved	<0.0003	N/A	<0.0003	N/A	3	N/A
Chromium, Dissolved	<0.001	N/A	<0.001	N/A	3	N/A
Copper, Dissolved	<0.002	N/A	<0.0017	N/A	3	N/A
Lead, Dissolved	<0.001	N/A	<0.001	N/A	3	N/A
Mercury, Dissolved	<0.0002	N/A	<0.0002	N/A	3	N/A
Nickel, Dissolved	<0.005	N/A	<0.005	N/A	3	N/A
Selenium, Dissolved	<0.003	N/A	<0.003	N/A	3	N/A
Silver, Dissolved	<0.0001	N/A	<0.0001	N/A	3	N/A
Thallium, Dissolved	<0.0002	N/A	<0.0002	N/A	3	N/A
Zinc, Dissolved	0.19	N/A	<0.01	N/A	3	See Addendum to Form 2F

Part D – Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample.

OUTFALL	1. Date of Storm Event	2. Duration of Storm Event (in minutes)	3. Total rainfall during storm event (in inches)	4. Number of hours between beginning of storm measured and end of previous measurable rain event	5. Maximum flow rate during event (gallons/minute)	6. Total flow from rain event (gallons)
003	NA Batch discharged	NA Batch discharged	NA Batch discharged	NA Batch discharged	2315	Estimated total discharge 10,000,800
004	2/22/2010	~ 420	0.19	~ 159	~ 1800	745,469
005	6/4/2009	~ 1,170	2.755	~ 101	~ 3500	4,020,761
007	6/4/2009	~ 1,170	2.755	~ 101	~ 850	957,502
011	6/4/2009	~ 1,170	2.755	~ 101	~ 650	759,269
013	6/4/2009	~ 1,170	2.755	~ 101	~ 985	1,148,255

Dominion requested and was granted a waiver from the requirement to collect flow-weighted composite samples. The data used to complete this section of Form 2F were generated in accordance with the Sampling Plan submitted to DEQ by letter dated March 9, 2009 and approved on July 1, 2009.

7. Provide a description of the method of flow measurement or estimate

Maximum flow during each storm event was estimated based on flow determined at the time of sampling. Total flow was estimated using spreadsheet developed by contractor that calculates total volume of discharge based on amount of rainfall, size of drainage area, and runoff coefficients.

EPA I.D. NUMBER= VA0083097

V. Intake and effluent characteristics (continued from page 3 of Form 2c) Outfall 009

Part A- You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

	2. Effluent A. MAXIMUM DAILY VALUE		B. MAXIMUM 30 DAY VALUE		C. LONG TERM AVRG. VALUE			3. Units	
	Concentration	Mass	Concentration	Mass	Concentration	Mass	No. of Analyses	Concentration	Mass
Biochemical Oxygen Demand	<2	<10.04738	.	.	.	.	1	PPM	LB/DAY
Chemical Oxygen Demand	60.38	303.3304022	.	.	.	.	1	PPM	LB/DAY
Total Organic Carbon	3	15.07107	.	.	.	.	1	PPM	LB/DAY
Total Suspended Solids	25.2	136.787902	15.7	53.3638	5.4319	16.9251	69	PPM	LB/DAY
Ammonia,total	22.8	114.540132	.	.	.	.	1	PPM	LB/DAY
Flow	0.953	.	0.634	.	0.3833	.	1066	MGD	.
Temperature (Winter)	7.2	.	6.5	.	6.5	.	4	DEGREES C	.
Temperature (Summer)	27.2	.	26.95	.	26.425	.	4	DEGREES C	.
pH	6.26 (min)	7.51 (max)	N/A	N/A	N/A	N/A	71	STD. UNITS	.

PART B.

	Mark X believed present	Mark X believed absent	2. Effluent A. MAXIMUM DAILY VALUE		B. MAXIMUM 30 DAY VALUE		C. LONG TERM AVRG. VALUE			3. Units	
			Concentration	Mass	Concentration	Mass	Concentration	Mass	No. of Analyses	Concentration	Mass
Bromide,total (24959-67-6)	X		236	1185.59084	.	.	.	.	1	PPM	LB/DAY
Chlorine, Total Residual		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Color	X		35	.	.	.	.	.	1	PCU	.
Fecal Coliform		X	No Sample	.	.	.	.	.	0	COL/100ML	.
Fluoride (16984-48-8)	X		1.125	5.65165125	.	.	.	.	1	PPM	LB/DAY
Nitrate + Nitrite	X		39.5	198.435755	.	.	.	.	1	PPM	LB/DAY

Item V-B Continued
Part C.

Outfall 009

1. POLLUTANT	Mark X believed present	Mark X believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	A. Mass	B. MAXIMUM 30 DAY VALUE Concentration	B. Mass	C. LONG TERM AVRG. VALUE Concentration	C. Mass	No. of Analyses	3. Units Concentration	Mass
Nitrogen, Total Org. (As N)	X		8	40.18952	.	.	.	.	1	PPM	LB/DAY
Oil & Grease	X		<5	<25.11845	.	.	.	.	1	PPM	LB/DAY
Phosphorus (As P), Total (07723-14-0)	X		<0.05	<0.2511845	.	.	.	.	1	PPM	LB/DAY
j. Radioactivity **********											
Alpha, Total	X		<20.5	.	.	.	.	.	1	PCI/LITER	.
Beta, Total	X		131	.	.	.	.	.	1	PCI/LITER	.
Radium,total		X	No Sample	.	.	.	.	.	0	PCI/LITER	.
Radium 226 , Total	X		<0.62	.	.	.	.	.	1	PCI/LITER	.
Sulfate (As So4) (14808-79-8)	X		1376.8	6916.616392	.	.	.	.	1	PPM	LB/DAY
Sulfide (As S)	X		<0.01	<0.0502369	.	.	.	.	1	PPM	LB/DAY
Sulfite (As So3) (14265-45-3)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Surfactants	X		0.313	1.57241497	.	.	.	.	1	PPM	LB/DAY
Aluminum,total (07429-90-5)	X		0.2	1.004738	.	.	.	.	1	PPM	LB/DAY
Barium,total (07440-39-3)	X		0.192	1.22250912	0.192	0.6045	0.1417	0.4463	3	PPM	LB/DAY
Boron,total (07440-42-8)	X		11.48	57.6719612	.	.	.	.	1	PPM	LB/DAY
Cobalt,total (07440-48-4)	X		0.02	0.1004738	.	.	.	.	1	PPM	LB/DAY
Iron,total (07439-89-6)	X		0.26	1.336869	0.26	0.7923	0.2067	0.6716	3	PPM	LB/DAY
Magnesium,total (07439-95-4)	X		649	3260.37481	.	.	.	.	1	PPM	LB/DAY
Molybdenum,total (07439-98-7)	X		0.552	2.77307688	.	.	.	.	1	PPM	LB/DAY
Manganese,total (07439-96-5)	X		25.82	129.7116758	25.82	78.6817	13.0633	41.5729	3	PPM	LB/DAY
Tin,total (07440-31-5)	X		0.036	0.18085284	.	.	.	.	1	PPM	LB/DAY
Titanium,total (07440-32-6)	X		<0.002	<0.01004738	.	.	.	.	1	PPM	LB/DAY

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Outfall 009

1. POLLUTANT	Mark X testing required	X believed present	X believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	Mass	B. MAXIMUM 30 DAY VALUE Concentration	Mass	C. LONG TERM AVRG. VALUE Concentration	Mass	No. of Analyses	3. Units Concentration	Mass
METALS, CYANIDE, AND TOTAL PHENOLS												
Antimony,total (07440-36-0)	X	X		<0.003	<0.01507107	<0.001	<0.0091	<0.0017	<0.0053	3	PPM	LB/DAY
Arsenic,total (07440-38-2)	X	X		<0.033	<0.16578177	<0.003	<0.1006	<0.013	<0.0403	3	PPM	LB/DAY
Beryllium,total (07440-41-7)	X	X		0.0004	0.002009476	.	.	.	.	1	PPM	LB/DAY
Cadmium,total (07440-43-9)	X	X		<0.0021	<0.010549749	<0.0003	<0.0064	<0.001	<0.003	3	PPM	LB/DAY
Chromium,total (07440-47-3)	X	X		<0.002	<0.01004738	<0.001	<0.0061	<0.0013	<0.0043	3	PPM	LB/DAY
Copper,total (07440-50-8)	X	X		<0.001	<0.00742705	<0.001	<0.0036	<0.001	<0.0033	3	PPM	LB/DAY
Lead,total (07439-92-1)	X	X		<0.002	<0.01273447	<0.001	<0.0063	<0.0013	<0.0043	3	PPM	LB/DAY
Mercury,total (07439-97-6)	X	X		<0.0002	<0.00148541	<0.0002	<0.0007	<0.0002	<0.0007	3	PPM	LB/DAY
Nickel,total (07440-02-0)	X	X		0.108	0.54255852	0.108	0.3291	0.0553	0.1765	3	PPM	LB/DAY
Selenium,total (07782-49-2)	X	X		0.011	0.0742705	0.011	0.0364	0.009	0.0296	3	PPM	LB/DAY
Silver,total (07440-22-4)	X	X		<0.0001	<0.000742705	<0.0001	<0.0004	<0.0001	<0.0003	3	PPM	LB/DAY
Thallium,total (07440-28-0)	X	X		0.001	0.0057305115	0.001	0.003	0.0009	0.0028	3	PPM	LB/DAY
Zinc,total (07440-66-6)	X	X		0.164	0.82388516	0.164	0.4998	0.0647	0.2009	3	PPM	LB/DAY
Cyanide , Total (00057-12-5)	X	X		<0.01	<0.0502369	.	.	.	.	1	PPM	LB/DAY
Total Phenols	X	X		0.2	1.004738	.	.	.	.	1	PPM	LB/DAY
DIOXIN												
Dioxin Screen			X	No Sample	.	.	.	.	.	.	PPM	LB/DAY

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Outfall 009

1. POLLUTANT	Mark X testing required	believed present	believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	Mass	B. MAXIMUM 30 DAY VALUE Concentration	Mass	C. LONG TERM AVRG. VALUE Concentration	Mass	No. of Analyses	3. Units Concentration	Mass
GCMS FRACTION - VOLATILE COMPOUNDS												
Acrolein (00107-02-8)	X	X		<0.01	<0.0502369	.	.	.	.	1	PPM	LB/DAY
Acrylonitrile (00107-13-1)	X	X		<0.0015	<0.007535535	.	.	.	.	1	PPM	LB/DAY
Benzene (00071-43-2)	X	X		<0.0044	<0.022104236	.	.	.	.	1	PPM	LB/DAY
BIS (Chloromethyl) Ether (542-88-1)			X	No Sample Required		No Sample Required		No Sample Required				
Bromoform (00075-25-2)	X	X		<0.0047	<0.023611343	.	.	.	.	1	PPM	LB/DAY
Carbon Tetrachloride (00056-23-5)	X	X		<0.0028	<0.014066332	.	.	.	.	1	PPM	LB/DAY
Chlorobenzene (00108-90-7)	X	X		<0.006	<0.03014214	.	.	.	.	1	PPM	LB/DAY
Chlorodibromomethane (00124-48-1)	X	X		<0.0031	<0.015573439	.	.	.	.	1	PPM	LB/DAY
Chloroethane (00075-00-3)	X	X		<0.0011	<0.005526059	.	.	.	.	1	PPM	LB/DAY
2-Chloroethylvinyl Ether (00110-75-8)	X	X		<0.0012	<0.006028428	.	.	.	.	1	PPM	LB/DAY
Chloroform (00067-66-3)	X	X		<0.0016	<0.008037904	.	.	.	.	1	PPM	LB/DAY
Dichlorobromomethane (00075-27-4)	X	X		<0.0022	<0.011052118	.	.	.	.	1	PPM	LB/DAY
Dichlorodifluormethane (75-71-8)			X	No Sample Required		No Sample Required		No Sample Required				
1,1-Dichloroethane (00075-34-3)	X	X		<0.0047	<0.023611343	.	.	.	.	1	PPM	LB/DAY
1,2-Dichloroethane (00107-06-2)	X	X		<0.0028	<0.014066332	.	.	.	.	1	PPM	LB/DAY
1,1-Dichloroethylene (00075-35-4)	X	X		<0.0028	<0.014066332	.	.	.	.	1	PPM	LB/DAY
1,2-Dichloropropane (00078-87-5)	X	X		<0.006	<0.03014214	.	.	.	.	1	PPM	LB/DAY
1,3-Dichloropropylene (10061-02-6)	X	X		<0.005	<0.02511845	.	.	.	.	1	PPM	LB/DAY
Ethyl Benzene (00100-41-4)	X	X		<0.0072	<0.036170568	.	.	.	.	1	PPM	LB/DAY
Methyl Bromide (00074-83-9)	X	X		<0.0014	<0.007033166	.	.	.	.	1	PPM	LB/DAY
Methyl Chloride (00074-87-3)	X	X		<0.0011	<0.005526059	.	.	.	.	1	PPM	LB/DAY

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Outfall 009

1. POLLUTANT	Mark X testing required	Mark X believed present	Mark X believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	A. Mass	B. MAXIMUM 30 DAY VALUE Concentration	B. Mass	C. LONG TERM AVRG. VALUE Concentration	C. Mass	No. of Analyses	3. Units Concentration	Mass
GCMS FRACTION-VOLATILE COMPOUNDS (CONT.)												
Methylene Chloride (00075-09-2)	X	X		<0.0028	<0.014066332	.	.	.	.	1	PPM	LB/DAY
1,1,2,2-Tetrachloroethane (00079-34-5)	X	X		<0.0069	<0.034663461	.	.	.	.	1	PPM	LB/DAY
Tetrachloroethylene (00127-18-4)	X	X		<0.0041	<0.020597129	.	.	.	.	1	PPM	LB/DAY
Toluene (00108-88-3)	X	X		<0.006	<0.03014214	.	.	.	.	1	PPM	LB/DAY
1,2-Trans-Dichloroethylene (00156-60-5)	X	X		<0.0016	<0.008037904	.	.	.	.	1	PPM	LB/DAY
1,1,1-Trichloroethane (00071-55-6)	X	X		<0.0038	<0.019090022	.	.	.	.	1	PPM	LB/DAY
1,1,2-Trichloroethane (00079-00-5)	X	X		<0.005	<0.02511845	.	.	.	.	1	PPM	LB/DAY
Trichloroethylene (00079-01-6)	X	X		<0.0019	<0.009545011	.	.	.	.	1	PPM	LB/DAY
Trichlorofluoromethane (75-69-4)			X	No Sample Required		No Sample Required		No Sample Required				
Vinyl Chloride (00075-01-4)	X	X		<0.0018	<0.009042642	.	.	.	.	1	PPM	LB/DAY
GCMS FRACTION - ACID COMPOUNDS												
2-Chlorophenol (00095-57-8)	X	X		<0.0033	<0.016578177	.	.	.	.	1	PPM	LB/DAY
2,4-Dichlorophenol (00120-83-2)	X	X		<0.0056	<0.028132664	.	.	.	.	1	PPM	LB/DAY
2,4-Dimethylphenol (00105-67-9)	X	X		<0.0052	<0.026123188	.	.	.	.	1	PPM	LB/DAY
4,6-Dinitro-O-Cresol (00534-52-1)	X	X		<0.024	<0.12056856	.	.	.	.	1	PPM	LB/DAY
2,4-Dinitrophenol (00051-28-5)	X	X		<0.042	<0.21099498	.	.	.	.	1	PPM	LB/DAY
2-Nitrophenol (00088-75-5)	X	X		<0.0036	<0.018085284	.	.	.	.	1	PPM	LB/DAY
4-Nitrophenol (00100-02-7)	X	X		<0.0024	<0.012056856	.	.	.	.	1	PPM	LB/DAY
P-Chloro-M-Cresol (00059-50-7)	X	X		<0.0075	<0.037677675	.	.	.	.	1	PPM	LB/DAY
Pentachlorophenol (00087-86-5)	X	X		<0.0036	<0.018085284	.	.	.	.	1	PPM	LB/DAY
Phenol (00108-95-2)	X	X		<0.0027	<0.013563963	.	.	.	.	1	PPM	LB/DAY
2,4,6-Trichlorophenol (00088-06-2)	X	X		<0.0027	<0.013563963	.	.	.	.	1	PPM	LB/DAY

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Outfall 009

1. POLLUTANT	Mark X testing required	believed present	believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	Mass	B. MAXIMUM 30 DAY VALUE Concentration	Mass	C. LONG TERM AVRG. VALUE Concentration	Mass	No. of Analyses	3. Units Concentration	Mass
GCMS FRACTION - BASE/NEUTRAL COMPOUNDS												
Acenaphthene (00083-32-9)	X	X		<0.003	<0.01507107	.	.	.	.	1	PPM	LB/DAY
Acenaphthylene (00208-96-8)	X	X		<0.0035	<0.017582915	.	.	.	.	1	PPM	LB/DAY
Anthracene (00120-12-7)	X	X		<0.0019	<0.009545011	.	.	.	.	1	PPM	LB/DAY
Benzidine (00092-87-5)	X	X		<0.063	<0.31649247	.	.	.	.	1	PPM	LB/DAY
Benzo (A) Anthracene (00056-55-3)	X	X		<0.0078	<0.039184782	.	.	.	.	1	PPM	LB/DAY
Benzo (A) Pyrene (00050-32-8)	X	X		<0.0025	<0.012559225	.	.	.	.	1	PPM	LB/DAY
3,4-Benzofluoranthene (00205-99-2)	X	X		<0.0048	<0.024113712	.	.	.	.	1	PPM	LB/DAY
Benzo (G H I) Perylene (00191-24-2)	X	X		<0.0041	<0.020597129	.	.	.	.	1	PPM	LB/DAY
Benzo (K) Fluoranthene (00207-08-9)	X	X		<0.0025	<0.012559225	.	.	.	.	1	PPM	LB/DAY
Bis(2-Chloroethoxy) Methane (00111-91-1)	X	X		<0.0053	<0.026625557	.	.	.	.	1	PPM	LB/DAY
Bis(-2-Chloroethyl) Ether (00111-44-4)	X	X		<0.0057	<0.028635033	.	.	.	.	1	PPM	LB/DAY
Bis(2-Chloroisopropyl) Ether (00108-60-1)	X	X		<0.0057	<0.028635033	.	.	.	.	1	PPM	LB/DAY
Bis(2-Ethylhexyl) Phthalate (00117-81-7)	X	X		<0.0025	<0.012559225	.	.	.	.	1	PPM	LB/DAY
4-Bromophenyl-Phenyl Ether (00101-55-3)	X	X		<0.003	<0.01507107	.	.	.	.	1	PPM	LB/DAY
Butyl Benzyl Phthalate (00085-68-7)	X	X		<0.0025	<0.012559225	.	.	.	.	1	PPM	LB/DAY
2-Chloronaphthalene (00091-58-7)	X	X		<0.0046	<0.023108974	.	.	.	.	1	PPM	LB/DAY
4-Chlorophenyl-Phenyl Ether (07005-72-3)	X	X		<0.0042	<0.021099498	.	.	.	.	1	PPM	LB/DAY
Chrysene (00218-01-9)	X	X		<0.0025	<0.012559225	.	.	.	.	1	PPM	LB/DAY
Dibenzo (A H) Anthracene (00053-70-3)	X	X		<0.0025	<0.012559225	.	.	.	.	1	PPM	LB/DAY
1,2-Dichlorobenzene (00095-50-1)	X	X		<0.004	<0.02009476	.	.	.	.	1	PPM	LB/DAY
1,3-Dichlorobenzene (00541-73-1)	X	X		<0.0031	<0.015573439	.	.	.	.	1	PPM	LB/DAY

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Outfall 009

1. POLLUTANT	Mark X testing required	believed present	believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	Mass	B. MAXIMUM 30 DAY VALUE Concentration	Mass	C. LONG TERM AVRG. VALUE Concentration	Mass	No. of Analyses	3. Units Concentration	Mass
GCMS FRACTION - BASE/NEUTRAL COMP.(CONT)												
1,4-Dichlorobenzene (00106-46-7)	X	X		<0.0044	<0.022104236	.	.	.	.	1	PPM	LB/DAY
3,3'-Dichlorobenzidine (00091-94-1)	X	X		<0.0165	<0.082890885	.	.	.	.	1	PPM	LB/DAY
Diethyl Phthalate (00084-66-2)	X	X		<0.0074	<0.037175306	.	.	.	.	1	PPM	LB/DAY
Dimethyl Phthalate (00131-11-3)	X	X		<0.0075	<0.037677675	.	.	.	.	1	PPM	LB/DAY
Di-N-Butyl Phthalate (00084-74-2)	X	X		<0.0064	<0.032151616	.	.	.	.	1	PPM	LB/DAY
2,4-Dinitrotoluene (00121-14-2)	X	X		<0.0057	<0.028635033	.	.	.	.	1	PPM	LB/DAY
2,6-Dinitrotoluene (00606-20-2)	X	X		<0.0034	<0.017080546	.	.	.	.	1	PPM	LB/DAY
Di-N-Octyl Phthalate (00117-84-0)	X	X		<0.0025	<0.012559225	.	.	.	.	1	PPM	LB/DAY
1,2-Diphenylhydrazine (00122-66-7)	X	X		<0.0088	<0.044208472	.	.	.	.	1	PPM	LB/DAY
Fluoranthene (00206-44-0)	X	X		<0.0022	<0.011052118	.	.	.	.	1	PPM	LB/DAY
Fluorene (00086-73-7)	X	X		<0.0022	<0.011052118	.	.	.	.	1	PPM	LB/DAY
Hexachlorobenzene (00118-74-1)	X	X		<0.0031	<0.015573439	.	.	.	.	1	PPM	LB/DAY
Hexachlorobutadiene (00087-68-3)	X	X		<0.0018	<0.009042642	.	.	.	.	1	PPM	LB/DAY
Hexachlorocyclopentadiene (00077-47-4)	X	X		<0.01	<0.0502369	.	.	.	.	1	PPM	LB/DAY
Hexachloroethane (00067-72-1)	X	X		<0.0024	<0.012056856	.	.	.	.	1	PPM	LB/DAY
Indeno (1,2,3-Cd) Pyrene (00193-39-5)	X	X		<0.0037	<0.018587653	.	.	.	.	1	PPM	LB/DAY
Isophorone (00078-59-1)	X	X		<0.0051	<0.025620819	.	.	.	.	1	PPM	LB/DAY
Naphthalene (00091-20-3)	X	X		<0.0038	<0.019090022	.	.	.	.	1	PPM	LB/DAY
Nitrobenzene (00098-95-3)	X	X		<0.0042	<0.021099498	.	.	.	.	1	PPM	LB/DAY
N-Nitrosodimethylamine (00062-75-9)	X	X		<0.0062	<0.031146878	.	.	.	.	1	PPM	LB/DAY
N-Nitroso-Di-N-Propylamine (00621-64-7)	X	X		<0.0036	<0.018085284	.	.	.	.	1	PPM	LB/DAY

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Outfall 009

1. POLLUTANT	Mark X testing required	Mark X believed present	Mark X believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	A. Mass	B. MAXIMUM 30 DAY VALUE Concentration	B. Mass	C. LONG TERM AVRG. VALUE Concentration	C. Mass	No. of Analyses	3. Units Concentration	Mass
GCMS FRACTION - BASE/NEUTRAL COMP (CONT)												
N-Nitrosodiphenylamine (00086-30-6)	X	X		<0.0027	<0.013563963	.	.	.	.	1	PPM	LB/DAY
Phenanthrene (00085-01-8)	X	X		<0.0054	<0.027127926	.	.	.	.	1	PPM	LB/DAY
Pyrene (00129-00-0)	X	X		<0.0038	<0.019090022	.	.	.	.	1	PPM	LB/DAY
1,2,4-Trichlorobenzene (00120-82-1)	X	X		<0.0079	<0.039687151	.	.	.	.	1	PPM	LB/DAY
GCMS FRACTION - PESTICIDES												
Aldrin (00309-00-2)	X	X		<0.00005	<0.0002511845	.	.	.	.	1	PPM	LB/DAY
Alpha BHC (00319-84-6)	X	X		<0.00005	<0.0002511845	.	.	.	.	1	PPM	LB/DAY
Beta BHC (00319-85-7)	X	X		<0.00005	<0.0002511845	.	.	.	.	1	PPM	LB/DAY
Gamma BHC (00058-89-9)	X	X		<0.00005	<0.0002511845	.	.	.	.	1	PPM	LB/DAY
Delta BHC (00319-86-8)	X	X		<0.00005	<0.0002511845	.	.	.	.	1	PPM	LB/DAY
Chlordane (00057-74-9)	X	X		<0.0002	<0.001004738	.	.	.	.	1	PPM	LB/DAY
4,4pr DDT (00050-29-3)	X	X		<0.0001	<0.000502369	.	.	.	.	1	PPM	LB/DAY
4,4pr DDE (00072-55-9)	X	X		<0.0001	<0.000502369	.	.	.	.	1	PPM	LB/DAY
4,4pr DDD (00072-54-8)	X	X		<0.0001	<0.000502369	.	.	.	.	1	PPM	LB/DAY
Dieldrin (00060-57-1)	X	X		<0.0001	<0.000502369	.	.	.	.	1	PPM	LB/DAY
Alpha-Endosulfan (00115-29-7)	X	X		<0.0001	<0.000502369	.	.	.	.	1	PPM	LB/DAY
Beta-Endosulfan (00115-29-7)	X	X		<0.0001	<0.000502369	.	.	.	.	1	PPM	LB/DAY
Endosulfan Sulfate (01031-07-8)	X	X		<0.0001	<0.000502369	.	.	.	.	1	PPM	LB/DAY
Endrin (00072-20-8)	X	X		<0.0001	<0.000502369	.	.	.	.	1	PPM	LB/DAY
Endrin Aldehyde (07421-93-4)	X	X		<0.0001	<0.000502369	.	.	.	.	1	PPM	LB/DAY
Heptachlor (00076-44-8)	X	X		<0.00005	<0.0002511845	.	.	.	.	1	PPM	LB/DAY

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Outfall 009

1. POLLUTANT	Mark X testing required	Mark X believed present	Mark X believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	A. Mass	B. MAXIMUM 30 DAY VALUE Concentration	B. Mass	C. LONG TERM AVRG. VALUE Concentration	C. Mass	No. of Analyses	3. Units Concentration	Mass
GCMS FRACTION - PESTICIDES (CONTINUED)												
Heptachlor-Epoxide (01024-57-3)	X	X		<0.0001	<0.000502369	.	.	.	.	1	PPM	LB/DAY
PCB 1242 (53469-21-9)	X	X		<0.001	<0.00502369	.	.	.	.	1	PPM	LB/DAY
PCB 1254 (11097-69-1)	X	X		<0.001	<0.00502369	.	.	.	.	1	PPM	LB/DAY
PCB 1221 (11104-28-2)	X	X		<0.001	<0.00502369	.	.	.	.	1	PPM	LB/DAY
PCB 1232 (11141-16-5)	X	X		<0.001	<0.00502369	.	.	.	.	1	PPM	LB/DAY
PCB 1248 (12672-29-6)	X	X		<0.001	<0.00502369	.	.	.	.	1	PPM	LB/DAY
PCB 1260 (11096-82-5)	X	X		<0.001	<0.00502369	.	.	.	.	1	PPM	LB/DAY
PCB 1016 (12674-11-2)	X	X		<0.001	<0.00502369	.	.	.	.	1	PPM	LB/DAY
Toxaphene (08001-35-2)	X	X		<0.005	<0.02511845	.	.	.	.	1	PPM	LB/DAY

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Outfall 009

	Mark X testing required	believed present	believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	Mass	B. MAXIMUM 30 DAY VALUE Concentration	Mass	C. LONG TERM AVRG. VALUE Concentration	Mass	No. of Analyses	3. Units Concentration	Mass
MISCELLANEOUS ATTACHMENT A PARAMETERS												
Kepone (00143-50-0)	X			<0.0001	<0.000502369	.	.	.	.	1	PPM	LB/DAY
Methoxychlor (00072-43-5)	X			<0.0001	<0.000502369	.	.	.	.	1	PPM	LB/DAY
Mirex (02385-85-5)	X			<0.0001	<0.000502369	.	.	.	.	1	PPM	LB/DAY
Tributyltin (00688-73-3)	X			<0.00003	<0.0001507107	.	.	.	.	1	PPM	LB/DAY
Demeton (08065-48-3)	X			<0.001	<0.00502369	.	.	.	.	1	PPM	LB/DAY
Malathion (00121-75-5)	X			<0.001	<0.00502369	.	.	.	.	1	PPM	LB/DAY
Parathion (00056-38-2)	X			<0.001	<0.00502369	.	.	.	.	1	PPM	LB/DAY
Chlorpyrifos (02921-88-2)	X			<0.0002	<0.001004738	.	.	.	.	1	PPM	LB/DAY
Guthion (00086-50-0)	X			<0.001	<0.00502369	.	.	.	.	1	PPM	LB/DAY
Hydrogen Sulfide (07783-06-4)	X			<0.05	<0.2511845	.	.	.	.	1	PPM	LB/DAY
Strontium 90	X			<1.48	<7.4350612	.	.	.	.	1	PCI/LITER	.
Silvex (00093-72-1)	X			<0.0001	<0.000502369	.	.	.	.	1	PPM	LB/DAY
2,4-D (00094-75-7)	X			<0.0001	<0.000502369	.	.	.	.	1	PPM	LB/DAY
Tritium	X			<208	.	.	.	.	.	1	PCI/LITER	.
Total Hardness As Caco3	X			5814	33655.677075	5814	17717.0943	4588.5	14998.7469	3	PPM	LB/DAY
Chloride,total	X			3484.84	17506.7558596	.	.	.	.	1	PPM	LB/DAY
Chromium 6 As Cr	X			<0.01	<0.0742705	<0.01	<0.0364	<0.01	<0.0328	3	PPM	LB/DAY
Antimony, Dissolved	X			<0.003	<0.01507107	<0.001	<0.0091	<0.0017	<0.0053	3	PPM	LB/DAY
Arsenic, Dissolved	X			<0.03	<0.1507107	<0.003	<0.0914	<0.012	<0.0373	3	PPM	LB/DAY
Cadmium, Dissolved	X			<0.0022	<0.011052118	<0.0003	<0.0067	<0.001	<0.003	3	PPM	LB/DAY
Chromium, Dissolved	X			<0.002	<0.01004738	<0.001	<0.0061	<0.0013	<0.0043	3	PPM	LB/DAY
Copper, Dissolved	X			<0.001	<0.00742705	<0.001	<0.0036	<0.001	<0.0033	3	PPM	LB/DAY
Lead, Dissolved	X			<0.001	<0.00742705	<0.001	<0.0036	<0.001	<0.0033	3	PPM	LB/DAY
Mercury, Dissolved	X			<0.0002	<0.00148541	<0.0002	<0.0007	<0.0002	<0.0007	3	PPM	LB/DAY
Nickel, Dissolved	X			0.098	0.49232162	0.098	0.2986	0.0517	0.1648	3	PPM	LB/DAY
Selenium, Dissolved	X			0.009	0.06684345	0.009	0.0328	0.0057	0.0192	3	PPM	LB/DAY
Silver, Dissolved	X			<0.0001	<0.000742705	<0.0001	<0.0004	<0.0001	<0.0003	3	PPM	LB/DAY
Thallium, Dissolved	X			0.0005	0.0031836175	0.0005	0.0016	0.0004	0.0014	3	PPM	LB/DAY
Zinc, Dissolved	X			0.155	0.77867195	0.155	0.4723	0.063	0.1964	3	PPM	LB/DAY

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Outfall 001

1. POLLUTANT	Mark X testing required	Mark X believed present	Mark X believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	A. Mass	B. MAXIMUM 30 DAY VALUE Concentration	B. Mass	C. LONG TERM AVRG. VALUE Concentration	C. Mass	No. of Analyses	3. Units Concentration	Mass
METALS, CYANIDE, AND TOTAL PHENOLS												
Antimony,total (07440-36-0)	X	X		<0.001	<0.010723325	.	.	.	.	1	PPM	LB/DAY
Arsenic,total (07440-38-2)	X	X		0.011	0.117956575	.	.	.	.	1	PPM	LB/DAY
Beryllium,total (07440-41-7)	X	X		<0.0002	<0.002144665	.	.	.	.	1	PPM	LB/DAY
Cadmium,total (07440-43-9)	X	X		<0.0003	<0.0032169975	.	.	.	.	1	PPM	LB/DAY
Chromium,total (07440-47-3)	X	X		0.003	0.032169975	.	.	.	.	1	PPM	LB/DAY
Copper,total (07440-50-8)	X	X		0.008	0.0857866	.	.	.	.	1	PPM	LB/DAY
Lead,total (07439-92-1)	X	X		<0.001	<0.010723325	.	.	.	.	1	PPM	LB/DAY
Mercury,total (07439-97-6)	X	X		<0.0002	<0.002144665	.	.	.	.	1	PPM	LB/DAY
Nickel,total (07440-02-0)	X	X		<0.005	<0.053616625	.	.	.	.	1	PPM	LB/DAY
Selenium,total (07782-49-2)	X	X		<0.003	<0.032169975	.	.	.	.	1	PPM	LB/DAY
Silver,total (07440-22-4)	X	X		<0.0001	<0.0010723325	.	.	.	.	1	PPM	LB/DAY
Thallium,total (07440-28-0)	X	X		<0.0002	<0.002144665	.	.	.	.	1	PPM	LB/DAY
Zinc,total (07440-66-6)	X	X		<0.01	<0.10723325	.	.	.	.	1	PPM	LB/DAY
Cyanide , Total (00057-12-5)	X	X		<0.01	<0.10723325	.	.	.	.	1	PPM	LB/DAY
Total Phenols	X	X		0.03	0.32169975	.	.	.	.	1	PPM	LB/DAY
DIOXIN												
Dioxin Screen			X	No Sample	.	.	.	.	.	.	PPM	LB/DAY

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Outfall 001

1. POLLUTANT	Mark X testing required	Mark X believed present	Mark X believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	A. Mass	B. MAXIMUM 30 DAY VALUE Concentration	B. Mass	C. LONG TERM AVRG. VALUE Concentration	C. Mass	No. of Analyses	3. Units Concentration	Mass
GCMS FRACTION - VOLATILE COMPOUNDS												
Acrolein (00107-02-8)	X	X		<0.01	<0.10723325	.	.	.	.	1	PPM	LB/DAY
Acrylonitrile (00107-13-1)	X	X		<0.0015	<0.0160849875	.	.	.	.	1	PPM	LB/DAY
Benzene (00071-43-2)	X	X		<0.0044	<0.04718263	.	.	.	.	1	PPM	LB/DAY
BIS (Chloromethyl) Ether (542-88-1)			X	No Sample Required		No Sample Required		No Sample Required				
Bromoform (00075-25-2)	X	X		<0.0047	<0.0503996275	.	.	.	.	1	PPM	LB/DAY
Carbon Tetrachloride (00056-23-5)	X	X		<0.0028	<0.03002531	.	.	.	.	1	PPM	LB/DAY
Chlorobenzene (00108-90-7)	X	X		<0.006	<0.06433995	.	.	.	.	1	PPM	LB/DAY
Chlorodibromomethane (00124-48-1)	X	X		<0.0031	<0.0332423075	.	.	.	.	1	PPM	LB/DAY
Chloroethane (00075-00-3)	X	X		<0.0011	<0.0117956575	.	.	.	.	1	PPM	LB/DAY
2-Chloroethylvinyl Ether (00110-75-8)	X	X		<0.0012	<0.01286799	.	.	.	.	1	PPM	LB/DAY
Chloroform (00067-66-3)	X	X		<0.0016	<0.01715732	.	.	.	.	1	PPM	LB/DAY
Dichlorobromomethane (00075-27-4)	X	X		<0.0022	<0.023591315	.	.	.	.	1	PPM	LB/DAY
Dichlorodifluormethane (75-71-8)			X	No Sample Required		No Sample Required		No Sample Required				
1,1-Dichloroethane (00075-34-3)	X	X		<0.0047	<0.0503996275	.	.	.	.	1	PPM	LB/DAY
1,2-Dichloroethane (00107-06-2)	X	X		<0.0028	<0.03002531	.	.	.	.	1	PPM	LB/DAY
1,1-Dichloroethylene (00075-35-4)	X	X		<0.0028	<0.03002531	.	.	.	.	1	PPM	LB/DAY
1,2-Dichloropropane (00078-87-5)	X	X		<0.006	<0.06433995	.	.	.	.	1	PPM	LB/DAY
1,3-Dichloropropylene (10061-02-6)	X	X		<0.005	<0.053616625	.	.	.	.	1	PPM	LB/DAY
Ethyl Benzene (00100-41-4)	X	X		<0.0072	<0.07720794	.	.	.	.	1	PPM	LB/DAY
Methyl Bromide (00074-83-9)	X	X		<0.0014	<0.015012655	.	.	.	.	1	PPM	LB/DAY
Methyl Chloride (00074-87-3)	X	X		<0.0011	<0.0117956575	.	.	.	.	1	PPM	LB/DAY

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Outfall 001

1. POLLUTANT	Mark X testing required	believed present	believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	Mass	B. MAXIMUM 30 DAY VALUE Concentration	Mass	C. LONG TERM AVRG. VALUE Concentration	Mass	No. of Analyses	3. Units Concentration	Mass
GCMS FRACTION-VOLATILE COMPOUNDS (CONT.)												
Methylene Chloride (00075-09-2)	X	X		<0.0028	<0.03002531	.	.	.	.	1	PPM	LB/DAY
1,1,2,2-Tetrachloroethane (00079-34-5)	X	X		<0.0069	<0.0739909425	.	.	.	.	1	PPM	LB/DAY
Tetrachloroethylene (00127-18-4)	X	X		<0.0041	<0.0439656325	.	.	.	.	1	PPM	LB/DAY
Toluene (00108-88-3)	X	X		<0.006	<0.06433995	.	.	.	.	1	PPM	LB/DAY
1,2-Trans-Dichloroethylene (00156-60-5)	X	X		<0.0016	<0.01715732	.	.	.	.	1	PPM	LB/DAY
1,1,1-Trichloroethane (00071-55-6)	X	X		<0.0038	<0.040748635	.	.	.	.	1	PPM	LB/DAY
1,1,2-Trichloroethane (00079-00-5)	X	X		<0.005	<0.053616625	.	.	.	.	1	PPM	LB/DAY
Trichloroethylene (00079-01-6)	X	X		<0.0019	<0.0203743175	.	.	.	.	1	PPM	LB/DAY
Trichlorofluoromethane (75-69-4)			X	No Sample Required		No Sample Required		No Sample Required				
Vinyl Chloride (00075-01-4)	X	X		<0.0018	<0.019301985	.	.	.	.	1	PPM	LB/DAY
GCMS FRACTION - ACID COMPOUNDS												
2-Chlorophenol (00095-57-8)	X	X		<0.0033	<0.0353869725	.	.	.	.	1	PPM	LB/DAY
2,4-Dichlorophenol (00120-83-2)	X	X		<0.0056	<0.06005062	.	.	.	.	1	PPM	LB/DAY
2,4-Dimethylphenol (00105-67-9)	X	X		<0.0052	<0.05576129	.	.	.	.	1	PPM	LB/DAY
4,6-Dinitro-O-Cresol (00534-52-1)	X	X		<0.024	<0.2573598	.	.	.	.	1	PPM	LB/DAY
2,4-Dinitrophenol (00051-28-5)	X	X		<0.042	<0.45037965	.	.	.	.	1	PPM	LB/DAY
2-Nitrophenol (00088-75-5)	X	X		<0.0036	<0.03860397	.	.	.	.	1	PPM	LB/DAY
4-Nitrophenol (00100-02-7)	X	X		<0.0024	<0.02573598	.	.	.	.	1	PPM	LB/DAY
P-Chloro-M-Cresol (00059-50-7)	X	X		<0.0075	<0.0804249375	.	.	.	.	1	PPM	LB/DAY
Pentachlorophenol (00087-86-5)	X	X		<0.0036	<0.03860397	.	.	.	.	1	PPM	LB/DAY
Phenol (00108-95-2)	X	X		<0.0027	<0.0289529775	.	.	.	.	1	PPM	LB/DAY
2,4,6-Trichlorophenol (00088-06-2)	X	X		<0.0027	<0.0289529775	.	.	.	.	1	PPM	LB/DAY

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Outfall 001

1. POLLUTANT	Mark X testing required	believed present	believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	Mass	B. MAXIMUM 30 DAY VALUE Concentration	Mass	C. LONG TERM AVRG. VALUE Concentration	Mass	No. of Analyses	3. Units Concentration	Mass
GCMS FRACTION - BASE/NEUTRAL COMPOUNDS												
Acenaphthene (00083-32-9)	X	X		<0.003	<0.032169975	.	.	.	.	1	PPM	LB/DAY
Acenaphthylene (00208-96-8)	X	X		<0.0035	<0.0375316375	.	.	.	.	1	PPM	LB/DAY
Anthracene (00120-12-7)	X	X		<0.0019	<0.0203743175	.	.	.	.	1	PPM	LB/DAY
Benzidine (00092-87-5)	X	X		<0.063	<0.675569475	.	.	.	.	1	PPM	LB/DAY
Benzo (A) Anthracene (00056-55-3)	X	X		<0.0078	<0.083641935	.	.	.	.	1	PPM	LB/DAY
Benzo (A) Pyrene (00050-32-8)	X	X		<0.0025	<0.0268083125	.	.	.	.	1	PPM	LB/DAY
3,4-Benzofluoranthene (00205-99-2)	X	X		<0.0048	<0.05147196	.	.	.	.	1	PPM	LB/DAY
Benzo (G H I) Perylene (00191-24-2)	X	X		<0.0041	<0.0439656325	.	.	.	.	1	PPM	LB/DAY
Benzo (K) Fluoranthene (00207-08-9)	X	X		<0.0025	<0.0268083125	.	.	.	.	1	PPM	LB/DAY
Bis(2-Chloroethoxy) Methane (00111-91-1)	X	X		<0.0053	<0.0568336225	.	.	.	.	1	PPM	LB/DAY
Bis(-2-Chloroethyl) Ether (00111-44-4)	X	X		<0.0057	<0.0611229525	.	.	.	.	1	PPM	LB/DAY
Bis(2-Chloroisopropyl) Ether (00108-60-1)	X	X		<0.0057	<0.0611229525	.	.	.	.	1	PPM	LB/DAY
Bis(2-Ethylhexyl) Phthalate (00117-81-7)	X	X		<0.0025	<0.0268083125	.	.	.	.	1	PPM	LB/DAY
4-Bromophenyl-Phenyl Ether (00101-55-3)	X	X		<0.003	<0.032169975	.	.	.	.	1	PPM	LB/DAY
Butyl Benzyl Phthalate (00085-68-7)	X	X		<0.0025	<0.0268083125	.	.	.	.	1	PPM	LB/DAY
2-Chloronaphthalene (00091-58-7)	X	X		<0.0046	<0.049327295	.	.	.	.	1	PPM	LB/DAY
4-Chlorophenyl-Phenyl Ether (07005-72-3)	X	X		<0.0042	<0.045037965	.	.	.	.	1	PPM	LB/DAY
Chrysene (00218-01-9)	X	X		<0.0025	<0.0268083125	.	.	.	.	1	PPM	LB/DAY
Dibenzo (A H) Anthracene (00053-70-3)	X	X		<0.0025	<0.0268083125	.	.	.	.	1	PPM	LB/DAY
1,2-Dichlorobenzene (00095-50-1)	X	X		<0.004	<0.0428933	.	.	.	.	1	PPM	LB/DAY
1,3-Dichlorobenzene (00541-73-1)	X	X		<0.0031	<0.0332423075	.	.	.	.	1	PPM	LB/DAY

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Outfall 001

1. POLLUTANT	Mark X testing required	believed present	believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	Mass	B. MAXIMUM 30 DAY VALUE Concentration	Mass	C. LONG TERM AVRG. VALUE Concentration	Mass	No. of Analyses	3. Units Concentration	Mass
GCMS FRACTION - BASE/NEUTRAL COMP.(CONT)												
1,4-Dichlorobenzene (00106-46-7)	X	X		<0.0044	<0.04718263	.	.	.	.	1	PPM	LB/DAY
3,3'-Dichlorobenzidine (00091-94-1)	X	X		<0.0165	<0.1769348625	.	.	.	.	1	PPM	LB/DAY
Diethyl Phthalate (00084-66-2)	X	X		<0.0074	<0.079352605	.	.	.	.	1	PPM	LB/DAY
Dimethyl Phthalate (00131-11-3)	X	X		<0.0075	<0.0804249375	.	.	.	.	1	PPM	LB/DAY
Di-N-Butyl Phthalate (00084-74-2)	X	X		<0.0064	<0.06862928	.	.	.	.	1	PPM	LB/DAY
2,4-Dinitrotoluene (00121-14-2)	X	X		<0.0057	<0.0611229525	.	.	.	.	1	PPM	LB/DAY
2,6-Dinitrotoluene (00606-20-2)	X	X		<0.0034	<0.036459305	.	.	.	.	1	PPM	LB/DAY
Di-N-Octyl Phthalate (00117-84-0)	X	X		<0.0025	<0.0268083125	.	.	.	.	1	PPM	LB/DAY
1,2-Diphenylhydrazine (00122-66-7)	X	X		<0.0088	<0.09436526	.	.	.	.	1	PPM	LB/DAY
Fluoranthene (00206-44-0)	X	X		<0.0022	<0.023591315	.	.	.	.	1	PPM	LB/DAY
Fluorene (00086-73-7)	X	X		<0.0022	<0.023591315	.	.	.	.	1	PPM	LB/DAY
Hexachlorobenzene (00118-74-1)	X	X		<0.0031	<0.0332423075	.	.	.	.	1	PPM	LB/DAY
Hexachlorobutadiene (00087-68-3)	X	X		<0.0018	<0.019301985	.	.	.	.	1	PPM	LB/DAY
Hexachlorocyclopentadiene (00077-47-4)	X	X		<0.01	<0.10723325	.	.	.	.	1	PPM	LB/DAY
Hexachloroethane (00067-72-1)	X	X		<0.0024	<0.02573598	.	.	.	.	1	PPM	LB/DAY
Indeno (1,2,3-Cd) Pyrene (00193-39-5)	X	X		<0.0037	<0.0396763025	.	.	.	.	1	PPM	LB/DAY
Isophorone (00078-59-1)	X	X		<0.0051	<0.0546889575	.	.	.	.	1	PPM	LB/DAY
Naphthalene (00091-20-3)	X	X		<0.0038	<0.040748635	.	.	.	.	1	PPM	LB/DAY
Nitrobenzene (00098-95-3)	X	X		<0.0042	<0.045037965	.	.	.	.	1	PPM	LB/DAY
N-Nitrosodimethylamine (00062-75-9)	X	X		<0.0062	<0.066484615	.	.	.	.	1	PPM	LB/DAY
N-Nitroso-Di-N-Propylamine (00621-64-7)	X	X		<0.0036	<0.03860397	.	.	.	.	1	PPM	LB/DAY

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Outfall 001

1. POLLUTANT	Mark X testing required	believed present	believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	Mass	B. MAXIMUM 30 DAY VALUE Concentration	Mass	C. LONG TERM AVRG. VALUE Concentration	Mass	No. of Analyses	3. Units Concentration	Mass
GCMS FRACTION - BASE/NEUTRAL COMP (CONT)												
N-Nitrosodiphenylamine (00086-30-6)	X	X		<0.0027	<0.0289529775	.	.	.	.	1	PPM	LB/DAY
Phenanthrene (00085-01-8)	X	X		<0.0054	<0.057905955	.	.	.	.	1	PPM	LB/DAY
Pyrene (00129-00-0)	X	X		<0.0038	<0.040748635	.	.	.	.	1	PPM	LB/DAY
1,2,4-Trichlorobenzene (00120-82-1)	X	X		<0.0079	<0.0847142675	.	.	.	.	1	PPM	LB/DAY
GCMS FRACTION - PESTICIDES												
Aldrin (00309-00-2)	X	X		<0.00005	<0.0005361663	.	.	.	.	1	PPM	LB/DAY
Alpha BHC (00319-84-6)	X	X		<0.00005	<0.0005361663	.	.	.	.	1	PPM	LB/DAY
Beta BHC (00319-85-7)	X	X		<0.00005	<0.0005361663	.	.	.	.	1	PPM	LB/DAY
Gamma BHC (00058-89-9)	X	X		<0.00005	<0.0005361663	.	.	.	.	1	PPM	LB/DAY
Delta BHC (00319-86-8)	X	X		<0.00005	<0.0005361663	.	.	.	.	1	PPM	LB/DAY
Chlordane (00057-74-9)	X	X		<0.0002	<0.002144665	.	.	.	.	1	PPM	LB/DAY
4,4pr DDT (00050-29-3)	X	X		<0.0001	<0.0010723325	.	.	.	.	1	PPM	LB/DAY
4,4pr DDE (00072-55-9)	X	X		<0.0001	<0.0010723325	.	.	.	.	1	PPM	LB/DAY
4,4pr DDD (00072-54-8)	X	X		<0.0001	<0.0010723325	.	.	.	.	1	PPM	LB/DAY
Dieldrin (00060-57-1)	X	X		<0.0001	<0.0010723325	.	.	.	.	1	PPM	LB/DAY
Alpha-Endosulfan (00115-29-7)	X	X		<0.0001	<0.0010723325	.	.	.	.	1	PPM	LB/DAY
Beta-Endosulfan (00115-29-7)	X	X		<0.0001	<0.0010723325	.	.	.	.	1	PPM	LB/DAY
Endosulfan Sulfate (01031-07-8)	X	X		<0.0001	<0.0010723325	.	.	.	.	1	PPM	LB/DAY
Endrin (00072-20-8)	X	X		<0.0001	<0.0010723325	.	.	.	.	1	PPM	LB/DAY
Endrin Aldehyde (07421-93-4)	X	X		<0.0001	<0.0010723325	.	.	.	.	1	PPM	LB/DAY
Heptachlor (00076-44-8)	X	X		<0.00005	<0.0005361663	.	.	.	.	1	PPM	LB/DAY

Continued from Page V8

Outfall 001

1. POLLUTANT	Mark X testing required	believed present	believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	Mass	B. MAXIMUM 30 DAY VALUE Concentration	Mass	C. LONG TERM AVRG. VALUE Concentration	Mass	No. of Analyses	3. Units Concentration	Mass
GCMS FRACTION - PESTICIDES (CONTINUED)												
Heptachlor-Epoxide (01024-57-3)	X	X		<0.0001	<0.0010723325	.	.	.	.	1	PPM	LB/DAY
PCB 1242 (53469-21-9)	X	X		<0.001	<0.010723325	.	.	.	.	1	PPM	LB/DAY
PCB 1254 (11097-69-1)	X	X		<0.001	<0.010723325	.	.	.	.	1	PPM	LB/DAY
PCB 1221 (11104-28-2)	X	X		<0.001	<0.010723325	.	.	.	.	1	PPM	LB/DAY
PCB 1232 (11141-16-5)	X	X		<0.001	<0.010723325	.	.	.	.	1	PPM	LB/DAY
PCB 1248 (12672-29-6)	X	X		<0.001	<0.010723325	.	.	.	.	1	PPM	LB/DAY
PCB 1260 (11096-82-5)	X	X		<0.001	<0.010723325	.	.	.	.	1	PPM	LB/DAY
PCB 1016 (12674-11-2)	X	X		<0.001	<0.010723325	.	.	.	.	1	PPM	LB/DAY
Toxaphene (08001-35-2)	X	X		<0.005	<0.053616625	.	.	.	.	1	PPM	LB/DAY

Continued from Page V9

Outfall 001

	Mark X testing required	Mark X believed present	Mark X believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	A. Mass	B. MAXIMUM 30 DAY VALUE Concentration	B. Mass	C. LONG TERM AVRG. VALUE Concentration	C. Mass	No. of Analyses	3. Units Concentration	Mass
MISCELLANEOUS ATTACHMENT A PARAMETERS												
Kepone (00143-50-0)	X			<0.0001	<0.0010723325	.	.	.	.	1	PPM	LB/DAY
Methoxychlor (00072-43-5)	X			<0.0001	<0.0010723325	.	.	.	.	1	PPM	LB/DAY
Mirex (02385-85-5)	X			<0.0001	<0.0010723325	.	.	.	.	1	PPM	LB/DAY
Tributyltin (00688-73-3)	X			<0.00003	<0.0003216998	.	.	.	.	1	PPM	LB/DAY
Demeton (08065-48-3)	X			<0.001	<0.010723325	.	.	.	.	1	PPM	LB/DAY
Malathion (00121-75-5)	X			<0.001	<0.010723325	.	.	.	.	1	PPM	LB/DAY
Parathion (00056-38-2)	X			<0.001	<0.010723325	.	.	.	.	1	PPM	LB/DAY
Chlorpyrifos (02921-88-2)	X			<0.0002	<0.002144665	.	.	.	.	1	PPM	LB/DAY
Guthion (00086-50-0)	X			<0.001	<0.010723325	.	.	.	.	1	PPM	LB/DAY
Hydrogen Sulfide (07783-06-4)	X			<0.05	<0.53616625	.	.	.	.	1	PPM	LB/DAY
Strontium 90	X			<0.965	<10.348008625	.	.	.	.	1	PCI/LITER	.
Silvex (00093-72-1)	X			<0.0001	<0.0010723325	.	.	.	.	1	PPM	LB/DAY
2,4-D (00094-75-7)	X			<0.0001	<0.0010723325	.	.	.	.	1	PPM	LB/DAY
Tritium	X			<208	.	.	.	.	.	1	PCI/LITER	.
Total Hardness As Caco3	X			235.98	2530.4902335	.	.	.	.	1	PPM	LB/DAY
Chloride,total	X			37.95	406.95018375	.	.	.	.	1	PPM	LB/DAY
Antimony, Dissolved	X			<0.001	<0.010723325	.	.	.	.	1	PPM	LB/DAY
Arsenic, Dissolved	X			0.01	0.10723325	.	.	.	.	1	PPM	LB/DAY
Cadmium, Dissolved	X			<0.0003	<0.0032169975	.	.	.	.	1	PPM	LB/DAY
Chromium, Dissolved	X			0.003	0.032169975	.	.	.	.	1	PPM	LB/DAY
Copper, Dissolved	X			0.007	0.075063275	.	.	.	.	1	PPM	LB/DAY
Lead, Dissolved	X			<0.001	<0.010723325	.	.	.	.	1	PPM	LB/DAY
Mercury, Dissolved	X			<0.0002	<0.002144665	.	.	.	.	1	PPM	LB/DAY
Nickel, Dissolved	X			<0.005	<0.053616625	.	.	.	.	1	PPM	LB/DAY
Selenium, Dissolved	X			<0.003	<0.032169975	.	.	.	.	1	PPM	LB/DAY
Silver, Dissolved	X			<0.0001	<0.0010723325	.	.	.	.	1	PPM	LB/DAY
Thallium, Dissolved	X			<0.0002	<0.002144665	.	.	.	.	1	PPM	LB/DAY
Zinc, Dissolved	X			<0.01	<0.10723325	.	.	.	.	1	PPM	LB/DAY

Dominion Resources Services, Inc.
5000 Dominion Boulevard, Glen Allen, VA 23060
Web Address: www.dom.com

Dominion®

Certified Mail
Return Receipt Requested

July 7, 2010

RECEIVED
JUL 13 2010
DEQ – BRRO

Mr. Frank Bowman
Virginia Department of Environmental Quality
South Central Regional Office
7705 Timberlake Road
Lynchburg, Virginia 23502

RE: CLOVER POWER STATION- VPDES PERMIT NO. VA0083097 APPLICATION FOR PERMIT REISSUANCE

Dear Mr. Bowman:

Enclosed are the original and four copies of the application for reissuance of the VPDES permit for Clover Power Station (Permit No. VA0083097).

As you know, Dominion has been diligently working with DEQ and other stakeholders during the current permit term to address manganese concentrations in discharges from the Clover Power Station. The initial focus of this effort was on Outfall 009, the wastewater discharge from the station's coal combustion by-product landfill. More recently we have proactively shifted to a more comprehensive and station-wide approach, which also considers elevated manganese concentrations measured in the effluent from the station's coal pile runoff pond (Outfall 002). As part of this effort, Golder Associates was contracted to design a wastewater treatment plant sufficient to remove manganese from the combined Outfall 002/009 wastewater stream to a concentration of less than 50 ug/L. A feasibility study, including extensive bench scale testing, was completed in March 2010, and the results of this study were then used to develop the Conceptual Design Report (CDR) for manganese removal, which is included as part of this application.

We look forward to working with the DEQ during the upcoming reissuance process. Please feel free to contact Oula Shehab-Dandan at (804)-273-2697 should you have any questions or concerns related to this information.

Sincerely,

Cathy C. Taylor

Cathy C. Taylor
Director, Electric Environmental Services

Enclosures

CLOVER POWER STATION

VPDES Permit No. VA0083097
Permit Reissuance Application

ATTACHMENTS

EPA Form 3510-1
Topographic Map, Aerial Photo, Property Boundaries and VPDES Outfall Locations Map

EPA Form 3510-2C
One Line Diagram
Addendum to Form 2C

EPA Form 3510-2F
Addendum to Form 2F
Stormwater Pollution Prevention Plan

VPDES Sewage Sludge Permit Application Form
WWTP Flow Diagram
Sludge Transportation Route
Sludge Acceptance Letter

VPDES Permit Attachment A Analytical Results for Outfalls 003 and 009

Request for Waivers from Sampling and Testing Parameters

VPDES Permit Reissuance Addendum

Billing Information Form for Annual Maintenance Fee

Public Notice Billing Information

Conceptual Engineering Report for Manganese Removal System

EPA Form 3510-1
Topographic Map, Aerial Photo, Property Boundaries and VPDES Outfall Locations Map

Please print or type in the unshaded areas only
(fill-in areas are spaced for elite type, i.e., 12 characters/inch).

For Approved. OMB No. 2040-0086. Approval expires 5-31-92

FORM 1 GENERAL

U.S. ENVIRONMENTAL PROTECTION AGENCY

GENERAL INFORMATION

Consolidated Permits Program

(Read the "General Instructions" before starting.)

I. EPA I.D. NUMBER

S		T/A	C
F	110007008175		D
1	2 13	14	15

LABEL ITEMS

- I. EPA I.D. NUMBER
- III. FACILITY NAME
- V. FACILITY MAILING LIST
- VI. FACILITY LOCATION

PLEASE PLACE LABEL IN THIS SPACE

GENERAL INSTRUCTIONS

If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent *(the area to the left of the label space lists the information that should appear)*, please provide it in the proper fill-in area*(s)* below. If the label is complete and correct, you need not complete Items I, III, V, and VI*(except VI-B which must be completed regardless)*. Complete all items if no label has been proved. Refer to the instructions for detailed item descriptions and for the legal authorization under which this data is collected.

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of **bold-faced terms.**

SPECIFIC QUESTIONS	MARK "X" YES	NO	FORM ATTACHED	SPECIFIC QUESTIONS	MARK "X" YES	NO	FORM ATTACHED
A. Is this facility a **publicly owned treatment works** which results in a **discharge to waters of the U.S.?** (FORM 2A)	☐ 16	☒ 17	☐ 18	B. Does or will this facility *(either existing or proposed)* include a **concentrated animal feeding operation** or **aquatic animal production facility** which results in a **discharge to waters of the U.S.?** (FORM 2B)	☐ 19	☒ 20	☐ 21
C. Is this facility which currently results in **discharges to waters of the U.S.** other than those described in A or B above? (FORM 2C)	☒ 22	☐ 23	☒ 24	D. Is this proposal facility *(other than those described in A or B above)* which will result in a **discharge to waters of the U.S.?** (FORM 2D)	☐ 25	☒ 26	☐ 27
E. Does or will this facility treat, store, or dispose of **hazardous wastes?** (FORM 3)	☐ 28	☒ 29	☐ 30	F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)	☐ 31	☒ 32	☐ 33
G. Do you or will you inject at this facility any produced water other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)	☐ 34	☒ 35	☐ 36	H. Do you or will you inject at this facility fluids for special processes such as mining of sulfer by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)	☐ 37	☒ 38	☐ 39
I. Is this facility a proposed **stationary source** which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an **attainment area?** (FORM 5)	☐ 40	☒ 41	☐ 42	J. Is this facility a proposed **stationary source** which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an **attainment are?** (FORM 5)	☐ 43	☒ 44	☐ 45

III. NAME OF FACILITY

C 1 | SKIP | *DOMINION-CLOVER POWER STATION*

15 | 16-29 | 30 ... 69

IV. FACILITY CONTACT

A. NAME & TITLE *(last, first, & title)*	B. PHONE *(area code & no.)*		
Pamela, F. Faggert *Vice President and Chief Environmental Officer*	*804*	*273*	*3467*
15 16 ... 45	46 48	49 51	52 55

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX

C 3 | *5000 Dominion Boulevard*

15 | 16 ... 45

B. CITY OR TOWN	C. STATE	D. ZIP CODE
Glen Allen	*VA*	*23060*
C 4		
15 16 ... 40	41 42	47 51

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER

C 5 | *4091 Clover Road*

15 | 16 ... 45

B. COUNTY NAME

Halifax

46 ... 70

C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE
Clover	*VA*	*24534*	*--*
C 6			
15 16 ... 40	41 42	47 51	52 54

CONTINUED ON REVERSE

CONTINUED FROM THE FRONT

VII. SIC CODES *(4-digit, in order of priority)*

A. FIRST		B. SECOND	
4911	(specify) Steam Electric Generation		(specify)
C. THIRD		**D. FOURTH**	
	(specify)		(specify)

VIII. OPERATOR INFORMATION

A. NAME: Virginia Electric and Power Company

B. Is the name listed in Item VIII-A also the owner? ☒ YES ☐ NO

C. STATUS OF OPERATOR *(Enter the appropriate letter into the answer box; if "Other," specify.)*
F = FEDERAL
S = STATE
P = PRIVATE
M = PUBLIC *(other than federal or state)*
O = OTHER *(specify)*

P (specify)

D. PHONE *(area code & no.)*: 434 454 2028

E. STREET OR PO BOX: P.O. Box 245

F. CITY OR TOWN	G. STATE	H. ZIP CODE
Clover	VA	24534

IX. INDIAN LAND

Is the facility located on Indian lands? ☐ YES ☒ NO

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES *(Discharges to Surface Water)*	VA0083097	D. PSD *(Air Emissions from Proposed Sources)*	5108300046
B. UIC *(Underground Injection of Fluids)*	---	E. OTHER *(specify)*	WVP 89-1282 — *(Specify)* Virginia Water Protection Permit
C. RCRA *(Hazardous Wastes)*	VAD988187589	E. OTHER *(specify)*	556 — *(Specify)* Virginia Solid Waste Permit

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

XII. NATURE OF BUSINESS *(provide a brief description)*

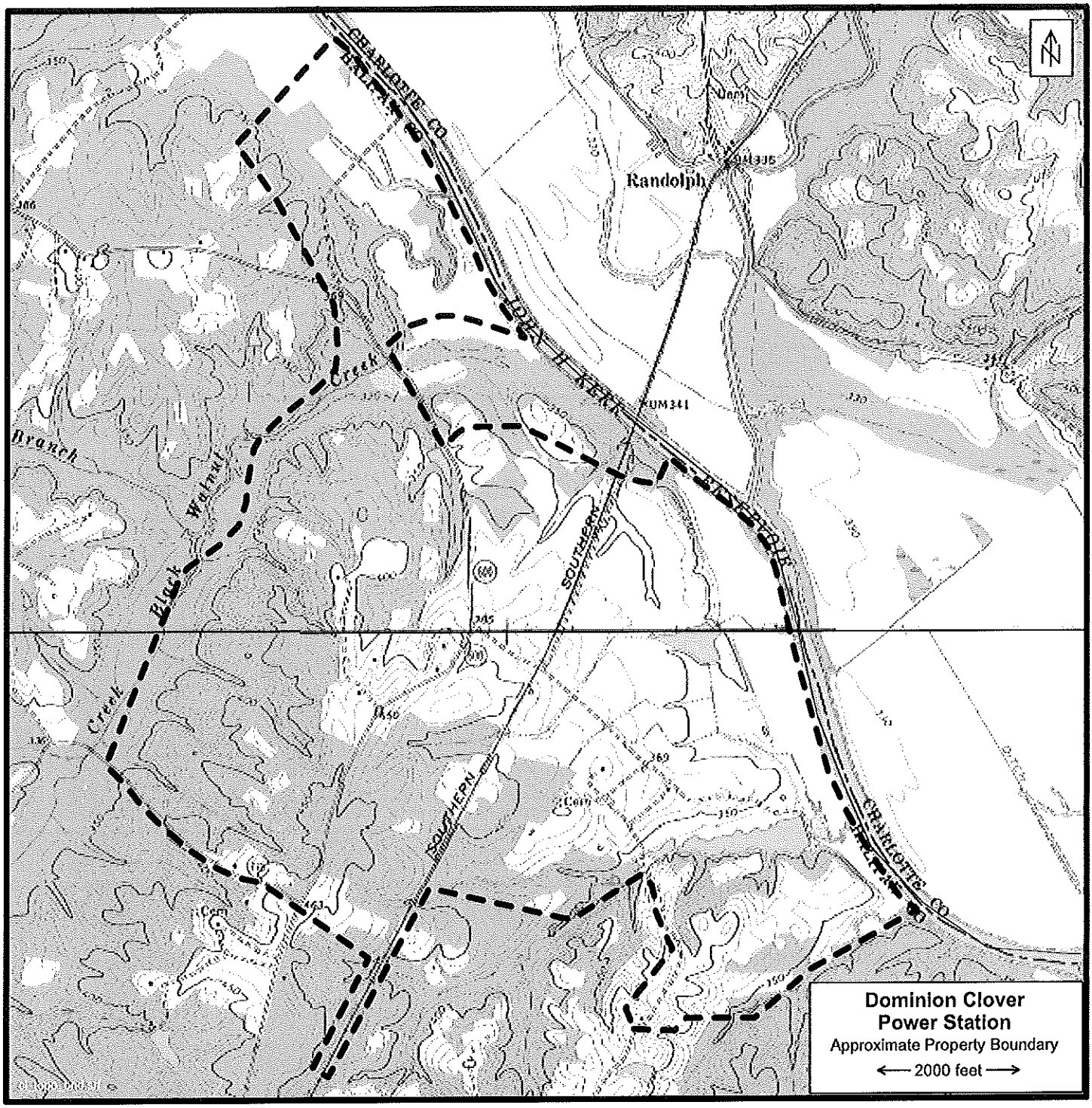
Clover Power Station generates electricity with steam produced by the combustion of fossil fuels.

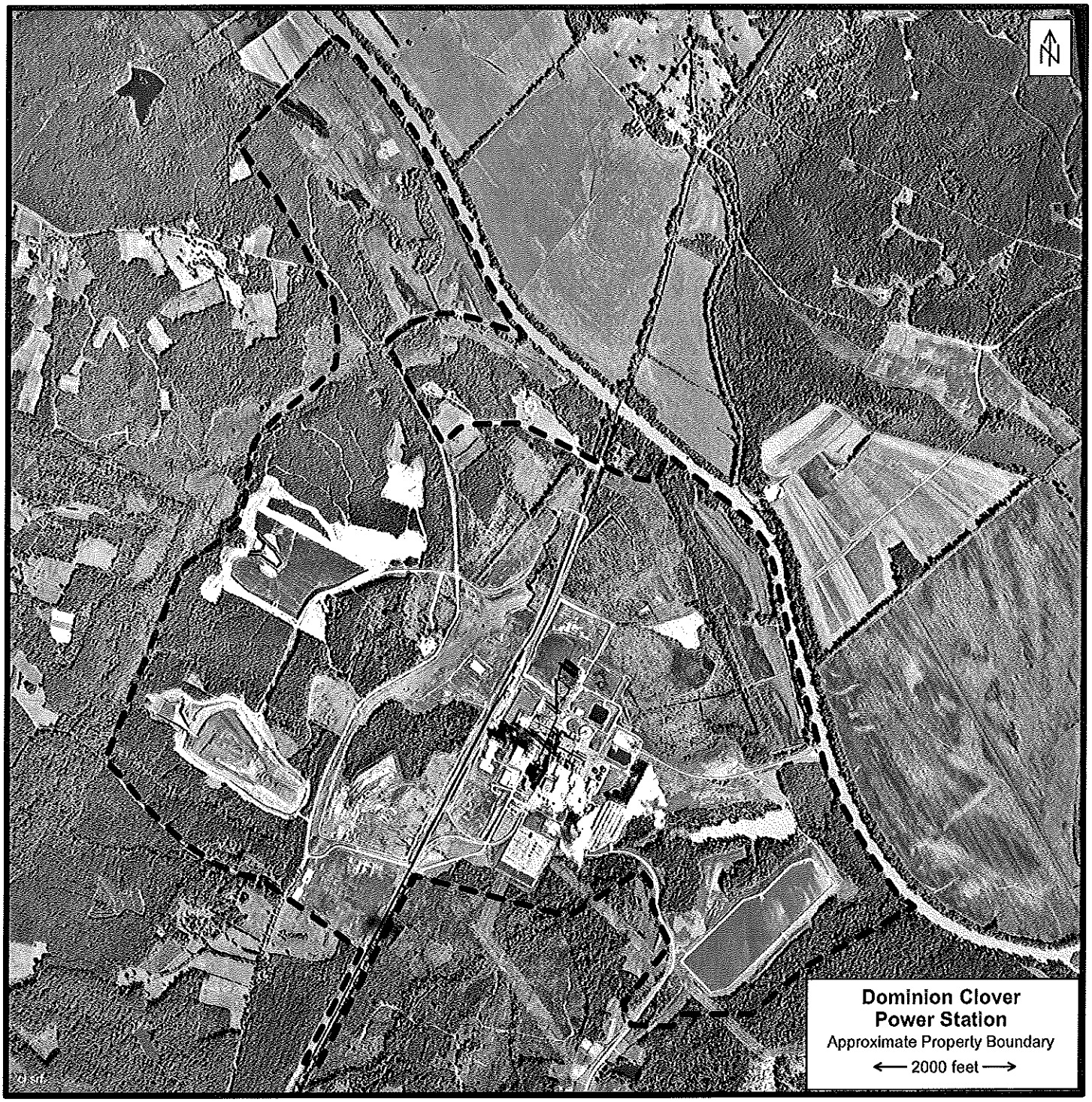
XIII. CERTIFICATION *(see instructions)*

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

A. NAME & OFFICIAL TITLE *(type or print)*	B. SIGNATURE	C. DATE SIGNED
C D Holley, VP Fossil & Hydro Systems Operation	C D Holley	7/7/2010

COMMENTS FOR OFFICIAL USE ONLY


Randolph
CHARLOTTE CO
SOUTHERN
Black Walnut Creek Branch
Dominion Clover
Power Station
Approximate Property Boundary
2000 feet


N
Dominion Clover
Power Station
Approximate Property Boundary
2000 feet

EPA Form 3510-2C
One Line Diagram
Addendum to Form 2C

Please type or print in the unshaded areas only	EPA ID Number *(Copy from Item 1 of Form 1)* 110007008175	*Form Approved OMB No. 2040-0086 Approval expires 7-31-88*

Form **2C** NPDES

U.S. ENVIRONMENTAL PROTECTION AGENCY
APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER
EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICUTLRAL OPERATIONS
Consolidated Permits Program

I. Outfall Location

For this outfall, list the latitude and longitude, and name of the receiving water(s)

Outfall Number *(list)*	Latitude			Longitude			Receiving Water *(name)*
	Deg	Min	Sec	Deg	Min	Sec	
001	*36*	*52*	*07*	*78*	*41*	*40*	*Roanoke River*
002	*36*	*53*	*07*	*78*	*41*	*40*	*Roanoke River*
009	*36*	*52*	*19*	*78*	*41*	*52*	*Roanoke River*

II. Flows, Sources of Pollution, and Treatment Technologies

A. For each outfall, provide a description of (1) all operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and stormwater runoff; (2) the average flow contributed by each operation; and (3) the treatment received by the wastewater. Continue on additional sheets if necessary.

B. For each outfall, provide a description of (1) all operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water, and stormwater runoff; (2) the average flow contributed by each operation; and (3) the treatment received by the wastewater. Continue on additional sheets if necessary.

1. Outfall Number	2. Operations Contributing Flow		3. Treatment		
	a. OPERATION *(list)*	b. AVERAGE FLOW	a. DESCRIPTION	b. LIST CODES FROM TABLE 2C-1	
001	***Holding Pond***	***1.082 MGD***	***Flotation, Sedimentation Discharge to Surface Waters***	***1-H 4-A***	***1-U***
	Plant Drains	----	----	----	----
	Boiler Blowdown	----	----	----	----
	Cooling Tower Blowdown (101)	----	----	----	----
	Neutralization Basin (102)	----	----	----	----
	Sewage treatment Plant (103)	----	----	----	----
*(101)**	***Cooling Tower Blowdown***	***2.2248 MGD***	***Sedimentation***	***1-U***	---
*(102)**	***Neutralization Basin***	***0.7955 MGD***	***Sedimentation, Neutralization***	***1-U***	***2-K***
	Chemical Drains	----	----	----	----
	Chemical Cleaning Waste	----	----	----	----
*(103)**	***Sewage Treatment Plant***	***0.0034MGD***	***Grinding, Sedimentation, Activated Sludge, Disinfection***	***1-L 3-A***	***1-U 2-F***
002	***Coal Pile/ Limestone Runoff Basin***	***0.1148 MGD***	***Neutralization, Sedimentation, Discharge to Surface Warters***	***2-K 4-A***	***1-U***
009	***Landfill Collection Pond***	***0.3833 MGD***	***Neutralization, Sedimentation, Chemical Precipitation, Mixing, Discharge to Surface Warters***	***2-K 2-C 4-A***	***1-U 1-O***
	Stage III, Phases 1 and 2 landfill leachate and stormwater runoff collection	----	----	----	----
	Stage I and II leachate and stormwater runoff collection	----	----	----	----

( )= Internal Outfalls

 CONTINUED ON REVERSE

C. Except for storm runoff, leaks, or spills, are any of the discharges described in Items II-A or B intermittent or seasonal?

☒ YES *(complete the following table)* ☐ NO *(go to Section III)*

1. OUTFALL NUMBER (list)	2. OPERATION(s) CONTRIBUTING FLOW *(list)*	3. FREQUENCY		4. FLOW				
		a. DAYS PER WEEK *(specify average)*	b. MONTHS PER YEAR *(specify average)*	a. FLOW RATE *(in mgd)*		b. TOTAL VOLUME *(specify with units*		c. DURATION *(in days)*
				1. LONG TERM AVERAGE	2. MAXIMUM DAILY	1. LONG TERM AVERAGE	2. MAXIMUM DAILY	
002	*Stormwater from coal pile and limestone storage areas*	*See Addendum for additional information*						

III. PRODUCTION

A. Does an effluent guideline limitation promulgated by EPA under Section 304 of the Clean Water Act apply to your facility?

☒ YES *(complete Item III-B)* ☐ NO *(go to Section IV)*

B. Are the limitations in the applicable effluent guideline expressed in terms of production *(or other measure of operation)*?

☐ YES *(complete Item III-C)* ☒ NO *(go to Section IV)*

C. If you answered "yes" to Item III-B, list the quantity which represents an actual measurement of your level of production, expressed in the terms and units used in the applicable effluent guideline, and indicate the affected outfalls.

1. AVERAGE DAILY PRODUCTION			2. AFFECTED OUTFALLS *(list outfall numbers)*
a. QUANTITY PER DAY	b. UNITS OF MEASURE	c. OPERATION, PRODUCT, MATERIAL, ETC. *(specify)*	
		Not Applicable	

IV. IMPROVEMENTS

A. Are you now required by any Federal, State, or local authority to meet any implementation schedule for the construction, upgrading, or operation of wastewater treatment equipment or practices or any other environmental programs which may affect the discharges described in this application? This includes, but is not limited to, permit conditions, administrative or enforcement orders, enforcement compliance schedule letters, stipulations, court orders, and grant or loan conditions.

☒ YES *(complete the following table)* ☐ NO *(go to Item IV-B)*

1. IDENTIFICATION OF CONDITION, AGREEMENT, ETC.	2. AFFECTED OUTFALLS		3. BRIEF DESCRIPTION OF PROJECT	4. FINAL COMPLIANCE DATE	
	a. No	b. SOURCE OF DISCHARGE		a. REQUIRED	b. PROJECTED
See Addendum					

B. OPTIONAL: You may attach additional sheets describing any additional water pollution control programs *(or other environmental projects which may affect your discharges)* you now have underway or which you plan. Indicate whether each program is now underway or planned, and indicate your actual or planned schedules for construction.

☐ MARK "X" IF DESCRIPTION OF ADDITIONAL CONTROL PROGRAM IS ATTACHED

 CONTINUED ON PAGE 3

EPA ID Number *(Copy from Item 1 of Form 1)*
110007008175

V. INTAKE AND EFFLUENT CHARACTERISTICS

A, B, & C: See instructions before proceeding - Complete one set of tables or each outfall - Annotate the outfall number in the space provided. **NOTE:** Tables V-A, V-B, and V-C are included on separate sheets number V-1 through V-9.

D: Use the space below t list any of the pollutants listed in Tables 2c-3 of the instructions, which you know or have reason to believe is discharged or may be discharged from any outfall. For every pollutant you list, briefly describe the reasons you believe it to be present and report any analytical data in your possession.

1. POLLUTANT	2. SOURCE	1. POLLUTANT	2. SOURCE
Vanadium	***Fossil Fuels, Ash***		
Strontium	***Fossil Fuels, Ash***		
Uranium	***Fossil Fuels, Ash***		
Zirconium	***Fossil Fuels, Ash***		
Xylene	***Fossil Fuels***		

VI. POTENTIAL DISCHARGES NOT COVERED BY ANALYSIS

Is any pollutant listed in Item V-C a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?

☒ **YES** *(list all such pollutants below)* ☐ **NO** *(go to Item VI-B)*

See Addendum

 CONTINUED ON REVERSE

CONTINUED FROM THE FRONT

VII. BIOLOGICAL TOXICITY TESTING DATA

Do you have any knowledge or reason to believe that any biological test for acute or chronic toxicity has been made on any of your discharges or on a receiving water in relation to your discharge within the last 3 years?

☒ YES *(identify the test(s) and describe their purpose below)* ☐ NO *(go to Section VIII)*

Outfalls 001,002,003 and 009 have been tested for acute toxicity as required by the permit (Special Condition I.E.1). The results of these tests have been provided to VA DEQ in accordance with the schedule specified in Special Condition I.E.2.

VIII. CONTRACT ANALYSIS INFORMATION

Were any of the analyses reported in Item V performed by a contract laboratory or consulting firm?

☒ YES *(list the name, address, and telephone number of, and pollutants analyzed by, each such laboratory or firm below)* ☐ NO *(go to Section IX)*

A. NAME	B. ADDRESS	C. TELEPHONE *(area code & no.)*	D. POLLUTANTS ANALYZED *(list)*
Primary Laboratories, Inc.	*7423 Lee Davis Road Mechanicsville, VA 23111*	*(804) 559-9004*	*BOD, Pesticides, Herbicides, Cyanide*
Pace Analytical Services Inc.	*1638 Roseytown Road Greensburg, PA 15601*	*(724) 850-5600*	*Radioactivity, Strontium,Tritium*
Coastal Bioanalysts, Inc.	*6400 Enterprise Court Gloucester Point, VA 23061*	*(804) 694-8285*	*Whole Effluent Toxicity*

IX. CERTIFICATION

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

A. NAME & OFFICIAL TITLE *(type or print)*	B. PHONE NO. *(area code & no.)*
C D Holley *VP Fossil and Hydro Systems Operation*	*(804) 273-3592*
C. SIGNATURE CD Holley	D. DATE SIGNED 7/7/2010

CLOVER POWER STATION
VA0083097
ADDENDUM TO FORM 2F

ITEM I. OUTFALL LOCATION

The locations of storm water Outfalls 003, 004, 005, 006, 007, 008, 011, 012, 013, 014, 015, and 016 are shown on the Surface Water Outfall Plan included with this application.

ITEM III – SITE DRAINAGE MAP

The Surface Water Outfall Plan included with this application shows the outline of the drainage areas served by the outfalls covered by this application, including locations for outdoor storage of or disposal of significant materials, structural control measures to reduce pollutants in storm water runoff, and material loading and access areas. Some of this information including topographic features, is also shown for storm water discharges from the stations solid waste landfill (Outfalls 003, 006, 007, 008 011, 012, 013, 014, 015, and 016) on the final site grade plan for the Stage III landfill included with this application. A narrative discussion of this information is contained in the Storm Water Pollution Prevention Plan (attached) and is provided below.

ITEM IV-A B.& C - NARRATIVE DESCRIPTION OF POLLUTANT SOURCES

Storm water drainage areas and associated outfalls are shown on the Surface Water Outfall Plan included with this application. A narrative description of the drainage areas, contributing industrial processes, discharge locations, and receiving streams is provided below. This information is intended to augment that contained in the Storm Water Pollution Prevention Plan.

Outfall 003 (Landfill runoff pond Stage I & II)

Outfall 003 discharges to Black Walnut Creek from the landfill runoff pond associated with the capped and closed Stage I & II coal combustion by-product (CCB) landfill. With the exception of small volumes of monitoring well purge water, uncontaminated

storm runoff from the closed landfill is the only source of water to the pond. The collected storm water can be discharged through Outfall 003, or may be pumped to the Stage III landfill leachate basins and then discharged to the Roanoke River through Outfall 009.

Outfall 004 (Power Block and Switchyard)

Outfall 004 discharges to the Roanoke River at approximately the location shown on the Surface Water Outfall Plan included with this application. The drainage area associated with Outfall 004 includes the main station footprint and associated switchyard. Possible storm water contaminants from within this area include those associated with coal and coal combustion by-products, limestone, transformer oil, oil & grease, TPH, and Ethylene glycol.

Within the drainage area for Outfall 004 there are two distinct sub-drainage areas. The first drainage area includes the area associated with the switchyards and cooling towers, which are located along the southeastern property boundary. Runoff from this area is directed to the station's "stump pond", which is located just north of the raw water treatment pond. A substantial "offsite" drainage area also contributes to the stump pond, and consequently, discharge from the pond is continuous except during extended periods of no rainfall.

The second drainage area includes the remainder of the main station footprint, and also includes a substantial "waterfowl area" located to the north of the station and adjacent to the Roanoke River.

The combined runoff then travels approximately 400 feet before being discharged to the Roanoke River through Outfall 004.

Outfall 005

The drainage area for Outfall 005 is located west of the power station. The majority of the drainage area is bounded on the east by the railroad track and on the west by State route 600. A portion of the drainage area extends north of the landfill access road and

northeast of the railroad. Outfall 005 discharges to the Roanoke River. The most likely sources of storm water contamination within this area include the coal and limestone railroad unloading areas. This drainage area includes a portion of the ash haul road, therefore, it is possible to have affects from coal combustion byproducts (CCBs).

Outfalls 006, 007 and 008

The drainage areas for Outfalls 006, 007 and 008 total approximately 26 acres, 64 acres, and 32 acres, respectively. The three drainage areas are contiguous and include the ash haul road and vegetated land to the east of the haul road. All three outfalls discharge to Black Walnut Creek. The most likely source of storm water contamination associated with these drainage areas is the ash haul road. In addition, the station's ash management contractor has facilities that are located in the drainage area for Outfall 007. Since closure of the Stage 1 & 2 landfill, runoff that contributes to Outfall 008 no longer receives runoff from areas associated with industrial activity.

Outfalls 011, 012, and 013

Outfalls 011, 012, and 013 are all storm water retention basins associated with the Stage III landfill. All three outfalls discharge to Black Walnut Creek. The most likely sources of storm water contamination within these drainage areas are the ash haul road, Stage III landfill and soil borrow pit.

Outfalls 014, 015, and 016

Outfalls 014, 015, and 016 discharge from sedimentation basins that will receive storm water runoff from the perimeter of the Phase 2B, Stage III landfill. The design and operation of the basins is similar to that of the sediment basins associated with Phases 1 and 2A of the Stage III landfill, and it is expected that the effluent quality will be similar as well. The volume of discharge from each basin will be rainfall dependent, and will also vary as a function of landfill construction, operation, and closure. Our contractor has provided estimates of storm runoff from each drainage area under existing conditions and various storm water flows.

Current plans are to construct Phase 2B in 2011 so that it is ready to receive combustion by-products in late 2011 or early 2012. Presently, the basins associated with Outfalls 014, 015, and 016 receive runoff from uncontaminated areas of the site. They will begin discharging storm water associated with industrial activity following the initial placement of coal combustion by-products in the Phase 2B landfill.

ITEM VII-A,B & C. DISCHARGE INFORMATION

Effluent samples used to generate the data included in Form 2F were collected during periods representative of facility operations by persons experienced in the sampling of industrial effluents. The samples were collected in accordance with procedures described in the instructions for Form 2F as modified by waivers approved by DEQ (see attached July 1, 2009 letter). Sample analyses were performed in accordance with methods promulgated in 40 CFR Part 136.

STORMWATER POLLUTION PREVENTION PLAN

FOR THE

CLOVER POWER STATION

Route 92
Clover, VA 24534

Prepared by:
Dominion Generation
Electric Environmental Services & Projects

May 2009

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Permit Cross Reference

SWPPP Permit Reference	VPDES Permit VA0083097 Storm Water Pollution Prevention Plan (SWPPP) Elements	SWPPP Text Reference
(1)	**VA0083097, PART I, F. 2. b. (1):** Pollution Prevention Team: The SWPPP shall identify the staff individuals by name or title that comprise the facility's SWPPP team. The pollution prevention team is responsible for assisting the facility or plant manager in developing, implementing, maintaining and revising the facility's SWPPP. Responsibilities of each staff individual on the team must be listed and shall address all aspects of the facility's plan.	**Section 2.1**
(2)	**VA0083097, PART I, F. 2. b. (2)(a):** Site Description: A description of the nature of the industrial activities at the facility;	**Section 1.0**
(3)	**VA0083097, PART I, F. 2. b. (2)(b):** A general location map (e.g., USGS quadrangle or other map) with enough detail to identify the location of the facility and the receiving waters within one mile of the facility;	**Appendix A, B, & C**
(4)	**VA0083097, PART I, F. 2. b. (2)(c):** A site map identifying the following: (i) Directions of storm water flow (e.g., use arrows to show which ways storm water will flow); (ii) Locations of all existing structural BMPs; (iii) Locations of all surface water bodies; (iv) Locations of potential pollutant sources identified in section b.(3) below (Summary of Potential Pollutant Sources) and where significant materials are exposed to precipitation; (v) Locations where major spills or leaks identified in section b.(4) below (Spills and leaks) have occurred; (vi) Locations of the following activities where such activities are exposed to precipitation; fueling stations; vehicle and equipment maintenance and/or cleaning areas; loading/unloading areas; locations used for the treatment, storage or disposal of wastes and liquid storage tanks; (vii) Locations of storm water outfalls and an approximate outline of the area draining to each outfall; (viii) Location and description of non-storm water discharges; (ix) Locations of the following activities where such activities are exposed to precipitation; processing and storage areas; access roads; rail cars and tracks; the location of transfer of substance in bulk; and machinery; and, (x) Location and source of runoff from adjacent property containing significant quantities of pollutants of concern to the facility (the permittee may include an evaluation of how the quality of the storm water running onto the facility impacts the facility'' storm water discharges).	**Appendix C**
(5)	**VA0083097, PART I, F. 2. b. (2)(d):** Receiving Waters and Wetlands: The name of the nearest receiving water(s), including intermittent streams, dry sloughs, arroyos and the Arial extent and description of wetland sites that may receive discharges from the facility.	**Appendix A, B, & C**
(6)	**VA0083097, PART I, F. 2. b. (3):** Summary of Potential Pollutant Sources The SWPPP shall identify each separate area at the facility where industrial materials or activities are exposed to storm water. Industrial materials or activities include, but are not limited to: material handling equipment or activities, industrial machinery, raw materials, intermediate products, byproducts, final products, or waste products. Material handling activities include the storage, loading and unloading, transportation, or conveyance of any raw material, intermediate product, final product or waste product. For each, separate area identified, the description must include:	**Section 4.0** **Appendix C**

	(a) A list of the activities in the area (e.g., material storage, equipment fueling and cleaning, cutting steel beams); and, (b) A list of the associated pollutant(s) or pollutant parameter(s) (e.g., crankcase oil, iron, biochemical oxygen demand, pH, etc.) for each activity. The pollutant list must include all significant materials that have been handled, treated, stored or disposed in a manner to allow exposure to storm water between the time of three years prior to the date of submission of the application for this permit and the present.	
(7)	**VA0083097, PART I, F. 2. b. (4):** Spills and Leaks: The SWPPP must clearly identify areas where potential spills and leaks that can contribute pollutants to storm water discharges can occur, and their accompanying drainage points. For areas that are exposed to precipitation or that otherwise drain to a storm water conveyance at the facility, the plan must include a list of significant spills and leaks of toxic or hazardous pollutants that occurred during the three-year period prior to the date of the submission of the application for this permit. The list must be updated if significant spills or leaks occur in exposed areas of the facility during the term of this permit. Significant spills and leaks include releases of oil or hazardous substances in excess of reportable quantities, and may also include releases of oil or hazardous substances that are not in excess of reporting requirements.	**Section 2.2 & 7.1** **Appendix C**
(8)	**VA0083097, PART I, F. 2. b. (5):** Sampling Data: The SWPPP must include a summary of existing discharge sampling data taken at the facility, and must also include a summary of sampling data collected during the term of this permit.	**Section 3.0, & 7.2**
(9)	**VA0083097, PART I, F. 2. b. (6):** Storm Water Controls: The SWPPP shall include a description of storm water management controls appropriate for the facility. The description of controls shall address the following minimum components: (a) Description of Existing and Planned BMPs: The plan shall describe the type and location of existing nonstructural and structural BMPs selected for each of the areas where industrial materials or activities are exposed to storm water. All the areas identified in section b.(3) above (Summary of Potential Pollutant Sources) should have a BMP(s) identified for the area's discharges. For areas where BMPs are not currently in place, include a description of appropriate BMPs that will be used to control pollutants in storm water discharges. Selection of BMPs should take into consideration: (i) The quantity and nature of the pollutants, and their potential to impact the water quality of receiving waters; (ii) Opportunities to combine the dual purposes of water quality protection and local flood control benefits, including physical impacts of high flows on streams (e.g., bank erosion, impairme of aquatic habitat, etc.); (iii) Opportunities to offset the impact of impervious areas of the facility on ground water recharge and base flows in local streams, taking into account the potential for ground water contamination.	**Section 5.0**
(10)	**VA0083097, PART I, F. 2. b. (6)(b):** BMP Types to be Considered: The permittee must consider the following types of structural, nonstructural and other BMPs for implementation at the facility. The SWPPP shall describe how each BMP is, or will be, implemented. If	**Section 3.4, 5.0, & 6.0**

	this requirement was fulfilled with the area-specific BMPs identified in section b.(6)(a) above (Description of Existing and Planned BMPs), then the previous description is sufficient. However, many of the following BMPs may be more generalized or non-site-specific and therefore not previously considered. If the permittee determines that any of these BMPs are not appropriate for the facility, an explanation of why they are not appropriate shall be included in the plan. The BMP examples listed below are not intended to be an exclusive list of BMPs that may be used. The permittee is encouraged to keep abreast of new BMPs or new applications of existing BMPs to find the most cost effective means of permit compliance for the facility. If BMPs are being used or planned at the facility that are not listed here (e.g., replacing a chemical with a less toxic alternative, adopting a new or innovative BMP, etc.), descriptions of them shall be included in this section of the SWPPP. (i) Nonstructural BMPs: i.- Good Housekeeping: ii.- Minimizing Exposure: iii.-Preventive Maintenance: iv.-Spill Prevention and Response Procedures: v.- Routine Facility Inspections: vi.- Employee Training:	**Appendix E**
(11)	**VA0083097, PART I, F. 2. b. (6)(b)(ii):** (ii) Structural BMPs: i.- Sediment and Erosion Control: ii.- Management of Runoff: iii.- Example BMPs: iv.- Other controls:	**Section 4.5 & 5.0** **Appendix G**
(12)	**VA0083097, PART I, F. 2. c.:** Maintenance: All BMPs identified in the SWPPP must be maintained in effective operating condition. If site inspections required by paragraph b.(6)(b)(I)v.-above(Routine Facility Inspections) and/or section e. below (Comprehensive SiteCompliance Inspections) identify BMPs that are not operating effectively, maintenance must be performed before the next anticipated storm event, or as necessary to maintain the continued effectiveness of storm water controls. If maintenance prior to the next anticipated storm event is impracticable, maintenance must be scheduled and accomplished as soon as practicable. In the case of nonstructural BMPs, the effectiveness of the BMP must be maintained by appropriate means (e.g., spill response supplies available and personnel trained, etc.).	**Section 3.4, 5.3 & 5.5**
(13)	**VA0083097, PART I, F. 2. d.:** Nonstorm Water Discharges: (1) Certification of Nonstorm Water Discharges: The SWPPP must include a certification that all discharges (i.e. outfalls) have been tested or evaluated for the presence of nonstorm water. The certification must be signed in accordance with Part II K of this permit, and include: (a) The date of any testing and/or evaluation; (b) Identification of potential significant sources of nonstorm water at the site; (c) A description of the results of any test and/or evaluation for the	**Section 3.2.1**

	Presence of nonstorm water discharges; (d) A description of the evaluation criteria or testing method used; and, (e) A list of the outfalls or on-site drainage points that were directly observed during the test. (2) Allowable Nonstorm Water Discharges: (a) The sources of nonstorm water listed in Part 1.f. above (Allowable Nonstorm Water Discharges) are allowable discharges under this permit provided the permittee includes the following information in the SWPPP: (i) Identification of each allowable nonstorm water source, except For flows from fire fighting activities; (ii) The location where the nonstorm water is likely to be discharged; and, (iii) Description of any BMPs that are being used for each source. (b) If mist blown from cooling towers is included as one of the Allowable nonstorm water discharges from the facility, the Permittee must specifically evaluate the potential for the Discharges to be contaminated by chemicals used in the cooling tower, and must select and implement BMPs to control such discharges so that the levels of cooling tower chemicals in the discharges would not cause or contribute to a violation of an applicable water quality standard.	**Section 3.2.2** **Appendix F**
(14)	**VA0083097, PART I, F. 2. e.:** Comprehensive Site Compliance Evaluation: The permittee shall conduct facility inspections (site compliance evaluations) at least once a year. The inspections must be done by qualified personnel, and may be either facility employees or outside consultants hired by the facility. The inspectors must be familiar with the industrial activity, the BMPs and the SWPPP and must possess the skills to assess conditions at the facility that could impact storm water quality, and to assess the effectiveness of the BMPs that have been chosen to control the quality of the storm water discharges. If more frequent inspections are conducted, the SWPPP must specify the frequency of inspections. (1) Scope of the Compliance Evaluation: Inspections must include all areas where industrial materials or activities are exposed to storm water, as identified in section b.(3) above (Summary of Potential Pollutant Sources) and areas where spills and leaks have occurred within the past 3 years. Inspectors should look for: (a) Industrial materials, residue or trash on the ground that could contaminate or be washed away in storm water; (b) Leaks or spills from industrial equipment, drums, barrels, tanks or similar containers; (c) Off-site tracking of industrial materials or sediment where vehicles enter or exit the site; (d) Tracking or blowing of raw, final or waste materials from areas of no exposure to exposed areas; and, (e) Evidence of, or the potential for, pollutants entering the drainage system. Results of both visual and any analytical monitoring done during the year must be taken into consideration during the evaluation. Storm water BMPs identified in the SWPPP must be observed to ensure that they are	**Section 3.5 & 7.4** **Appendix D**

	operating correctly. Where discharge locations or points are accessible, they must be inspected to see whether BMPs are effective in preventing significant impacts to receiving waters. Where discharge locations are inaccessible, nearby downstream locations must be inspected if possible. (2) Based on the results of the inspection, the SWPPP shall be modified as necessary (e.g., show additional controls on the map required by item (c) under section b.(2) above (Site Description); revise the description of controls required by section b.(6) above (Storm Water Controls) to include additional or modified BMPs designed to correct problems identified). Revisions to the SWPPP shall be completed within two weeks following the inspection, unless permission for a later date is granted in writing by DEQ. If existing BMPs need to be modified or if additional BMPs are necessary, implementation must be completed before the next anticipated storm event, if practicable, but not more than 12 weeks after the completion of the comprehensive site evaluation, unless permission for a later date is granted in writing by DEQ. (3) Compliance Evaluation Report: A report summarizing the scope of the inspection, name(s) of personnel making the inspection, the date(s) of the inspection, and major observations relating to the implementation of the SWPPP, and actions taken in accordance with section e.(2) above shall be made and retained as part of the SWPPP for at least three years from the date of the inspection. Major observations should include: the location(s) of discharges of pollutants from the site; location(s) of BMPs that need to be maintained; location(s) of BMPs that failed to operate as designed or proved inadequate for a particular location; and location(s) where additional BMPs are needed that did not exist at the time of inspection. The report shall identify any incidents of noncompliance. Where a report does not identify any incidents of noncompliance, the report shall contain a certification that the facility is in compliance with the SWPPP and this permit. The report shall be signed in accordance with Part II K. (4) Where compliance evaluation schedules overlap with routine inspections required under section b.(6)(b)(i)v.- above (Routine Facility Inspections), the annual compliance evaluation may be used as one of the routine inspections.	
(15)	**VA0083097, PART I, F. 2. f.:** Signature and Plan Review: (1) Signature/Location: The plan shall be signed in accordance with Part II K, and retained on-site at the facility in accordance with Part II B 2. (2) Availability: The permittee shall make the SWPPP, annual site compliance inspection report, and other information available to DEQ upon request. (3) Required modifications: DEQ may notify the permittee at any time that the plan does not meet one or more of the minimum requirements of this permit. The notification shall identify those provisions of the permit that are not being met, as well as the required modifications. The permittee shall make the required changed to the SWPPP within 60 days of receipt of such notification, unless permission for a later date is granted in writing by DEQ and shall submit a written certification to DEQ that the	**Page xi.**

	requested changes have been made.	
(16)	**VA0083097, PART I, F. 2. g.:** Maintaining and Updated SWPPP: The permittee shall amend the SWPPP whenever: (1) There is a change in design, construction, operation, or maintenance at the facility that has a significant effect on the discharge, or the potential for the discharge, of pollutants from the facility; (2) During inspections, monitoring, or investigations by facility personnel or by local, state, or federal officials, it is determined that the SWPPP is ineffective in eliminating or significantly minimizing pollutants from sources identified under section b.(3) above (Summary of Potential Pollutant Sources), or is otherwise not achieving the general objectives of controlling pollutants in discharges from the facility.	**Section7.6**
(17)	**VA0083097, PART I, F. 2. h.:** Additional Requirements for Storm Water Discharges Associated with Industrial Activity from Facilities Subject to EPCRA § 313 Reporting Requirements: Any potential pollutant sources for which the facility has reporting requirements under EPCRA 313 must be identified in the SWPPP in section b.(3) above (Summary of Potential Pollutant Sources). Note: this additional requirement is only applicable if the facility is subject to reporting requirements under EPCRA 313. "Section 313 water priority chemicals" means a chemical or chemical categories which: (i) are listed at 40 CFR 372.65 (2002) pursuant to § 313 of the Emergency Planning and Community Right-to-Know Act (EPCRA) (also known as Title III of the Superfund Amendments and Reauthorization ACT (SARA) of 1986) (42 USC § 11001 et seq.); (ii) are present at or above threshold levels at a facility subject to EPCRA § 313 reporting requirements; and (iii) that meet at least one of the following criteria: (a) are listed in Appendix D of 40 CFR Part 122 (2002) on either Table II (Organic priority pollutants), Table III (Certain metals, cyanides and phenols) or Table V (Certain toxic pollutants and hazardous substances); (b) are listed as a hazardous substance pursuant to § 311(b)(2)(A) of the Clean Water Act at 40 CFR 116.4 (2002); or (c) are pollutants for which EPA has published acute or chronic water quality criteria.	**Section 4.3**
(18)	**VA0083097, PART I, F. 3.:** Facility-specific Storm Water Conditions : In addition to the minimum standards listed in Part F.1. and 2., the storm water pollution prevention on plan shall include a complete discussion of measures taken to conform with the following applicable guidelines. In addition to the requirements in Part F.1. and 2., the plan shall include, at a minimum, the following items:	**See Reference #s 19-22**
(19)	**VA0083097, PART I, F. 3. a. (1): Landfill-** Description of Potential Pollutant Sources: (a) Drainage. A site map indicating locations of active and closed landfill cells or trenches, locations of active and closed land application areas, locations where open dumping is occurring or has occurred, locations of any known leachate springs or other areas where uncontrolled leachate may commingle with runoff, and locations of any leachate collection and handling systems. (b) Risk Identification and Summary of Potential Pollutant Sources. Include a narrative description of potential pollutant sources associated with any of the following, outdoor storage of significant materials including daily, interim and final cover material stockpiles as well as temporary waste storage areas; exposure of active and inactive landfill, land application, or open dumping areas; uncontrolled leachate flows; failure or leaks from leachate collection and	**Section 1.0 & 4.0** **Appendix A, B, & C**

	treatment systems; haul roads; and vehicle tracking of sediments.	
(20)	**VA0083097, PART I, F. 3. a. (2): Landfill-** Measures and Controls: (a) Preventive Maintenance. Where applicable, permittees addressed by this section shall also: i) maintain containers used for outdoor chemical and significant materials storage to prevent leaking or rupture; ii) maintain all elements of leachate collection and treatment systems to prevent commingling of leachate with storm water; and iii) maintain the integrity and effectiveness of any intermediate or final cover, including malting repairs to the cover as necessary to minimize the effects of settlement, sinking, and erosion. (b) Inspections. (i) For operating landfills, open dumps, and land application sites, qualified personnel shall inspect areas of landfills and open dumps that have not yet been finally stabilized, active land application areas, areas used for storage of materials/wastes that are exposed to precipitation, stabilization and structural control measures, leachate collection and treatment systems, and locations where equipment and waste trucks enter and exit the site. Erosion and sediment control measures shall be observed to ensure they are operating correctly. (ii) For inactive landfills, open dumps, and land application sites, qualified personnel shall inspect: landfill or open dump stabilization and structural erosion control measures and leachate collection and treatment systems, and all closed land application areas. (c) Recordkeeping and Internal Reporting Procedures. Landfill and open dump owners shall provide for a tracking system for the types of wastes disposed of in each cell or trench of a landfill or open dump. Land application site owners shall track the types and quantities of wastes applied in specific areas. (d) Sediment and Erosion Control. Landfill and open dump owners shall provide for temporary stabilization of materials stockpiled for daily, intermediate, and final cover. Stabilization practices to consider include, but are not limited to, temporary seeding, mulching, and placing geotextiles on the inactive portions of the stockpiles. Landfill and open dump owners shall provide for temporary stabilization of inactive areas of the landfill or open dump which have an intermediate cover but no final cover. Landfill and open dump owners shall provide for temporary stabilization of any landfill or open dumping areas which have received a final cover until vegetation has established itself. Land application site owners shall also stabilize areas where waste application has been completed until vegetation has been established.	**Section 5.0 & 6.0** **Section 6.2** **Section 4.5.1**
(21)	**VA0083097, PART I, F. 3. b. (1): Power Plant-**Description of Potential Pollutant Sources. Drainage. A site map which clearly outlines the locations of the following, as they apply to the facility: processing areas and buildings; treatment ponds; location of short and long term storage of general materials (including but not limited to: supplies, construction materials, plant equipment, oils, fuels, used and unused solvents, cleaning materials, paint, water treatment chemicals, fertilizers, and pesticides); landfills; location of construction sites; and locations of stock pile areas (such as coal piles and limestone piles).	**Section 1.0, 4.0** **Appendix A, B, & C**
(22)	**VA0083097, PART I, F. 3. b. (2): Power Plant-**Measures and Controls (a) Good Housekeeping. The following areas must be specifically addressed.	**Section 6.0,**

	(i) Fugitive Dust Emissions. The plan must describe measures that prevent or minimize fugitive dust emissions from coal handling areas. The permittee shall consider establishing procedures to minimize offsite tracking of coal dust. To prevent offsite tracking the facility may consider specially designed tires, or washing vehicles in a designated area before they leave the site, and controlling the wash water.	**Section 6.1**
	(ii) Delivery Vehicles. The plan must describe measures that prevent or minimize contamination of storm water runoff from delivery vehicles arriving on the plant site. At a minimum the permittee should consider the following: (i) Develop procedures for the inspection of delivery vehicles arriving on the plant site, and ensure overall integrity of the body or container; and (ii) Develop procedures to deal with leakage or spillage from vehicles or containers, and ensure that proper protective measures are available for personnel and environment.	**Section 6.2**
	(iii)Fuel Oil Unloading Areas. The plan must describe measures that prevent or minimize contamination of storm water runoff from fuel oil unloading areas. At a minimum the permittee must consider using the following measures, or an equivalent: i) Use containment curbs in unloading areas; ii) During deliveries station personnel familiar with spill prevention and response procedures must be present to ensure that any leaks or spills are immediately contained and cleaned up; and iii) Use spill and overflow protection (drip pans, drip diapers, and/or other containment devices shall be placed beneath fuel oil connectors to contain any spillage that may occur during deliveries or due to leaks at such connectors).	**Section 4.4 & 6.2**
	(iv)Chemical Loading/Unloading Areas. The plan must describe measures that prevent or minimize the contamination of storm water runoff from chemical loading/unloading areas. Where practicable, chemical loading/unloading areas should be covered, and chemicals should be stored indoors. At a minimum the permittee must consider using the following measures or an equivalent: i) Use containment curbs at chemical loading/unloading areas to contain spills; and ii) During deliveries station personnel familiar with spill prevention and response procedures must be present to ensure that any leaks or spills are immediately contained and cleaned up.	**Section 4.3 & 6.4**
	(v) Miscellaneous Loading/Unloading Areas. The plan must describe measures that prevent or minimizes the contamination of storm water runoff from loading and unloading areas. The plan may consider covering the loading area, minimizing storm water runon to the loading area by grading, berming, or curbing the area around the loading area to direct storm water away from the area, or locate the loading/unloading equipment and vehicles so that leaks can be contained in existing containment and flow diversion systems.	**Section 4.3 & 6.5**
	(vi) Liquid Storage Tanks. The plan must describe measures that prevent or minimize contamination of storm water runoff from above ground liquid storage tanks. At a minimum the permittee must consider employing the following measures or an equivalent: i) Use protective	**Section 4.3 & 6.6**

	guards around tanks; ii) Use containment curbs; iii) Use spill and overflow protection (drip pans, drip diapers, and/or other containment devices shall be placed beneath chemical connectors to contain any spillage that may occur during deliveries or due to leaks at such connectors); and iv) Use dry cleanup methods.	
	(vii)Large Bulk Fuel Storage Tanks. The plan must describe measures that prevent or minimize contamination of storm water runoff from liquid storage tanks. At a minimum the permittee must consider employing the following measures, or an equivalent: i) Comply with applicable State and Federal laws, including Spill Prevention Control and Countermeasures (SPCC); and ii) Containment berms.	**Section 4.4 & 6.7**
	(viii)The plan must describe measures to reduce the potential for an oil spill, or a chemical spill, or reference the appropriate section of their SPCC plan. At a minimum the structural integrity of all above ground tanks, pipelines, pumps and other related equipment shall be visually inspected on a weekly basis. All repairs deemed necessary based on the findings of the inspections shall be completed immediately to reduce the incidence of spills and leaks occurring from such faulty equipment.	**Section 6.8**
	(ix)Oil Bearing Equipment in Switchyards. The plan must describe measures to reduce the potential for storm water contamination from oil bearing equipment in switchyard areas. The permittee may consider level grades and gravel surfaces to retard flaws and limit the spread of spills; collection of storm water runoff in perimeter ditches.	**Section 6.9**
	(x) Residue Hauling Vehicles. All residue hauling vehicles shall be inspected for proper covering over the load, adequate gate sealing and overall integrity of the body or container. Vehicles without load coverings or adequate gate sealing, or with leaking containers or beds must be repaired as soon as practicable.	**Section 6.10**
	(xi) Ash Loading Areas. Plant procedures shall be established to reduce and/or control the tracking of ash or residue from ash loading areas for example, where practicable, requirements to clear the ash building floor and immediately adjacent roadways of spillage, debris and excess water.	**Section 6.11**
	(xii)Areas Adjacent to Disposal Ponds or Landfills. The plan must describe measures that prevent or minimize contamination of storm water runoff from areas adjacent to disposal ponds or landfills. The permittee must develop procedures to: i) Reduce ash residue which may be tracked on to access roads traveled by residue trucks or residue handling vehicles; and ii) Reduce ash residue on exit roads leading into and out of residue handling areas.	**Section 6.12**
	(xiii) Landfills, Scrapyards, Surface Impoundments, Open Dumps, General Refuse Sites. The plan must address landfills, scrapyards, surface impoundments, open dumps and general refuse sites.	**Section 6.13**
	(xiv)Maintenance Activities. For vehicle maintenance activities performed on the plant site, the permittee shall use the applicable BMPs outlined in Part IV O.	**Section 6.14**
	(xv) Material Storage Areas. The plan must describe measures that	**Section 6.15**

		prevent or minimize contamination of storm water from material storage areas (including areas used for temporary storage of miscellaneous products, and construction materials stored' in lay down areas). The permittee may consider flat yard grades, runoff collection in graded swales or ditches, erosion protection measures at steep outfall sites (e.g., concrete chutes, riprap, stilling basins), covering lay down areas, storing the materials indoors, covering the material with a temporary covering made of polyethylene, polyurethane, polypropylene, or hypalon. Storm water runon may be minimized by constructing an enclosure or building a berm around the area.	
	(b)	Inspections. Qualified facility personnel shall be identified to inspect the following areas: coal handling areas, loading/ unloading areas, switchyards, fueling areas, bulk storage areas, ash handling areas, areas adjacent to disposal ponds and landfills, maintenance areas, liquid storage tanks, and long term and short term material storage areas.	**Section 3.4 & 7.3** **Appendix E**
	(c)	Employee Training. Training should address topics such as goals of the pollution prevention plan, spill prevention and control, proper handling procedures for hazardous wastes, good housekeeping and material management practices, and storm water sampling techniques. The pollution prevention plan shall identify periodic dates for such training, but in all cases training must be held at least annually.	**Section 5.2.1**

CERTIFICATION OF PLAN REVIEW

VA 0083097 PART I, F. 2. f.: Signatory and Plan Review (SWPPP Cross Reference #2)

The storm water outfalls at this Station have been evaluated for the presence of non-storm water discharges in accordance with the Station's VPDES permit VA0083097.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment for knowing violations.

Signature:		Date: 06/15/09
Printed Name:	Cristie D. Neller	
Title:	Station Director	

1.0 FACILITY INFORMATION

1.1 Facility Description - General

VA0083097, PART I, F. 2. b. (2)(a): Site Description: A description of the nature of the industrial activities at the facility; (SWPPP Cross Reference #2, 19, & 21)

At this facility: A site location and topographical map of the facility is in **Appendix A** of this Plan and a Site Plan in **Appendix B**. **Appendix C** has two maps: a site map with all of the stormwater components excluding the oil-related components, and a site map with only the oil-related components.

Clover Power Station (The Station) is located on the western bank of the Roanoke River in Halifax County, near Clover, Virginia, approximately 85 miles southwest of Richmond, Virginia, as shown in Figure 1. The topography is gently rolling with elevations ranging between 300 to 460 feet above mean sea level. Streams in the vicinity of the station flow into the Roanoke River. Land use consists of a mix of forest, agricultural land, wetlands, open water, and residential.

The station is comprised of two 465 MW pulverized coal-fired steam electric generating units. The units burn No. 2 fuel oil during start up. The station has storage facilities for No. 2 fuel oil, lubricating oil, and gasoline. Storage capacities are summarized in Section 4.0 of this Plan. Oil is delivered to the site only by truck.

1.2 Facility Owner and Operator

Facility Operator:	Dominion Generation	Owner Name:	Virginia Electric and Power Co. & Old Dominion Electric
Address:	P.O. Box 26666 Richmond, VA 23261	Address:	5000 Dominion Blvd. Glen Allen, VA 23060
Telephone:	(434) 454-2150	Telephone:	804-273-2991

2.0 CONTACTS & TEAM MEMBERS

2.1 Pollution Prevention Team

VA0083097, PART I, F. 2. b. (1): Pollution Prevention Team: The SWPPP shall identify the staff individuals by name or title that comprise the facility's SWPPP team. The pollution prevention team is responsible for assisting the facility or plant manager in developing, implementing, maintaining and revising the facility's SWPPP. Responsibilities of each staff individual on the team must be listed and shall address all aspects of the facility's plan. (SWPPP Cross Reference #1)

Name	Title	Contact Number
Cristie D. Neller	Station Director (1)	(434) 454-2028
Tim Hamlet	Sr. Environmental Compliance Coordinator (2)	(434) 454-2150
Shelley Wojciechowski	Chemist II (3)	(434) 454-2183
Beverly Renfo	Chemist III (3)	(434) 454-2104
Terri Spainhour	Chemist II (3)	(434) 454-2193
Rick Woolard	Environmental Specialist III (4)	(804) 273-2991

(1) RESPONSIBLE PERSON FOR OVERALL COORDINATION AND DEVELOPMENT.
(2) RESPONSIBLE PERSON FOR COORDINATION OF CORPORATE ENVIRONMENTAL AND STATION REQUIREMENTS: IMPLEMENTATION, TRAINING, AND REVISIONS TO PLAN.
(3) RESPONSIBLE FOR DESIGNATED STORM WATER INSPECTION, MONITORING, AND SAMPLE ANALYSIS.
(4) RESPOSIBLE PERSON FOR PERMIT INTERPRETATION.

2.2 Spill Prevention and Response

VA0083097, PART I, F. 2. b. (4): Spills and Leaks: The SWPPP must clearly identify areas where potential spills and leaks that can contribute pollutants to storm water discharges can occur, and their accompanying drainage points. For areas that are exposed to precipitation or that otherwise drain to a storm water conveyance at the facility, the plan must include a list of significant spills and leaks of toxic or hazardous pollutants that occurred during the three-year period prior to the date of the submission of the application for this permit. The list must be updated if significant spills or leaks occur in exposed areas of the facility during the term of this permit. Significant spills and leaks include releases of oil or hazardous substances in excess of reportable quantities, and may also include releases of oil or hazardous substances that are not in excess of reporting requirements. (SWPPP Cross Reference #7)

The Station's Plant Director and Senior Environmental Compliance Coordinator are on-call 24hrs a day, 7 days a week. The Station's Operator(s) are to contact either, the Plant Director or the Senior Environmental Compliance Coordinator in the event of a spill and/or leak.

Written procedures are referenced in Sections 5.2.1 Employee Training are maintained in the Station's files. The Spill Prevention, Control, and Countermeasures (SPCC) Plan (which is found under separate cover at the Station) reference the appropriate actions for oil spills/leaks.

More on previous spills and leaks can be found in Section 7.

2.3 POTW City Notification Requirement

N/A

N/A

3.0 SAMPLING / MONITORING AND INSPECTION REQUIREMENTS

VA0083097, PART I, F. 2. b. (5): Sampling Data: The SWPPP must include a summary of discharge sampling data. (SWPPP Cross Reference #8)

3.1 Summary of Outfalls

The station's individual VPDES Permit VA0083097 encompasses both storm water and non-storm water outfalls. Storm water drainage areas and associated outfalls are shown on the site map included with this plan. The drainage areas, discharge locations, and receiving streams are described below, along with a listing of possible contaminants, allowable non-storm water discharges and a description of each drainage area. The VPDES permit and historical sampling data are maintained under separate cover at the Station in the VPDES permit files. A summary of the stormwater test results collected during the current permit terms will be kept in the Station's files.

Some monitoring is required for the below outfalls. All stormwater outfalls must be sampled and visually inspected for the parameters specified in Section 3.3 of this Plan. The flow from Outfall 002 must be estimated daily. Outfall 002 is sampled twice a month and monitored for pH and total suspended solids (TSS). The pH must be between 6.0 and 9.0, while the TSS limit is 50 mg/L maximum.

The flow from Outfalls 003, 004, 005, 006, 007, 008, 011, 012, 013, 014, 015, and 016 are sampled yearly and monitored for pH, TSS, and Total Recoverable Iron annually. The stormwater flow must be estimated from each outfall annually. There are no limits specified for these parameters. Outfalls 014, 015 and 016 will be sampled once Stage 3 Landfill area Phase 2B is completed.

The flow from Outfall 009 must be estimated daily. Outfall 009 is sampled once a month and analyzed for total recoverable manganese. Twice a month sampling is conducted to monitor the pH and total suspended solids (TSS) for Outfall 009. The pH must be between 6.0 and 9.0, while the TSS limit is 50 mg/L maximum.

Outfalls 003 and 009 are required to have biological monitoring for *Ceriodaphnia dubia* and *Pimephales promelas* annually. The test dilutions should be able to determine compliance with the following endpoints.

Outfall 003- Acute LC_{50} of 100% equivalent to a TU_a of 1.00
Outfall 009- Acute LC_{50} of 11% equivalent to a TU_a of 9.09

The non-stormwater discharges are described in Section 3.2 of this Plan.

<u>Outfall 003 (Landfill runoff pond Stage I & II)</u>
The drainage area associated with Outfall 003 includes stormwater runoff from the capped and closed Stage I & II coal combustion by-product (CCB) landfill, which is approximately 26 acres. This stormwater runoff can be discharged to Black Walnut Creek or can be routed to commingle with Outfall 009. Leachate from the landfill has been permanently routed to commingle with Outfall 009 which has been routed to the Roanoke River. Since vegetation has been established on this closed landfill and it is being maintained in post-closure care, the only possible contaminant would be traces of sediment from stormwater runoff from the grass covered slopes.

<u>Outfall 004 (Power Block and Switchyard)</u>
The drainage area associated with this outfall affected by Clover Power Station property includes the main station footprint and associated switchyard. Outfall 004 discharges to the Roanoke River and drains approximately 578 acres. Possible storm water contaminants from this area includes those with the following industrial activities; coal and coal combustion by-products, limestone, transformer oil, oil &

grease, TPH, and Ethylene glycol. The following allowable non-storm water discharges may enter this Outfall periodically in small quantities; fire hydrant system flush water, potable water, air conditioning condensate, pavement wash waters, demineralized water and incidental cooling tower mist. When at all possible, these discharges will be in small quantities and should not occur during periods of rain to prevent or minimize runoff to stormwater drainage areas. Runoff from off station property includes small areas of farmland and wooded areas. Impacts to station stormwater outfall is insignificant.

Outfall 005

The drainage area for Outfall 005 is located west of the power station. This outfall has a 215 acre drainage area and majority of the drainage area is bounded on the east by the railroad tracks and on the west by the SR600. A portion of the drainage area extends north of the ash haul road. The coal thaw shed electrical transformers secondary containments drain to the ground in this area only after the collected stormwater is determined to be free of contaminants. Outfall 005 discharges to the Roanoke River. The most likely sources of storm water contamination within this area include a portion of the coal and limestone railroad unloading areas, coal combustion byproducts from the ash haul road and transformer oil. The following allowable non-storm water discharges may enter this Outfall periodically in small quantities; pavement wash waters. When at all possible, these discharges will be in small quantities and should not occur during periods of rain to prevent or minimize runoff to stormwater drainage areas.

Outfalls 006, 007 and 008

The drainage areas for Outfalls 006, 007 and 008 are approximately 26 acres, 64 acres and 32 acres respectively. The drainage areas are contiguous and include sections of the ash haul road and vegetated land. These outfalls discharge to Black Walnut Creek. The most likely source of storm water contamination associated with these drainage areas is coal combustion byproducts from the ash haul road. In addition, the ash hauling contractor's maintenance facilities are also located in the drainage area for Outfall 007. An estimated runoff coefficient for all 3 Outfalls is low. Since the DEQ has stated these 3 Outfalls can be represented by samples collected at 1 Outfall, Outfall 007 will typically be the sample point.

Outfalls 011, 012, and 013

The drainage areas for Outfalls 011, 012, and 013 are approximately 22, 16 and 20 acres respectively and all are storm water retention basins associated with the Stage III landfill. All three outfalls discharge to Black Walnut Creek. The most likely sources of storm water contamination within these drainage areas are the ash haul road, Stage III landfill slope stormwater runoff and the soil stockpile areas. Runoff coefficients for these Outfalls are considered to be medium. Since the DEQ has stated these 3 Outfalls can be represented by samples collected at 1 Outfall, Outfall 011 will typically be the sample point. As of fall of 2008, Stage 3 Phase I (drainage associated with Outfall 011) has been capped.

Outfalls 014, 015 and 016

During the construction of the pipeline route in 2004 which delivers Outfall 009 to the Roanoke River, three new stormwater sediment basins were created. The basins collect stormwater runoff from sloped areas of the Stage 3, Phase 2B landfill which has yet to be constructed. No contaminants will be associated with these Outfalls until the Phase 2B of the landfill is constructed in the future; however they will each be sampled if they fill with stormwater and discharge prior to 2B construction. Runoff coefficients prior to 2B construction are considered to be low and after construction they will all be considered medium. The current drainage area for Outfall 014 is approximately 0.42 acres, Outfall 015 is approximately 0.45 acres and Outfall 016 is approximately 9.7 acres.

3.2 Non-Storm Water Discharges

3.2.1 Certification of Non-Storm Water Discharges

VA0083097, PART I, F. 2. d. Non-Storm Water Discharge. (SWPPP Cross Reference #13)

The following information is from the June 27, 2005 VPDES application Form 2F.
Outfalls 004, 005, 006, 007, 008, 010, 011, 012, and 013 were visually inspected on May 24, 2005. No flow was observed in Outfalls 006, 010, 011, 012 and 013. Some flow was observed in Outfalls 004, 005, 007 and 008, so each drainage area was walked to determine the source of flow. In each case the source was determined to be of natural origin (e.g. groundwater).

3.2.2 Allowable Non-Storm Water Discharges

VA0083097, PART I, D. 3. d.: Nonstorm Water Discharges: (2) Allowable Nonstorm Water Discharges (SWPPP Cross Reference #13)

The Clover Power Station's discharges are permitted by the Virginia Department of Environmental Quality (DEQ) in an Individual Industrial Permit through the Virginia Pollutant Discharge Elimination System (VPDES) program. The VPDES Permit (Permit no. VA0083097) combines both industrial wastewater and storm water discharges.

The facility is permitted under the same above referenced permit in Part I.F.1.f., for the following "Allowable Nonstorm Water Discharges".

- Discharge from fire fighting activities;
- Fire Hydrant Flushing;
- Potable water, including water line flushings,
- Uncontaminated air conditioning or compressor condensate;
- Irrigation drainage;
- Landscape watering provided all pesticides, herbicides, and fertilizer have been applied in accordance with manufacturer's instructions;
- Pavement wash water where no detergents are used and no spills or leaks of toxic or hazardous materials have occurred (unless all spilled materials has been removed);
- Routine external building wash down which does not use detergents;
- Uncontaminated ground water or spring water;
- Foundation or footing where flows are not contaminated with process materials such as solvents;
- Incidental windblown mist from cooling towers that collects from rooftops or adjacent portions of the facility, but not intentional discharge from the cooling tower (e.g. "piped" cooling tower blowdown or drains).
- Demineralized water from storage tanks.

(The Cooling Tower windblown study is included as Appendix F.)

Clover Power Station's discharges are permitted by VA DEQ as Individual Industrial Major VPDES permit. The VPDES permit No. VA0083097 combines both industrial wastewater and storm water discharges. The following are the VPDES permitted wastewater outfalls: These outfalls have their own monitoring requirements.

Outfall 001: Wastewater from the cooling towers, sanitary sewage treatment works and floor drains. Discharges to the Roanoke River. This outfall receives discharges from Outfall 101, 102, and 103 for final treatment.

Outfall 101: Cooling tower blowdown. Discharges to the Roanoke River.

Outfall 102: Neutralization basin that collects wastewater from the chemical drains and chemical cleaning wastes. Discharges to the Roanoke River.

Outfall 103: Sewage treatment plant. Discharges to the Roanoke River.

Outfall 002: Coal/Limestone runoff pond, Equipment Maintenance area and temporary ash stack out pad. Discharges to Roanoke River

Outfall 009: Stage III landfill runoff pond (Leachate & Storm Water). Discharges to the Roanoke River.

3.3 Monitoring Requirements

VA0083097, PART I, F. 2. b. (5): Sampling Data: (SWPPP Cross Reference #8)

EFFLUENT MONITORING PARAMETERS OF VPDES PERMIT

Discharge Characteristics	Monitoring Frequency	VDPES Permit # VA0083097 Monitoring Location
Flow (MG)	Annually	003,004,005,007, & 011
pH (standard units)	Annually	003,004,005,007, & 011
Total Suspended Solids (mg/l)	Annually	003,004,005,007, & 011
Total Recoverable Iron (mg/l)	Annually	003,004,005,007, & 011
Estimate total volume of flow sampled	All sampling and monitoring events	003,004,005,007, & 011
Floating Solids	All sampling and monitoring events	003,004,005,007, & 011
Visible Foam	All sampling and monitoring events	003,004,005,007, & 011

In addition to the storm event parameters monitored above, this facility shall maintain a monthly log documenting the amount of rainfall received at this facility on a daily basis.

Additional analytical monitoring requirements shall be initiated after the start of the third year from the permit's effective date (commence on January 29, 2009) for Outfalls 003 and 009 for the substances noted in Attachment A of the Permit. Monitoring and analysis frequencies must be conducted either once

every 6 months or once during the five year period, depending on substance, in accordance with 40 CFR 136 or alternative EPA approved method. Monitoring frequencies for all substances are specified in Attachment A of the Permit. Analytical data must be reported using Attachment A of the Permit and submitted no later than June 30, 2010.

Visual examinations of storm water discharges must be performed for all storm water outfalls and documented during each of the following three-month periods: January-March, April-June, July-September, and October-December. Visual examinations must be conducted during normal working, daylight hours for the parameters outlined in the table below; in the event no storm event results in runoff during a monitoring quarter, the facility is excused from this requirement provided that documentation maintained with monitoring records indicates no runoff occurred.

VISUAL SAMPLING REQUIREMENTS

Discharge Characteristics	Visual Observation Frequency	VDPES Permit # VA0083097 Monitoring Location
Color	Quarterly	003,004,005,007, & 011
Odor	Quarterly	003,004,005,007, & 011
Clarity	Quarterly	003,004,005,007, & 011
Floating Solids	Quarterly	003,004,005,007, & 011
Suspended Solids	Quarterly	003,004,005,007, & 011
Foam	Quarterly	003,004,005,007, & 011
Oil Sheen	Quarterly	003,004,005,007, & 011
Other visual indicators	Quarterly	003,004,005,007, & 011

Annual acute toxicity tests must be performed for Outfall 003, in addition to the wastewater outfalls, for the term of the Permit. Grab samples shall be collected for the acute tests described in the table below by December 31st of each year and results shall be reported with a DMR by January 10th the following year. Test procedures and reporting shall be in accordance with 40 CFR 136.3. Test data will be evaluated for reasonable potential at the conclusion of the test period and reevaluated at the end of the Permit term. In the event that evaluation of the data indicates that a limit is needed, a whole effluent toxicity (WET) limit and compliance schedule will be required and toxicity tests may be discontinued.

ACUTE TOXICITY TESTING REQUIREMENTS

Acute Test	Frequency	VDPES Permit # VA0083097 Monitoring Location
48 Hour Static Acute test for *Ceriodaphnia dubia*	Annual	003, 009
48 Hour Static Acute test for *Pimephales promelas*	Annual	003, 009

3.4 SWPPP Inspection Requirements

VA0083097, PART I, F. 2. b. (6)(b)(i)v. Routine Facility Inspections and PART I, F. 2. c. Maintenance. (SWPPP Cross Reference #10, 12, & 22)

Facility personnel who are familiar with the industrial activity, the BMPs and the SWPPP shall be identified to inspect all areas of the facility where industrial materials or activities are exposed to stormwater. This facility inspects storm water systems on a quarterly schedule, **(January – March),**

(April – June), **(July – September)**, and **(October – December)**. Any deficiencies in the implementation of the SWPPP found must be corrected as soon as possible, but not later than within 14 days of the inspection, unless permission is received for the extension by DEQ. For example inspection forms, please see Appendix E. Completed forms are kept at the Facility under a separate cover.

Corrective Actions: The Station uses the SAP system to enter and track work orders for issues that require construction, decommissioning, etc. Minor issues are discusses in the daily meeting and tracked by routine inspections.

3.5 Comprehensive Site Compliance Evaluation

VA0083097, PART I, F. 2. e.: Comprehensive Site Compliance Evaluation: The permittee shall conduct facility inspections (site compliance evaluations) at least once a year. The inspections must be done by qualified personnel, and may be either facility employees or outside consultants hired by the facility. The inspectors must be familiar with the industrial activity, the BMPs and the SWPPP and must possess the skills to assess conditions at the facility that could impact storm water quality, and to assess the effectiveness of the BMPs that have been chosen to control the quality of the storm water discharges. If more frequent inspections are conducted, the SWPPP must specify the frequency of inspections. (SWPPP Cross Reference #14)

The SWPPP shall be reviewed and updated on **Annual** basis and can coincide with one of the quarterly inspections. For records of annual reviews, see Section 7.4 and/or Appendix D.

Note: The permit requires the SWPPP to be amended within 14 days of the Annual evaluation and 12 weeks to implement the Action Items unless DEQ approves a written time extension request.

4.0 POTENTIAL POLLUTANT SOURCES

VA0083097, PART I, F. 2. b(3).: Summary of Potential Pollutant Sources: (SWPPP Cross Reference #6)
VA0083097, PART I, F. 3. a. (1): Risk Identification and Summary of Potential Pollutant Sources. (Cross Reference #19)

A SWPPP evaluation and associated SPCC Plan updating reviews identify the following equipment and areas that could potentially impact storm water as a result of spills during oil or chemical transfer operations. The likelihood is low and is primarily associated with storm drain vicinity to the equipment/operation. Please refer to Appendix C for general sheet flow direction.

These areas represent the most likely areas where storm water can be impacted.

4.1 Summary of Potential Pollutant Sources

Facility Area	Activity	Pollutant(s) or Pollutant Parameter(s)
Fuel Tank Areas	Fueling and Storage	POLLUTANT: Diesel and Gasoline DIRECT EXPOSURE: No POTENTIAL TO DISCHARGE: No
Warehouse Area	Unloading	POLLUTANT: Various chemicals See Bulk Chemicals listed in Section 4.3 DIRECT EXPOSURE: No POTENTIAL TO DISCHARGE: Yes
Cooling Tower Areas	Unloading and Storage	POLLUTANT: Sodium Hypochlorite, Sulfuric Acid, Sodium Bromide, Hydrogen Peroxide and BD 1500 DIRECT EXPOSURE: No POTENTIAL TO DISCHARGE: Yes
Landfill Area	Unloading and Storage	POLLUTANT: Sodium Hydroxide DIRECT EXPOSURE: No POTENTIAL TO DISCHARGE: No
Coal, Ash & Limestone Handling Area	Unloading and Storage	POLLUTANT: Coal, Ash, limestone, sand, Trash and Metal Dumpsters DIRECT EXPOSURE: Yes POTENTIAL TO DISCHARGE: No
Conveyor system moving coal, limestone, and ash	Transporting	POLLUTANT: Coal, Ash and Limestone DIRECT EXPOSURE: Yes POTENTIAL TO DISCHARGE: Yes
Ash Haul Roads	Transporting (Trucks haul ash to the Landfill from the Power Plant)	POLLUTANT: Coal Combustion By-product (CCB) DIRECT EXPOSURE: Yes POTENTIAL TO DISCHARGE: Yes
Landfill	Unloading and Storage, Equipment Maintenance	POLLUTANT: CCB associated pollutants, and Oil & Grease DIRECT EXPOSURE: Yes POTENTIAL TO DISCHARGE: Yes
Ash Hauling Contractor's Maintenance Area	Hauling equipment storage, dumpster, fueling area	POLLUTANT: Equipment related pollutants, fuel, and dumpster material DIRECT EXPOSURE: Yes POTENTIAL TO DISCHARGE: Yes

Soil stockpile area	Soil is stored to be used as cover	POLLUTANT: Soil DIRECT EXPOSURE: Yes POTENTIAL TO DISCHARGE: No
Laydown Area Metal/additional material storage area	Storage	POLLUTANT: Rust and particles DIRECT EXPOSURE: Yes POTENTIAL TO DISCHARGE: Yes
Vehicle Washing Areas (2) in Outfall 009	Vehicle Washing	POLLUTANT: Particles and oil products from the vehicles DIRECT EXPOSURE: Yes POTENTIAL TO DISCHARGE: No
Equipment Maintenance Facility (Map Key 27)	Equipment Maintenance and Storage	POLLUTANT: Petroleum Products and Antifreeze DIRECT EXPOSURE: Yes POTENTIAL TO DISCHARGE: No
		POLLUTANT: DIRECT EXPOSURE: POTENTIAL TO DISCHARGE:
		POLLUTANT: DIRECT EXPOSURE: POTENTIAL TO DISCHARGE:

4.2 Site Bulk Chemicals/ Materials

Chemical / Material Storage		
Storage Tank Type	**Storage Capacity (Gallons)**	**Secondary Containment (Gallons/measures)**
Sodium Hydroxide Tank (Map key (100))	5500 gallon tank at Stage III landfill	Located adjacent to lined landfill cell and would drain to the retention pond for Outfall 009.
Sulfuric Acid Tank (Map key (101))	5,000 gal. at water treatment plant	Equipped with secondary containment berm (berm drains to Outfall 102), and located in Outfall 004 drainage area.
Sulfuric Acid Tank (Map key (102))	5,000 gal. at Cooling Tower #1	Equipped with secondary containment berm (berm drains to Outfall 102), and located in Outfall 004 drainage area.
Sulfuric Acid Tank (Map key (103))	5,000 gal. at Cooling Tower #2	Equipped with secondary containment berm berms (berm drains to Outfall 102), and located in Outfall 004 drainage area.
Sulfuric Acid Tank (Map key (104))	150 gal. at water treatment plant	Equipped with secondary containment berms berms (berm drains to Outfall 102), and located in Outfall 004 drainage area.
Scale Control Chemical Tank (Map key (105))	550 gal. at SNCR	In secondary containment concrete berm (berm drains to Outfall 102), located in Outfall 004 drainage area.
Urea (Map key (106))	2 silos-450,000 lbs. each	In secondary containment concrete berm (berm drains to Outfall 102), located in Outfall 004 drainage area.
Urea (Map key (106))	Solutionizer/Mix tank- 40,000 gal.	In secondary containment concrete berm (berm drains to Outfall 102), located in Outfall 004 drainage area.
Urea (Map key (106))	2 solution storage tanks-40,000 gal. each	In secondary containment concrete berm (berm drains to Outfall 102), located in Outfall 004 drainage area.
Sodium Bromide Tank (Map key (102))	4,200 gal.	In secondary containment concrete berm (berm drains to Outfall 102), and located in Outfall 004 drainage area.
Coal Pile Storage (Map key (19))	90 Day Storage	Surrounded with concrete ditch that drains to a retention pond (Coal Pile Retention Pond). Located in Outfall 002 drainage area (Process Water).
Limestone and Sand Storage (Map key (23))	Varies	Drainage is directed to the Coal Pile Retention Pond. Located in Outfall 002 drainage area (Process Water).
Ash Handling / Stack-out (CCB) (Map key (24))	Varies	Drainage is directed to the Coal Pile Retention Pond. Located in Outfall 002 drainage area (Process Water).

Chemical / Material Storage		
Storage Tank Type	**Storage Capacity (Gallons)**	**Secondary Containment (Gallons/measures)**

These tables do not include any oil-containing materials, as those are managed under in the Facility's SPCC Plan under a separate cover and available upon request.

Chemical Containing Equipment		
Storage Tank Type	**Storage Capacity (Gallons)**	**Structural BMPs Secondary Containment (Gallons)**
Cooling Tower #1: Various Chemicals (Map Key (10))	Varied	Concrete basin. Located in Outfall 004 drainage area.
Cooling Tower #2: Various Chemicals (Map Key (10))	Varied	Concrete basin. Located in Outfall 004 drainage area.

Chemical & Material Unloading & Transfer Facilities		
Unloading/Transfer Facility Name, Number	**Storage Capacity (Gallons)**	**Structural BMPs Secondary Containment (Gallons)**
Sodium Hydroxide (Map key (100, 101, & 110))	Approximately 4,000 gallons	Station personnel are required to monitor unloading activity. Located in drainage area for Outfall 004 & 009 drainage area.
Sulfuric Acid (Map key (101, 102, 103, & 104))	Approximately 3,500 gallons	Station personnel are required to monitor unloading activity. Located in drainage area for Outfall 004.
Alumimum Sulfate (Map Key (101))	Approximately 5,000 gallons	Station personnel are required to monitor unloading activity. Located in drainage area for Outfall 004.
Sodium Hypochlorite (Map key (102))	Approximately 5,500 gallons	Station personnel are required to monitor unloading activity. Located in drainage area for Outfall 004.
Hydrogen Peroxide / BD-1500 Soap (Map key (111, 112))	350 gallon totes	Station personnel are required to monitor unloading activity. Located in drainage area for Outfall 004.
Phosphate Based Inhibitor (Map key (102, 103))	Approximately 4,500 gallons	Station personnel are required to monitor unloading activity. Located in drainage area fro Outfall 004.
Rail Unloading Area: Coal Unloading (Map Key (20)) Limestone Unloading (Map key (21))	Approximately 100 tons	The coal unloading area is completely covered; however the other areas are uncovered. Areas around unloading structures including railroad tracks drain to the coal/limestone runoff pond for sediment retention. Areas adjacent to the tracks are maintained with a vegetated buffer for sediment control. Located in Outfall 002 drainage area (Process Water).
CCB Transfer to Landfill (Map key (38))	Approximately 25 tons	Haul Trucks are required to cover loads and maintain gate seals. The haul road pass through Outfall 002 (Process Water) and Outfall 005, 007, and 013's drainage area.
Dry Urea Silos (Map key (106))	Approximately 20-27 tons (dry weight)	Silos are contained within a concrete berm that discharges to a wastewater outfall. The unloading of this material takes place east of those silos on a concrete drive. During transfers, the truck and hose delivering the materials are inside an area that drains to Outfall 102.
Sodium Bromide (Map key (102))	4000 Gallons	Located in Outfall 004 drainage area.

4.3 EPCRA § 313 Reporting Requirements

VA0083097, PART I, F. 2. h.: Additional Requirements for Storm Water Discharges Associated with Industrial Activity from Facilities Subject to EPCRA § 313 Reporting Requirements: (SWPPP Cross Reference #17)

This Facility generates electricity by burning Coal and therefore the relevant EPCRA 313 (TRI) pollutants are typically associated with Coal and Coal Combustion By-product (CCB). A TRI report is submitted on an annual basis and identifies all TRI chemicals that may be released to Air, Land and Water. Copies of the Annual TRI reports and filed in the Station ECC's office and available upon request.

4.4 Site Bulk Oil

The oil related tables are from the Station's SPCC Plan, and is maintained at the Station under separate cover.

4.5 Sediment & Erosion

4.5.1 Sediment and Erosion Control

VA0083097, PART I, F. 2. b. (6)(b)(ii): Structural BMPs: i.- Sediment and Erosion Control: (SWPPP Cross Reference #11 & 20)

The Station utilizes curbs, concrete ditches, rocks and grates/inlets to control storm water runoff. Some of the grates/inlets are surrounded with hay bales, soil/riprap, and silt fences. Approximately 50% of the property is impervious surfaces such as roof tops and paved parking lots and roads. The other 50% are ponds, coal pile storage, graveled and some grassy areas. No evidence of severe erosion is currently present.

4.5.2 Construction Erosion & Sediment Control

VA0083097, PART I, F. 2. b. (6)(b)(ii): Structural BMPs: i.- Sediment and Erosion Control: (SWPPP Cross Reference # 11)

Appendix G is reserved for Erosion Control and Sediment Plan insertion in the event of construction activity at the Station. Such plans are required for Construction Storm Water Permits and developed with a specific focus on site topography, drainage patterns, soils, ground cover, and adjacent runoff areas.

5.0 STORM WATER CONTROLS

VA0083097, PART I, F. 2. b. (6)(a): Storm Water Controls: (SWPPP Cross Reference #9 & 11)

Storm water management controls appropriate for the Station can be summarized as follows:

UNIT OR AREA NAME	APPROPRIATE STORM WATER MANAGEMENT CONTROLS
Storage Tanks	Secondary containment, shutoff valves, unloading procedures, inspections, spill kits, and sampling secondary containment stormwater for appropriate materials
Oil Filled Mechanical Equipment	Secondary containment, inspections, and spill kits
Material Transfer Areas	Secondary containment, written procedures, inspections, and spill kits
Water Treatment Chemical Areas	Stored inside buildings or sheds with secondary containment flooring, written procedures, inspections, and spill kits
Runoff Controls	Concrete ditches, stormwater grates/drop-inlets, vegetated swales, and rip-rap

5.1 Structural BMPs

VA0083097, PART I, F. 2. b. (6)(b)(ii): ii Structural BMPs: (SWPPP Cross Reference #11)

Refer to Section 4.0 for structural BMPs in place at this Station.

5.2 Non-Structural BMPs

The Station has Operating Procedures (OP) that are related to storm water contact management. They reduce the potential for storm water contact due to equipment failure or operational losses. The associated OPs are listed in section 5.2.1.

5.2.1 Employee Training

VA0083097, PART I, F. 2. b. (6)(b): BMP Types to be Considered: (i) vi. Employee Training (SWPPP Cross Reference #10 & 22)

The positions noted in the Pollution Prevention Team with (2) are responsible for providing the storm water training. Employees responsible for implementation of activities described in this pollution prevention plan or who are otherwise responsible for storm water management will receive periodic training. Annual employee training typically consists of a video related to stormwater pollution prevention as well as a discussion of the goals of the pollution prevention plan, spill prevention and control, proper handling procedures for hazardous substances, good housekeeping and material management practices. This training is typically conducted in first quarter of each year. Employee documents this training and the training records are kept on file and available upon request. Contractors attend an Annual Contractor's Orientation, which storm water pollution prevention is discussed.

The following table represents the Operational Procedures (OP) associated with storm water and used as training. Copies of the OPs are maintained in the Station's files and available upon request.

Operating Procedures
TRANSFERRING USED OIL FROM BULK STORAGE TO TANKER
WEEKLY INSPECTION CHECKLIST/CHEMICAL HANDLING SYSTEMS
ADDING NO.2 FUEL OIL TO BULK STORAGE TANKS
UNLOADING SULFURIC ACID, SODIUM HYDROXIDE, ALUMINUM SLUFATE, OR SODIUM HYPOCHLORITE CHEMICAL DELIVERIES
ADDING LOW SULFUR DIESEL FUEL TO THE EMERGENCY GENERATOR TANK
ADDING UNLEADED GASOLINE TO THE BULK STORAGE TANK
UREA TRUCK UNLOADING
DAILY, WEEKLY, AND MONTHLY INSPECTION CHECKLIST FOR OIL

Material Safety Data Sheets (MSDS) are also utilized as part of training to ensure that employees understand the nature of materials that could cause equipment leaks. Refer to Station's files for copies of the MSDS.

5.2.2 Good Housekeeping

VA0083097, PART I, F. 2. b. (6)(b): BMP Types to be Considered: (i) i Good Housekeeping: (SWPPP Cross Reference #10)

All exposed areas are maintained in a clean and orderly facility to keep pollutants out of storm water. Facility personnel are trained in good housekeeping and its importance in preventing storm water contamination.

Areas subject to contact with storm water are regularly inspected for proper disposal of waste and for general cleanliness. Containers are located around the facility for appropriate disposal of waste materials. These containers are routinely emptied and the waste correctly disposed offsite weekly.

Storage areas are located outside of traffic flows to minimize opportunities for accidents and are routinely inspected for evidence of problems such as leakage. Chemical and oil drums are stored with adequate aisle space for safe material transfer and ready access for inspections. Metal drums containing chemicals and oil are stored on pallets or otherwise above ground moisture to prevent corrosion and loss of containment. All areas of the Station are routinely inspected for leaks and proper container conditions. More formal inspections are done quarterly at this facility.

Material inventory procedures enable accurate tracking of chemicals and oil used at the facility. Storage containers are clearly identified to meet labeling requirements. Material Data Safety Sheets are maintained at the facility for all the chemicals and are accessible to all employees. More good housekeeping measures are discussed in Section 6.0 of this Plan.

5.2.3 Minimizing Exposure

VA0083097, PART I, F. 2. b. (6)(b): BMP Types to be Considered: (i) ii Minimizing Exposure: (SWPPP Cross Reference #10)

The Station minimizes exposure by the use of housekeeping, structural, and non-structural BMPs.

5.2.4 Preventative Maintenance

VA0083097, PART I, F. 2. b. (6)(b): BMP Types to be Considered: (i) iii Preventative Maintenance: (SWPPP Cross Reference #10 & 20)

Storm water management devices are periodically inspected and tested to discover conditions that would cause breakdowns or failures. Quarterly visual examinations are performed and documented on applicable Outfalls in accordance with procedures outlined on the log sheet. Corrective actions will be promptly performed on any area required to prevent stormwater discharges. Catch basins/retention areas are periodically cleaned out as needed. Oil water separators are inspected monthly to monitor quantities of oil and sediment accumulations and are serviced regularly. These records are maintained in the Station files.

5.2.5 Spill Prevention and Response Procedures

VA0083097, PART I, F. 2. b. (6)(b): BMP Types to be Considered: (i) iv Spill Prevention and Response Procedures: (SWPPP Cross Reference #10)

The Station maintains a separate SPCC Plan that further details spill prevention and response procedures that apply to the facility's oil storage. Employees trained in spill prevention and response procedures are instructed on the importance of preventing discharges to the storm water system. These procedures must be followed for all spills. The most common areas vulnerable to spills include bulk petroleum and chemical transfers. The petroleum transfers will be handled in accordance with procedures specified in ODCP and SPCC Plan. Bulk chemical transfers will be accomplished in accordance with the station's safe fill and shutdown procedures. The operating procedures specified in Section 5.2.1 of this Plan note where defined procedures have been developed. All station employees receive training in spill prevention. Under the stations emergency response procedure, all incident response leaders are trained in spill response procedures. The contractor orientation includes spill response procedures. All spill procedures are consistent with applicable RCRA regulations.

5.2.6. Routine Facility Inspections

VA0083097, PART I, F. 2. b. (6)(b): BMP Types to be Considered: (i) v. Routine Facility Inspections: (SWPPP Cross Reference #10 & 20)

Routine facility inspections are comprehensive in scope. Refer to Appendix F. The inspections include:

- Quarterly Storm Water: Inspection and Annual Evaluation
- Quarterly inspection for Chemical Tank Handling Systems
- SPCC Plan form "Daily, Weekly, and Monthly Oil Inspection for Oil Storage Tanks."

5.3 BMP Maintenance

VA0083097, PART I.F. 2.c.: Maintenance: (SWPPP Cross Reference #12)

All BMP's are properly maintained and are inspected at least quarterly. Any BMP that needs service is promptly evaluated and repaired as needed. Non-structural BMP supplies, i.e. spill kits are maintained. This Station makes sure personnel have all of the proper training required by this Plan.

5.4 Existing BMPs

Based upon the latest facility evaluation, Section 4.0 (Potential Pollutant Sources) identified those types and locations of equipment that can potentially impact storm water as a result of operational or equipment failure or human error. The structural and/or non-structural BMPs that are currently utilized will continue to be utilized until planned BMP feasibility studies are completed for possible future construction and/or implementation. Refer also to Section 5.5.

5.5 BMPs Planned for Consideration

VA0083097, PART I.F.2.c.: Maintenance: (SWPPP Cross Reference #12)

BMPs planned for consideration at this facility are limited to those identified during periodic evaluations. Storm water detention or retention is included as one type of structural BMP under consideration and will be continually reviewed for both contained and uncontained equipment.

New BMP Candidates Since the Last Site Evaluation:	Responsible Person	Status
Secondary Containment for Aboveground Oil Piping is not draining, modification required.	Tim Hamlet	Feasibility Study is being conducted.

5.5.1 Feasibility Study

Not Required

Refer to Action Items Implementation Schedule in Section 7.5 below.

6.0 GOOD HOUSEKEEPING MEASURES

6.1 Fugitive Dust Emissions

VA0083097, PART I, F. 3. b. (2)(a)(i): Fugitive Dust Emissions: (SWPPP Cross Reference #22)

This Station has the following measures in place to minimize fugitive dust emissions from the coal handling areas. The delivery of coal comes via rail. Offloading from the railcar occurs under a covered shed. The coal is compacted and wet suppression is used as necessary. The conveyors used to transport the coal onsite are partially covered for this prevention. All vehicles that work in the coal pile area are cleaned prior to moving around the Station property. Wet suppression is used on the Station's frequently traveled roads as needed.

6.2 Delivery Vehicles

VA0083097, PART I, F. 3. b. (2)(a) (ii): Delivery Vehicle: (SWPPP Cross Reference #20 & 22)

Multiple types of delivery vehicles deliver products onsite. Most of the deliveries are in bulk chemicals closed container trucks that unload adjacent to the perspective tank/silo/storage location. This Station has safe fill and shutdown procedures for petroleum and chemical deliveries that are to be used in the transfer process, which are posted at each unloading area and include spill response and vehicle inspections to ensure integrity of the vehicle body and container. Delivery of petroleum products is handled in accordance with the ODCP and SPCC Plan. Most deliveries not in bulk containers are delivered to the warehouse. More delivery details can be found in Section 4.3 and 5.2.1 of this Plan.

6.3 Fuel Oil Unloading Areas

VA0083097, PART I, F. 3. b. (2)(a)(iii): Fuel Unloading Areas: (SWPPP Cross Reference #22)

Measures to prevent or minimize contamination of storm water runoff from fuel oil unloading areas are described in the ODCP and SPCC Plan under a separate cover at this Facility.

6.4 Chemical Loading/Unloading Areas

VA0083097, PART I, F. 3. b. (2)(a)(iv): Chemical Loading and Unloading Areas: (SWPPP Cross Reference #22)

Standard operating procedures (SOPs) have been developed to manage chemical loading and unloading areas. Most of the bulk chemicals used at the station are stored indoors. Chemical unloading areas are equipped with containment and drains to handle any spills. Safe fill and shutdown procedures are posted at each unloading station and are addressed in safety orientation for contractors. Station persons trained in spill prevention and response are available during unloading. Chemical transfer areas including pumps and piping are inspected weekly.

6.5 Miscellaneous Loading/Unloading Areas

VA0083097, PART I, F. 3. b. (2)(a)(v): Miscellaneous Loading and Unloading Areas: (SWPPP Cross Reference #22)

Most loading areas are under roof, in a contained area, or drain to the coal/limestone runoff pond for sediment retention like the railroad tracks. Areas adjacent to the railroad tracks are further protected by maintaining with a vegetated buffer for sediment control.

6.6 Small Liquid Storage Tanks

VA0083097, PART I, F. 3. b. (2)(a)(vi): Liquid Storage Tanks: (SWPPP Cross Reference #22)

Bulk chemical spills from storage tanks are contained, cleaned up, and/or routed to the station's wastewater treatment facility. Transfer facilities are equipped with spill and overflow protection (e.g., containment curbing, drip pans, drip diapers, and/or other containment devices). Spill clean-ups are handled by trained on-site spill response team. Chemical storage tanks are inspected quarterly. For details of these tanks, see Sections 4.3 and 4.4 of this Plan.

6.7 Large Bulk Fuel Storage Tanks

VA0083097, PART I, F. 3. b. (2)(a)(vii): Liquid Storage Tanks: (SWPPP Cross Reference #22)

See Section 4.4 of this Plan and the Facility's SPCC/ODCP Plans.

6.8 Spill Reduction Measures

VA0083097, PART I, F. 3. b. (2)(a)(viii): Spill Reduction: (SWPPP Cross Reference #22)

See Section 2.2 of this Plan and the SPCC/ODCP for this Facility under a separate cover.

6.9 Oil Bearing Equipment in Switchyards

VA0083097, PART I, F. 3. b. (2)(a)(ix): Switchyard Equipment: (SWPPP Cross Reference #22)

The switchyard is equipped with a dual oil stop valve with an oil sensor and has a relatively level grade with gravel surface to retard the progress of any spills or leaks.

6.10 Residue Hauling Vehicles

VA0083097, PART I, F. 3. b. (2)(a)(x): Switchyard Equipment: (SWPPP Cross Reference #22)

Station personnel inspect vehicles monthly; however the Ash Contractor does daily inspections. If truck cover doesn't work vehicles are taken out of service.

6.11 Ash Loading Areas

VA0083097, PART I, F. 3. b. (2)(a)(xi): Ash Loading Areas: (SWPPP Cross Reference #22)

Ash loading areas (including adjacent drainage ditches and roadways) are cleaned of spillage and debris as needed. Transport vehicles are periodically washed at the stackout pad and/or the landfill runoff pond to prevent offsite tracking of CCBs.

6.12 Areas Adjacent to Disposal Ponds or Landfills

VA0083097, PART I, F. 3. b. (2)(a)(xii): Areas Adjacent to Disposal Ponds or Landfills : (SWPPP Cross Reference #22)

Ash hauling trucks are covered and are periodically inspected for defects that would contribute to ash release during transport. Trucks are periodically washed to remove ash that might have accumulated on the exterior. The roads are wetted to prevent dust generation and their shoulders and paths are periodically scrapped to remove any accumulated ash. Vegetated buffers are maintained along the side of the haul roads to control solids runoff to stormwater. Filter berms are in place around stormwater

manhole covers to minimize stormwater quality impacts. A gravel berm will be maintained along the southern edge of the ash haul road between the stackout pad and coal unloader to minimize stormwater impacts.

6.13 Landfills, Scrap Yards, Surface Impoundments, Open Dumps, General Refuse Sites

VA0083097, PART I, F. 3. b. (2)(a)(xiii): Landfills, Scrap Yards, Surface Impoundments, Open Dumps, General Refuse Sites: (SWPPP Cross Reference #22)

This Facility does not have a general refuse landfill, but utilizes 2 general refuse dumpsters, both dumpsters are managed by a contractor.
Station personnel perform monthly inspections of the CCB landfill and associated runoff ponds and inspections following significant rainfall events. Corporate staff assists in performing quarterly comprehensive quality assurance assessment inspections of the landfill, which include an overall evaluation of the landfill operation including the tracking of landfilling quantities. Records of ash hauling quantities and placement are kept on file and are available upon request.

6.14 Maintenance Activities

VA0083097, PART I, F. 3. b. (2)(a)(xiv): Vehicle Maintenance: (SWPPP Cross Reference #22)

Passenger vehicles are typically repaired offsite. Any vehicle repairs required on-site is performed in areas where any spills would be contained in coal pile/runoff pond and/or would be directed to an oil/water separator. Maintenance activities are conducted inside a building within the Coal Yard when feasible.

The Contractor (Headwater Inc.) who manages the Station's Landfill operation/construction conducts maintenance activities on their equipment either in the ash cells or at their maintenance shop located at adjacent to the Station's Landfill.

6.15 Material Storage Areas

VA0083097, PART I, F. 3. b. (2)(a)(xv): Material Storage Area: (SWPPP Cross Reference #22)

Materials are placed in covered storage areas or, if stored outdoors, in closed containers (e.g., ASTs). Storage units, vessels, or tanks for all materials are maintained in good condition. See Section 4.0 of this Plan for more details.

7.0 DOCUMENTATION

The following subsections represent the various areas of documentation.

7.1 Spills and Leaks

VA0083097, PART I, F. 2. b. (3): Spills and Leaks: (SWPPP Cross Reference #7)

Several spills and leaks have occurred over the years at this facility. All spills and leaks are promptly addressed and all measures are taken to completely correct any discharges to the environment or water. The below table describes all of the spills/leaks that have occurred at this facility, beginning three (3) years prior to the application submission.

Spills and Leaks

Date	Spill	Leak	Type of material and amount spilled or leaked	Location	Source	Reason
A 04/9/02	X		20,000	Solids slurry sump overflow at water plant	Slurry sump	Control malfunction opened all valves. Pump could not keep up with inflow.
B 9/11/02	X		Demineralized Water ~54,420 gallons	Demin Storage Tank at Water Plant	Demin storage tank	System unattended in manual filled and overflowed tank to ground
C 5/16/03	X		Sodium Hypochlorite ~200 gallons	Unit #1 Cooling Tower storage tank	Sodium Hypochlorite Storage tank and tote bin	Transferring from bulk storage to tote bin and overflowed bin onto gravel area.
D 5/26/03	X		Coal Combustion Byproducts ~ 17.6 cubic yards	Southwest corner of Stage III landfill	CCB Landfill	Stormwater runoff inside landfill incorrectly concentrated to one spot causing overflow of perimeter ditch into wetlands in Black Walnut Creek.
E 8/4/03	X		Boiler Area Sump overflow on #1 ~ 8,000 gallons.	#1 bottom ash pit overflowed to stormdrain next to #2 fuel oil tanks.	Boiler Area Sump	Sump pumps were isolated but flow to the sump continued causing overflow and release to wetlands.
F 10/30/03		X	Sodium hypochlorite solution into ground. unknown amount.	#1 cooling tower next to circ water pumps.	Cooling tower water mixed with sodium hypochlorite solution.	Underground air line ruptured causing nearby chemical feed line to rupture. Flow was insufficient to cause release off site.
G 9/30/04	X		Sediment released to the wetlands. Approx. 7 cubic yards of soil.	Stage 3 landfill pipeline project released soil to wetlands	New pond embankment	Heavy rains, no vegetation established and overcame silt fencing.
H 12/10/04	X		Sediment released to the wetlands. Approx. 3.34 cubic feet of soil.	Stage 3 landfill pipeline project released soil to wetlands	New pond embankment	Heavy rains, no vegetation established and overcame silt fencing.
I 1/9/05		X	Treated wastewater from sewage treatment plant. Unknown quantity	Just east of the sewage treatment plant.	Treated sewage treatment plant discharge.	Waste water pipe fitting separated underground causing a sinkhole to form.

Date	Spill	Leak	Type of material and amount spilled or leaked	Location	Source	Reason
(J) 2/26/05	X		Water Treatment Sludge spill to the ground. ~ 5,000 gallons. Did not discharge off-site.	Behind water plant at the sludge thickener tank.	Sludge from water treatment clarifiers	Vent line valve was open but plugged on transfer pumps and unplugged itself while transferring to the scrubber.
(K) 5/14/05		X	Untreated sewage into the ground. Unknown quantity	Near truck scales underneath concrete coal pile perimeter ditch.	Sewage from coal unloading building destined for sewage plant.	Sewage pipe must have been crushed after installation while grading the ditch for the coal pile runoff.
(L) 7/9/05	X		Boiler Area Sump overflow on #2 ~ 1,500 gallons.	#2 bottom ash pit overflowed to stormdrain next to #2 fuel oil tanks.	Boiler Area Sump	Sump washdown water was inadvertantly left open causing overflow and release to wetlands.
(M) 7/29/05		X	Sodium hypochlorite solution onto ground. 300-400 gallons.	#1 cooling tower chemical treatment room.	Cooling tower water mixed with sodium hypochlorite solution.	Chemical feed line ruptured causing flow over land to the Stump Pond and Outfall 004.
(N) 8/19/05		X	Sodium hypochlorite solution onto ground. 1,000-2,000 gallons.	#1 cooling tower chemical treatment room.	Cooling tower water mixed with sodium hypochlorite solution.	Chemical feed line ruptured causing flow over land to the Stump Pond and Outfall 004.
(O) 8/31/06		X	Wastewater leaked from valve from Outfall 002. Approximately 400 gal.	Coal pile runoff pond discharge structure	Coal pile runoff pond	Middle valve was not completely secure and leaked by.
(P) 12/16/07	X		Absorber Vessel Slurry, Overflow to the storm drain. 200~300 gallons.	Unit 2 ID Fans	Absorber Vessel Slurry	Vessel Foamed over into the ID Fan, which spilled to the ground.
(Q) 4/21/08		X	High pH discharge at Outfall 001.	Outfall 001	Holding Pond	High pH due to high volume boiler blowdown water and low volume of cooling tower blowdown.

Alphabetical symbols ((A)) correlate with the map in Appendix C.

7.2 Storm Water Monitoring Requirements

VA0083097, PART I, F. 2. b. (5): Sampling Data: (SWPPP Cross Reference #8)

Monitoring records are maintained in Station's files and available upon request. See Section 3.0 of this Plan for more details.

7.3 Site Inspections

VA0083097, PART I, F. 2. b. (6)(b): BMP Types to be Considered: (i) v. Routine Facility Inspection: (SWPPP Cross Reference #10 & 22)

Inspection forms are in Appendix E and records are maintained in Station's files and available upon request.

7.4 Annual Evaluation

VA0083097, PART I, F. 2. e.: Comprehensive Site Compliance Evaluation: (SWPPP Cross Reference #14)

Refer to Appendix E for evaluation summary forms and reports.

ANNUAL COMPLIANCE EVALUATION CERTIFICATION

Date of Site Visit	Purpose
May 31, 2005	Annual Evaluation
March 31, 2006	Annual Evaluation
May 31, 2007	Annual Evaluation
May 28, 2008	Annual Evaluation
May 13, 2009	Annual Evaluation

7.5 Goals & Objectives

The storm water pollution prevention plan (SWPPP) has been developed as required by the Station's storm water discharge permit and to incorporate good engineering practices. This SWPPP describes this Station, its operations, identifies potential sources of storm water pollution at the facility, recommends appropriate best management practices (BMPs) or pollution control measures to reduce the discharge of pollutants in storm water runoff, and provides for periodic review of this SWPPP. It is the objective of this program to improve the quality of surface waters by reducing the amount of pollutants potentially contained in the storm water runoff being discharged.

ACTION ITEMS

Action items are listed in the implementation schedule below. The Plant Engineer shall enter the actual date of completion of each item. Completed action items will be removed from the list at the next SWPPP revision.

ACTION ITEM IMPLEMENTATION SCHEDULE			
Action Item	**Responsible Person**	**Completion Deadline**	**Actual Date Completed**
Aboveground Piping – Secondary Containment	Tim Hamlet	12/31/08	12/19/08

7.6 Record of Review

VA0083097, PART I, F. 2. g.: Maintaining and Updating the SWPPP (SWPPP Cross Reference #16)

Record of Reviews (SWPPP Permit Reference #13)				
Date of Inspection [1]	**Date SWPPP Revisions Completed [2]**	**Date of BMP Modification [3,4]**	**Date of Comprehensive Site Evaluation Summary Report [5]**	**Reason for Amendment**
8-3-2005		**2-16-2006**		**Previous SWPPP was out of date**
5-10-2007	**6-27-2007**			**Conformance with new template**
5-28-08	**5-28-08**		**5-28-08**	**Annual Evaluation (New Template Rollout)**
	5-13-08		**5-13-09**	**Annual Evaluation**

[1] A Station inspection must be completed by qualified personnel familiar with Station operations in accordance with State and Federal SWPPP regulations.

[2] The SWPPP shall be modified as necessary to include minor changes in SWPPP text, Station controls or BMPs. Revision to the SWPPP must be completed within two weeks following the inspection, unless permission for a later date is granted in writing by the State NPDES authority.

[3] If substantial SWPPP change is necessary including significant modification of existing BMPs or if the addition of new BMPs is necessary, implementation must be completed before the next anticipated storm event, if practicable, but not more than 12 weeks after completion of the comprehensive site evaluation, unless permission for a later date is granted in writing by the State NPDES authority. Refer to the Action Item Schedule on the next page.

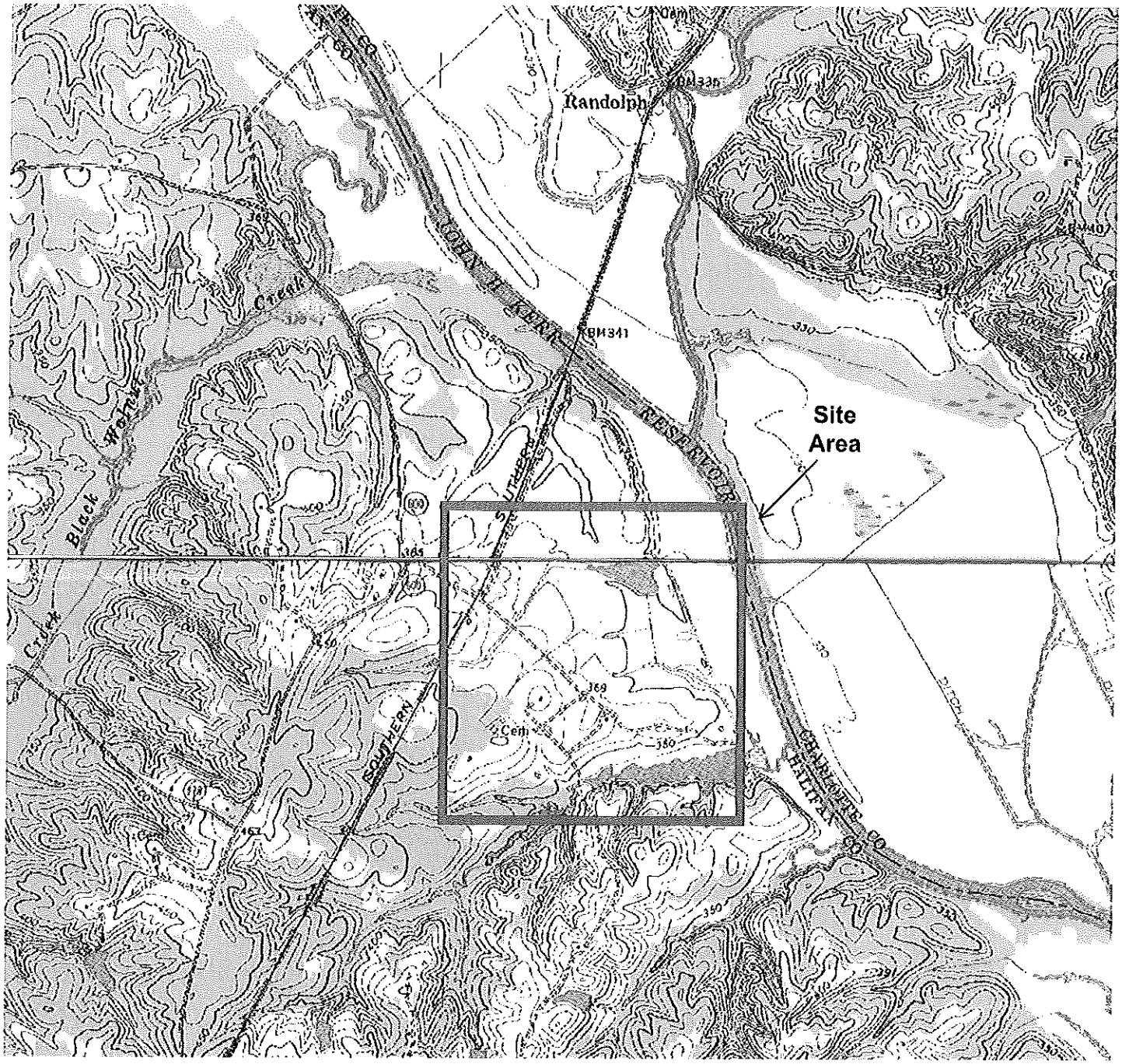
[4] The permittee shall amend the SWPPP whenever: (1) there is a change in design, construction, operation, or maintenance at the facility that has a significant effect on the discharge, or the potential for the discharge, of pollutants from the facility; (2) during inspections, monitoring, or investigations by facility personnel or by local, state, or federal officials, it is determined that the SWPPP is ineffective in eliminating or significantly minimizing pollutants from sources identified.

[5] A report summarizing the scope of the inspection name(s) of personnel making the inspection, date(s) of the inspection, and major observations relating to the implementation of the SWPPP, and actions taken in accordance with the NPDES permit shall be made and retained as part of the SWPPP for at least five years from the date of the inspections.

[6] POTW = Publicly owned treatment works. IUP = Industrial user permit. SLUG = Instantaneous batch discharge to sewer.

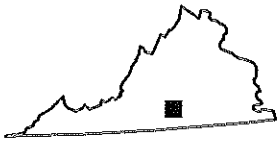
Appendix A

Topographic Site Map
(SWPPP Permit Reference #3, 5, 19, & 21)



SOURCE:
U.S.G.S. 7.5 MINUTE TOPOGRAPHIC QUADRANGLE
Saxe, VA 1968
Clover, VA 1968
Photo Revised 1981

CONTOUR INTERVAL = 10 FEET



APPROXIMATE QUADRANGLE LOCATION

N

GRAPHIC SCALE (approx.)

2000 0 2000 4000

1" = 2000'

PROJECT:

Storm Water Pollution Prevention Plan (SWPPP)

Clover Power Station
P.O. Box 245
Clover, VA 24534

EarthTech
A tyco International Ltd. Company

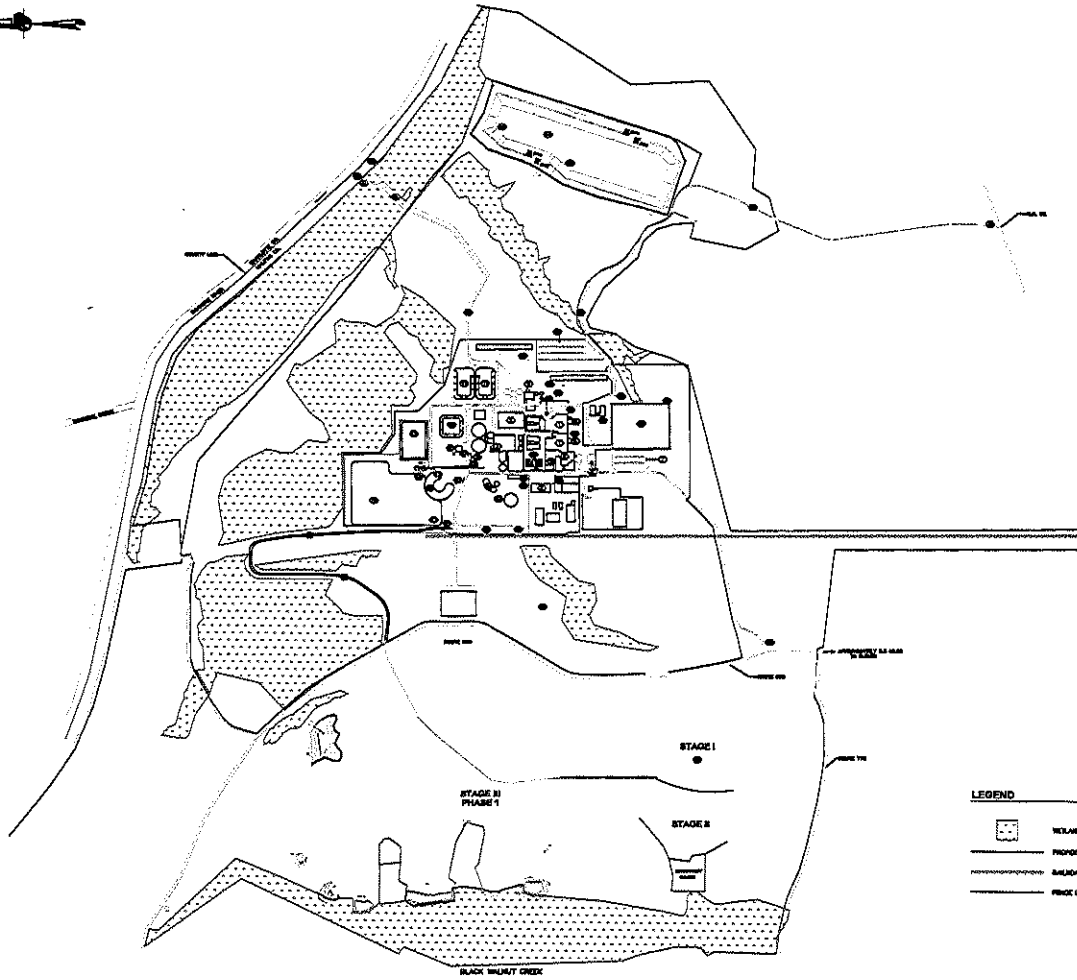
FIGURE TITLE:

Topographic Map
Clover Power Station
Clover, VA

PROJECT MANAGER:	PROJECT NO.:	DATE:	SCALE:	FIGURE NO.:
RAW	83424	05/24/05	AS SHOWN	1

Appendix B

Site Plan
(SWPPP Permit Reference # 3, 4, 5, 6, 7, 19, and 21)



FACILITIES LEGEND

1. GENERATION BUILDING
2. AIR QUALITY CONTROL AREA
3. SLUDGE PROCESSING AREA
4. TRANSFORMER AREA
5. PLANT MANAGER/ADMINISTRATION AREA
6. GUARD BUILDING
7. PLANT PERSONNEL PARKING
8. WAREHOUSE AREA
9. WATER TREATMENT/STORAGE AREA (OUTFALL 102)
10. COOLING TOWER AREA (OUTFALL 101)
11. SLUDGE STORAGE POND
12. HOLDING POND
13. COAL PILE/LIMESTONE RUN-OFF POND
14. RAW WATER STORAGE POND
15. COAL CRUSHER BUILDING
16. COAL STACKOUT AREA
17. COAL RECLAIM STRUCTURE
18. CONCRETE COAL SILO
19. COAL STORAGE
20. COAL UNLOADING AREA
21. COAL YARD MAINTENANCE BUILDING
22. LIMESTONE UNLOADING AREA
23. LIMESTONE & SAND STORAGE AREA
24. COE HANDLING AREA
25. LIME UNLOADING AREA
26. CONSTRUCTION WATER WELL
27. EQUIPMENT MAINTENANCE FACILITY
28. CONSTRUCTION PARKING
29. CONSTRUCTION OFFICE AREA
30. SUBSTATION
31. SEWAGE TREATMENT STRUCTURE (OUTFALL 103)
32. RAW WATER MONITORS
33. RAW WATER PUMP STRUCTURE
34. INITIAL COMBUSTION WASTE LANDFILL AREA
35. WAREHOUSE
36. CONDENSATE STORAGE TANK
37. TRUCK SCALE
38. COMBUSTION WASTE LANDFILL ACCESS ROAD
39. PLANT ACCESS ROAD
40. SECURITY FENCE
41. PLANT DISCHARGE STRUCTURE
42. PLANT STEAM AND DISCHARGE PIPELINE
43. RAW WATER POND INTAKE STRUCTURE
44. RAW WATER POND PUMP STRUCTURE
45. EMERGENCY DIESEL GENERATOR
46. AUXILIARY BOILER/STARTUP FUEL TANK
47. MOBILE EQUIPMENT FUEL TANKS
48. POTABLE WATER WELL
49. SAND AND STONE STORAGE AREAS
50. SCRAP METAL, SOLID CITY WASTES AND TRASH DUMPSTERS

LEGEND

- WETLANDS
- PROPERTY LINE
- RAILROAD TRACK
- FENCE LINE

NOTES

1. THERE ARE NO SIGNIFICANT SOURCES OF POLLUTION FROM OFF-SITE FACILITIES.
2. A DESCRIPTION OF SITE RUN-ON MAY BE FOUND IN THE MEASURES AND CONTROLS SECTION OF THE PLAN TEXT.
4. THIS DRAWING SCANNED FROM BLACK & VEATCH ENGINEERS-ARCHITECTS DRAWING NUMBER 16342-M10-B003, DATED JANUARY 4, 1996 AND IS NOT TO SCALE.

0 300 600 1000
SCALE IN FEET

ENSR | AECOM

ESS CORPORATION
Five Wyse Road, Suite 300
Charlotte, NC 28211
704-365-7700
FAX 704-365-7707
WEB WWW.ENSR.AECOM.COM

BASE MAP
DONNGON
CLOVER POWER STATION
HALIFAX COUNTY, VIRGINIA

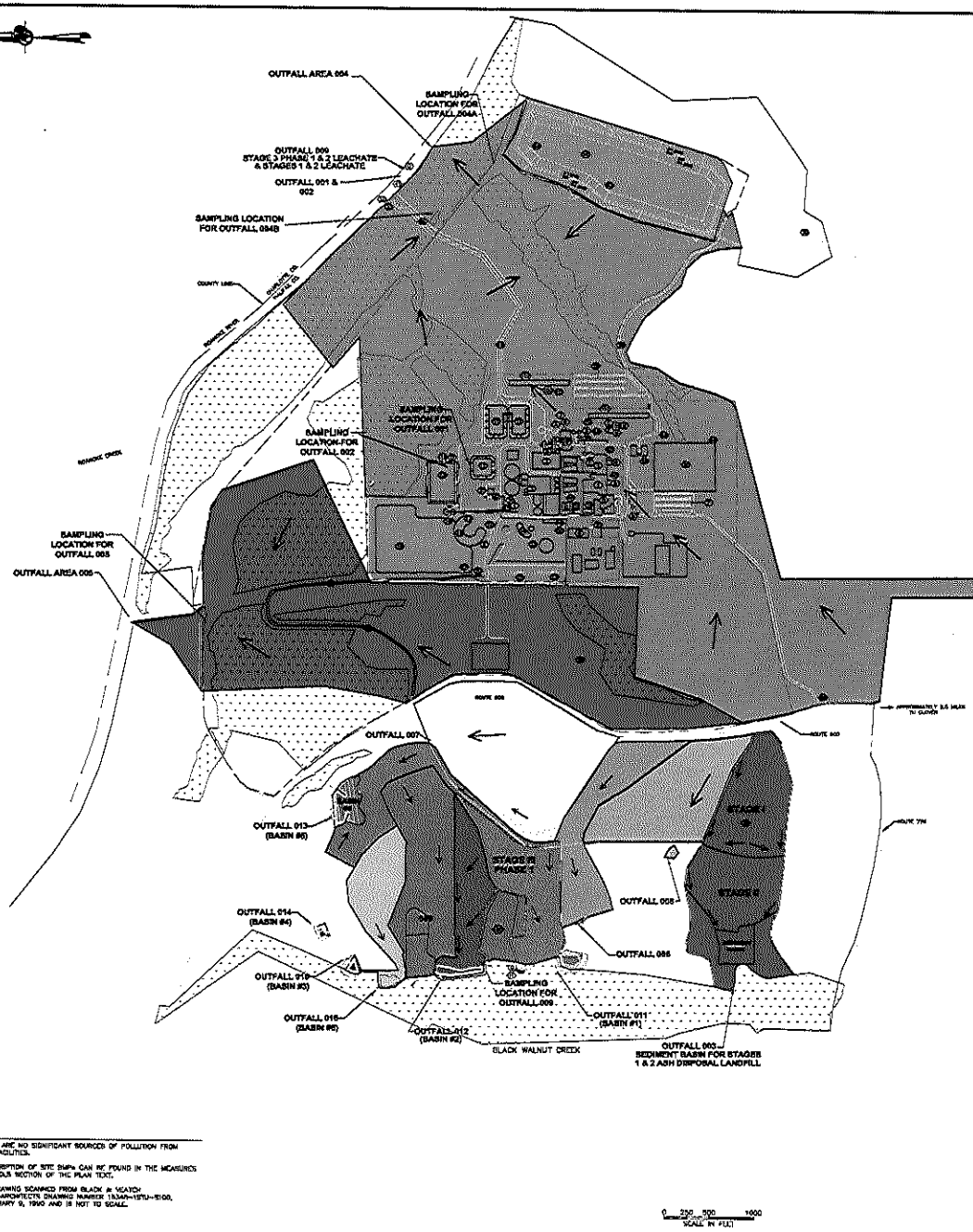
SCALE: EZ2 BAR SCALE
DATE: 6/07/06
PROJECT NUMBER: 02285-072-0002

DRAWING NUMBER: 1
REV. NUMBER: X

Appendix C

Stormwater Specific Site Map

Oil-Related Specific Site Map
(SWPPP Permit Reference # 3, 4, 5, 6, 19, and 21)



FACILITIES LEGEND

1 GENERATION BUILDING
2 AIR QUALITY CONTROL AREA
3 SLUDGE PROCESSING AREA
4 TRANSFORMER AREA
5 PLANT WORKCOL/ADMINISTRATION AREA
6 GUARD BUILDING
7 PLANT PERSONNEL PARKING
8 WAREHOUSE AREA
9 WATER TREATMENT/STORAGE AREA (OUTFALL 102)
10 COOLING TOWER AREA (OUTFALL 101)
11 SLUDGE STORAGE POND
12 HOLDING POND
13 COAL PILE/LIMESTONE RUN-OFF POND
14 RAW WATER STORAGE POND
15 COAL CRUSHER BUILDING
16 COAL STACKOUT AREA
17 COAL RECLAIM STRUCTURE
18 CONCRETE COAL SILO
19 COAL STORAGE
20 COAL UNLOADING AREA
21 COAL YARD MAINTENANCE BUILDING
22 LIMESTONE UNLOADING AREA
23 LIMESTONE & SAND STORAGE AREA
24 ECR HANDLING AREA
25 LIME UNLOADING AREA
26 CONSTRUCTION WATER WELL
27 EQUIPMENT MAINTENANCE FACILITY
28 CONSTRUCTION PARKING
29 CONSTRUCTION OFFICE AREA
30 SANITATION
31 SEWAGE TREATMENT STRUCTURE (OUTFALL 103)
32 RIVER INTAKE SCREENS
33 RIVER WATER PUMP STRUCTURE
34 INITIAL COMBUSTION WASTE LANDFILL AREA
35 WAREHOUSE
36 CONDENSATE STORAGE TANK
37 TRUCK SCALE
38 COMBUSTION WASTE LANDFILL ACCESS ROAD
39 PLANT ACCESS ROAD
40 SECURITY FENCE
41 PLANT DISCHARGE STRUCTURE
42 PLANT INTAKE AND DISCHARGE PIPELINE
43 RAW WATER POND INTAKE STRUCTURE
44 RAW WATER POND PUMP STRUCTURE
45 EMERGENCY DIESEL GENERATOR
46 AUXILIARY BOILER/STARTUP FUEL TANK
47 MOBILE EQUIPMENT FUEL TANKS
48 POTABLE WATER WELL
49 SAND AND STONE STORAGE AREAS
50 SCRAP METAL, SOLID ONLY WASTES AND TRASH DUMPSTERS

SPILLS AND LEAKS

A 20,000 SOLIDS SLURRY SUMP OVERFLOW AT WATER PLANT

B ~54,420 GAL DEMINERALIZED WATER, DEMIN STORAGE TANK AT WATER PLANT.

C ~200 GAL SODIUM HYPOCHLORITE, UNIT #1 COOLING TOWER STORAGE TANK.

D ~172 CUBIC YARDS COAL COMBUSTION BYPRODUCTS, SOUTHWEST CORNER OF STAGE III LANDFILL.

E ~5,000 GAL BOILER AREA SUMP OVERFLOW ON #1, BOTTOM OF ASH PIT OVERFLOWED TO STORMDRAIN NEXT TO #2 FUEL OIL TANKS.

F UNKNOWN AMOUNT SODIUM HYPOCHLORITE SOLUTION INTO GROUND, #1 COOLING TOWER NEXT TO CIRC WATER PUMPS.

G SEDIMENT RELEASED INTO WETLANDS, ~7 CUBIC YARDS OF SOIL, STAGE 3 LANDFILL PIPELINE PROJECT RELEASED SOIL TO WETLANDS.

H SEDIMENT RELEASED INTO WETLANDS, ~3.34 CUBIC YARDS OF SOIL, STAGE 3 LANDFILL PIPELINE PROJECT RELEASED SOIL TO WETLANDS.

I UNKNOWN AMOUNT TREATED WASTEWATER FROM SEWAGE PLANT, JUST EAST OF SEWAGE TREATMENT PLANT.

J. 5,000 GAL WATER TREATMENT SLUDGE SPILL TO THE GROUND. DID NOT DISCHARGE OFF-SITE. BEHIND WATER PLANT AT SLUDGE THICKENER TANK.

K. UNKNOWN AMOUNT OF UNTREATED SEWAGE INTO THE GROUND, NEAR TRUCK SCALES UNDERNEATH CONVEYOR, COAL PILE PERIMETER OPTION.

L. ~1,500 GAL BOILER AREA SUMP OVERFLOW ON #2, #2 BOTTOM ASH PIT OVERFLOWED TO STORMDRAIN NEXT TO #2 FUEL OIL TANKS.

M 300-400 GAL SODIUM HYPOCHLORITE SOLUTION ONTO THE GROUND, #1 COOLING TOWER CHEMICAL TREATMENT ROOM.

N 1,000-2,000 GAL SODIUM HYPOCHLORITE SOLUTION ONTO THE GROUND, #1 COOLING TOWER CHEMICAL TREATMENT ROOM.

O ~400 GAL OF WASTEWATER LEAKED FROM VALVE FROM OUTFALL 002, COAL PILE RUNOFF POND DISCHARGE STRUCTURE.

P 200-300 GALLONS OF SCRUBBER SLURRY TO THE STORM DRAIN

Q High pH DISCHARGE EVENT AT OUTFALL 001.

CHEMICAL/MATERIAL STORAGE

100 5,000 GAL SODIUM HYDROXIDE TANK AT STAGE III LANDFILL/UNLOADING
101 SODIUM HYDROXIDE UNLOADING AT WATER TREATMENT PLANT
101 5,000 GAL SULFURIC ACID TANK AT WATER TREATMENT PLANT/ UNLOADING
101 ALUMINUM SULFATE UNLOADING AT WATER TREATMENT PLANT
102 5,000 GAL SULFURIC ACID TANK AT UNIT 1 COOLING TOWER/UNLOADING
102 SODIUM HYPOCHLORITE UNLOADING UNIT 1 COOLING TOWER
102 PHOSPHATE BASED INHIBITOR UNLOADING AT UNIT 1 COOLING TOWER
103 4,200 GAL SODIUM BROMIDE TANK/ UNLOADING
103 5,000 GAL SULFURIC ACID TANK AT UNIT 2 COOLING TOWER/ UNLOADING
103 PHOSPHATE BASED INHIBITOR UNLOADING AT UNIT 2 COOLING TOWER
104 150 GAL SULFURIC ACID TANK AT WATER TREATMENT PLANT/ UNLOADING
105 950 GAL SCALE CONTROL CHEMICAL TANK AT WWTP
106 2 UREA SILOS 450,000 LBS EACH/ UNLOADING
106 40,000 GAL UREA SOLUTIONIZER/ MIX TANK/ UNLOADING
106 2 UREA SILO SOLUTION STORAGE TANKS 40,000 GAL/ UNLOADING
110 SODIUM HYDROXIDE UNLOADING AT COAL PILE RUN-OFF POND
111 HYDROGEN PEROXIDE (350 GAL TOTES) UNIT 1 COOLING TOWER
111 ISOTEC (350 GAL TOTES) UNIT 1 COOLING TOWER
112 HYDROGEN PEROXIDE (350 GAL TOTES) UNIT 2 COOLING TOWER
112 ISOTEC (350 GAL TOTES) UNIT 2 COOLING TOWER

LEGEND

WETLANDS
PROPERTY LINE
RAILROAD TRACK
FENCE LINE
FLOW DIRECTION ARROW
DRAINAGE AREA (APPROXIMATELY 63.33 ACRES) FOR OUTFALL 003, APPROXIMATELY 5% IMPERVIOUS SURFACES.
DRAINAGE AREA (APPROXIMATELY 473.7 ACRES) FOR OUTFALL 006, APPROXIMATELY 30% IMPERVIOUS SURFACES.
DRAINAGE AREA (APPROXIMATELY 196.96 ACRES) FOR OUTFALL 008, APPROXIMATELY 5% IMPERVIOUS SURFACES.
DRAINAGE AREA (APPROXIMATELY 21.35 ACRES) FOR OUTFALL 009, APPROXIMATELY 5% IMPERVIOUS SURFACES.
DRAINAGE AREA (APPROXIMATELY 56.37 ACRES) FOR OUTFALL 007, APPROXIMATELY 5% IMPERVIOUS SURFACES.
DRAINAGE AREA (APPROXIMATELY 26.3 ACRES) FOR OUTFALL 005, APPROXIMATELY 5% IMPERVIOUS SURFACES.
DRAINAGE AREA (APPROXIMATELY 38.37 ACRES) FOR OUTFALL 004, APPROXIMATELY 5% IMPERVIOUS SURFACES.
DRAINAGE AREA (APPROXIMATELY 22.11 ACRES) FOR OUTFALL 011, APPROXIMATELY 5% IMPERVIOUS SURFACES.
DRAINAGE AREA (APPROXIMATELY 15.71 ACRES) FOR OUTFALL 012, APPROXIMATELY 5% IMPERVIOUS SURFACES.
DRAINAGE AREA (APPROXIMATELY 0.51 ACRES) FOR OUTFALL 013, APPROXIMATELY 5% IMPERVIOUS SURFACES.
DRAINAGE AREA (APPROXIMATELY 0.47 ACRES) FOR OUTFALL 014, APPROXIMATELY 5% IMPERVIOUS SURFACES.
DRAINAGE AREA (APPROXIMATELY 32.07 ACRES) FOR OUTFALL 015, APPROXIMATELY 5% IMPERVIOUS SURFACES.
DRAINAGE AREA (APPROXIMATELY 15.79 ACRES) FOR OUTFALL 016, APPROXIMATELY 5% IMPERVIOUS SURFACES.
PROCESS/WASTE WATER DRAINAGE

NOTES

1. THERE ARE NO SIGNIFICANT SOURCES OF POLLUTION FROM OFF-SITE FACILITIES.

2. A DESCRIPTION OF SITE SHIPS CAN BE FOUND IN THE MEASURES AND CONTROLS SECTION OF THE PLAN TEXT.

4. THIS DRAWING SCANNED FROM BLACK & VEATCH ENGINEERS-ARCHITECTS DRAWING NUMBER 13JAN-1371U-1100, DATED JANUARY 9, 1990 AND IS NOT TO SCALE.

REVISED BY	DATE	DESCRIPTION	BY

DESIGNED BY: JF
DRAWN BY: KLP
CHECKED BY: X
APPROVED BY: X

ENSR | AECOM

ENSR CORPORATION
1179 Eco Park Drive, Suite 230
Dover, DE 19901-8303
PHONE: 302-678-2300
FAX: 302-678-2302
WEB: HTTP://WWW.ENSRCORP.COM

STORMWATER POLLUTION PREVENTION PLAN DRAINAGE MAP

CLOVER POWER STATION
HALIFAX COUNTY, VIRGINIA

SCALE: SEE BAR SCALE
DATE: 02/07/03
PROJECT NUMBER: 02285-073-001

DRAWING NUMBER: 3
SHEET NUMBER: X

Appendix D

Annual Compliance Evaluation Summary Report
(SWPPP Permit Reference #14)

ANNUAL SITE COMPLIANCE EVALUATION AND REPORT
STORM WATER POLLUTION PREVENTION PLAN (SWPPP PROGRAM)

LOCATION: Clover Power Station

DATE OF ANNUAL EVALUATION:
EVALUATION METHOD: Comprehensive SWPPP Checklist
EVALUATION TEAM:

SCOPE OF SITE COMPLIANCE EVALUATION:

SUMMARY OF COMPREHENSIVE EVALUATION	COMPLETED?
Answer the following questions with YES or NO	**YES or NO**
Inspection Made of Each Material Exposed to Storm Water	
Inspection Made of Each Activity / Unloading Area Exposed to Storm Water	
Inspection Made for Contaminants on the Ground	
Inspection Made for Leaks from Equipment or Containers	
Inspection Made for Vehicle Tracking Impacts	
Inspection Made for Materials Blowing from Areas	
Inspection Made of Pollutants in Drainage Ways	
Inspection Made of Monitoring and Inspection Records	
BMPs Identified in the SWPPP Were Checked to See if Used	
BMPs Identified in the SWPPP Were Checked to See if Updated	
Are Additional BMPs needed or requiring maintenance	
Were the Locations of Outfalls Inspected	
Are all Required Spills Identified on Site Map(s)	
Were the Site Map(s) Reviewed for Site Map Requirements	

COMPLIANCE EVALUATION SUMMARY REPORT:

EVALUATION OF OUTFALLS:	**TOTALS**
Storm Water Outfalls: 003, 004, 005, 006, 007, 008, 011, 012, 013, 014, 015 and 016	
Process/Allowable Non-Storm Water Outfalls: 001, 002 and 009	
POLLUTANT EXPOSURE:	**YES or NO**
Any evidence of Leaks or Spills that may have reached offsite Surface Water?	
Any evidence of exposure sources contacting Storm Water?	
Is Written SWPPP Binder Updates Needed?	
Does the Site Map(s) require revisions?	
Was any incidents noted that require Notification?	

SWPPP TEXT OBSERVATIONS – Clover Power Station SWPPP

REQUIRED SWPPP CONTENTS:	YES or NO
Is the Management Approval Certification adequate?	
Is the brief description of Station & its activities adequate?	
Is the Pollution Prevention Team accurate?	
Are the Spill Response Procedures adequate?	
Are the Outfall Descriptions adequate?	
Is the Non-Storm Water Evaluation Certification adequate?	
Are the Allowable Discharge Descriptions adequate?	
Are the Monitoring and/or Inspections descriptions adequate?	
Are the List of Exposed Materials and/or Activities adequate?	
Are the List of Structural BMPs adequate?	
Is the Construction, Sediment, or Erosion Control Area discussion adequate?	
Are all Storm Water Training and Schedules included?	
Non-Structural BMPs - Good Housekeeping: Are the descriptions for the following items up-to-date and adequate?	
Dust Control Equipment Areas	
Delivery Vehicle	
Miscellaneous Loading / Unloading	
Fuel Oil Unloading Areas	
Chemical Unloading Areas	
Small and Large Storage Tank Areas	
Spill Reduction Measures	
Oil Filled Electrical Equipment Areas, e.g., Transformers	
Residue Hauling Vehicles	
Ash Handling Areas & Hauling Vehicles	
Areas Adjacent to Ponds/Basins/Impoundments	
Landfills, Scrap Yards, Surface Impoundments, Open Dumps, General Refuse	
Maintenance Activities	
Material Storage Areas	
Are additional BMPs needed? (See Action Items for Details)	
SWPPP Documentation:	
Are all Reportable Spills documented	
Are all Inspections and Monitoring Documentation Locations Referenced	
SWPPP Map Elements - Summary: Are the following items adequate?	
Updated Outfall Locations & Numbers	
Topographical Location & Surface Water Body Names	
Drainage Direction by Site Area	
Activity Locations Exposed to Storm Water	
Equipment Locations Exposed to Storm Water	
Materials Potentially Exposed to Storm Water	
Spill or Leak Areas - Past or Potential	

Authorized Signatory _____ Date _____

EPA I.D. NUMBER= VA0083097

V. Intake and effluent characteristics (continued from page 3 of Form 2c) Outfall 001

Part A- You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

	2. Effluent							3. Units	
	A. MAXIMUM DAILY VALUE		B. MAXIMUM 30 DAY VALUE		C. LONG TERM AVRG. VALUE				
	Concentration	Mass	Concentration	Mass	Concentration	Mass	No. of Analyses	Concentration	Mass
Biochemical Oxygen Demand	<2	<21.44665	.	.	.	.	1	PPM	LB/DAY
Chemical Oxygen Demand	14.71	157.74011075	.	.	.	.	1	PPM	LB/DAY
Total Organic Carbon	8.6	92.220595	.	.	.	.	1	PPM	LB/DAY
Total Suspended Solids	8.5	132.615402	8.5	82.4856	4.2846	37.1791	13	PPM	LB/DAY
Ammonia,total	0.06	0.6433995	.	.	.	.	1	PPM	LB/DAY
Flow	2.567	.	1.79	.	1.082	.	1187	MGD	.
Temperature (Winter)	28.51	.	28.51	.	24.8727	.	220	DEGREES C	.
Temperature (Summer)	34.96	.	34.96	.	33.7433	.	180	DEGREES C	.
pH	6.45 (min)	9.34 (max)	N/A	N/A	N/A	N/A	79	STD. UNITS	.

PART B.

	Mark X		2. Effluent							3. Units	
			A. MAXIMUM DAILY VALUE		B. MAXIMUM 30 DAY VALUE		C. LONG TERM AVRG. VALUE				
	believed present	believed absent	Concentration	Mass	Concentration	Mass	Concentration	Mass	No. of Analyses	Concentration	Mass
Bromide,total (24959-67-6)	X		8.84	94.794193	.	.	.	.	1	PPM	LB/DAY
Chlorine, Total Residual	X		<0.15	<1.9463878	<0.1	<1.5367	<0.13	<1.2908	3	PPM	LB/DAY
Color	X		10	.	.	.	.	.	1	PCU	.
Fecal Coliform		X	No Sample	.	.	.	.	.	0	COL/100ML	.
Fluoride (16984-48-8)	X		0.349	3.742440425	.	.	.	.	1	PPM	LB/DAY
Nitrate + Nitrite	X		0.47	5.03996275	.	.	.	.	1	PPM	LB/DAY

Item V-B Continued
Part C.

Outfall 001

1. POLLUTANT	Mark X believed present	Mark X believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	A. Mass	B. MAXIMUM 30 DAY VALUE Concentration	B. Mass	C. LONG TERM AVRG. VALUE Concentration	C. Mass	No. of Analyses	3. Units Concentration	Mass
Nitrogen, Total Org. (As N)	X		0.62	6.6484615	.	.	.	.	1	PPM	LB/DAY
Oil & Grease	X		<5	<107.108075	<5	<67.7372	<5	<43.4523	14	PPM	LB/DAY
Phosphorus (As P), Total (07723-14-0)	X		0.31	3.32423075	.	.	.	.	1	PPM	LB/DAY
j. Radioactivity **********											
Alpha, Total	X		<2.73	.	.	.	.	.	1	PCI/LITER	.
Beta, Total	X		5.02	.	.	.	.	.	1	PCI/LITER	.
Radium,total		X	No Sample	.	.	.	.	.	0	PCI/LITER	.
Radium 226 , Total		X	No Sample	.	.	.	.	.	0	PCI/LITER	.
Sulfate (As So4) (14808-79-8)	X		199.54	2139.7322705	.	.	.	.	1	PPM	LB/DAY
Sulfide (As S)	X		<0.01	<0.10723325	.	.	.	.	1	PPM	LB/DAY
Sulfite (As So3) (14265-45-3)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Surfactants	X		<0.025	<0.268083125	.	.	.	.	1	PPM	LB/DAY
Aluminum,total (07429-90-5)	X		0.24	2.573598	.	.	.	.	1	PPM	LB/DAY
Barium,total (07440-39-3)	X		0.108	1.1581191	.	.	.	.	1	PPM	LB/DAY
Boron,total (07440-42-8)	X		0.03	0.32169975	.	.	.	.	1	PPM	LB/DAY
Cobalt,total (07440-48-4)	X		<0.003	<0.032169975	.	.	.	.	1	PPM	LB/DAY
Iron,total (07439-89-6)	X		0.17	1.82296525	.	.	.	.	1	PPM	LB/DAY
Magnesium,total (07439-95-4)	X		20.3	217.6834975	.	.	.	.	1	PPM	LB/DAY
Molybdenum,total (07439-98-7)	X		0.016	0.1715732	.	.	.	.	1	PPM	LB/DAY
Manganese,total (07439-96-5)	X		<0.02	<0.2144665	.	.	.	.	1	PPM	LB/DAY
Tin,total (07440-31-5)	X		0.006	0.06433995	.	.	.	.	1	PPM	LB/DAY
Titanium,total (07440-32-6)	X		<0.002	<0.02144665	.	.	.	.	1	PPM	LB/DAY

EPA I.D. NUMBER= VA0083097

V. Intake and effluent characteristics (continued from page 3 of Form 2c) Outfall 002

Part A- You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

	2. Effluent							3. Units	
	A. MAXIMUM DAILY VALUE		B. MAXIMUM 30 DAY VALUE		C. LONG TERM AVRG. VALUE				
	Concentration	Mass	Concentration	Mass	Concentration	Mass	No. of Analyses	Concentration	Mass
Biochemical Oxygen Demand	<2	<3.12103	.	.	.	.	1	PPM	LB/DAY
Chemical Oxygen Demand	<5	<7.802575	.	.	.	.	1	PPM	LB/DAY
Total Organic Carbon	0.5	0.7802575	.	.	.	.	1	PPM	LB/DAY
Total Suspended Solids	37.8	51.4577735	24.4	13.7221	9.05	8.2231	20	PPM	LB/DAY
Ammonia,total	0.69	1.07675535	.	.	.	.	1	PPM	LB/DAY
Flow	0.383	.	0.162	.	0.1148	.	306	MGD	.
Temperature (Winter)	23.5	.	17.2	.	17.2	.	3	DEGREES C	.
Temperature (Summer)	27.8	.	27.4667	.	27.4667	.	3	DEGREES C	.
pH	6.1 (min)	8.88 (max)	N/A	N/A	N/A	N/A	20	STD. UNITS	.

PART B.

	Mark X		2. Effluent						3. Units	
			A. MAXIMUM DAILY VALUE		B. MAXIMUM 30 DAY VALUE		C. LONG TERM AVRG. VALUE			
	believed present	believed absent	Concentration	Mass	Concentration	Mass	Concentration	Mass	No. of Analyses	Concentration	Mass
Bromide,total (24959-67-6)	X		1.75	2.73090125	.	.	.	.	1	PPM	LB/DAY
Chlorine, Total Residual		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Color	X		15	.	.	.	.	.	1	PCU	.
Fecal Coliform		X	No Sample	.	.	.	.	.	0	COL/100ML	.
Fluoride (16984-48-8)	X		1.742	2.71841713	.	.	.	.	1	PPM	LB/DAY
Nitrate + Nitrite	X		0.32	0.4993648	.	.	.	.	1	PPM	LB/DAY

Item V-B Continued
Part C.

Outfall 002

1. POLLUTANT	Mark X believed present	Mark X believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	A. Mass	B. MAXIMUM 30 DAY VALUE Concentration	B. Mass	C. LONG TERM AVRG. VALUE Concentration	C. Mass	No. of Analyses	3. Units Concentration	Mass
Nitrogen, Total Org. (As N)	X		0.56	0.8738884	.	.	.	.	1	PPM	LB/DAY
Oil & Grease	X		<5	<7.802575	.	.	.	.	1	PPM	LB/DAY
Phosphorus (As P), Total (07723-14-0)	X		<0.05	<0.07802575	.	.	.	.	1	PPM	LB/DAY
j. Radioactivity **********											
Alpha, Total	X		<5.84	.	.	.	.	.	1	PCI/LITER	.
Beta, Total	X		4.67	.	.	.	.	.	1	PCI/LITER	.
Radium,total	X		<0.83	.	.	.	.	.	1	PCI/LITER	.
Radium 226 , Total	X		<0.56	.	.	.	.	.	1	PCI/LITER	.
Sulfate (As So4) (14808-79-8)	X		1957.21	3054.25556315	.	.	.	.	1	PPM	LB/DAY
Sulfide (As S)	X		0.01	0.01560515	.	.	.	.	1	PPM	LB/DAY
Sulfite (As So3) (14265-45-3)		X	No Sample	.	.	.	.	.	0	PPM	LB/DAY
Surfactants	X		0.029	0.045254935	.	.	.	.	1	PPM	LB/DAY
Aluminum,total (07429-90-5)	X		0.57	0.88949355	.	.	.	.	1	PPM	LB/DAY
Barium,total (07440-39-3)	X		0.069	0.107675535	.	.	.	.	1	PPM	LB/DAY
Boron,total (07440-42-8)	X		1.1	1.7165665	.	.	.	.	1	PPM	LB/DAY
Cobalt,total (07440-48-4)	X		0.015	0.023407725	.	.	.	.	1	PPM	LB/DAY
Iron,total (07439-89-6)	X		1.59	2.48121885	.	.	.	.	1	PPM	LB/DAY
Magnesium,total (07439-95-4)	X		43.2	67.414248	.	.	.	.	1	PPM	LB/DAY
Molybdenum,total (07439-98-7)	X		0.002	0.00312103	.	.	.	.	1	PPM	LB/DAY
Manganese,total (07439-96-5)	X		1.13	1.76338195	.	.	.	.	1	PPM	LB/DAY
Tin,total (07440-31-5)	X		<0.005	<0.007802575	.	.	.	.	1	PPM	LB/DAY
Titanium,total (07440-32-6)	X		<0.002	<0.00312103	.	.	.	.	1	PPM	LB/DAY

Run on 06/15/2010

Continued from Page V2

Outfall 002

1. POLLUTANT	Mark X testing required	Mark X believed present	Mark X believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	A. Mass	B. MAXIMUM 30 DAY VALUE Concentration	B. Mass	C. LONG TERM AVRG. VALUE Concentration	C. Mass	No. of Analyses	3. Units Concentration	Mass
METALS, CYANIDE, AND TOTAL PHENOLS												
Antimony,total (07440-36-0)	X	X		<0.001	<0.001560515	.	.	.	.	1	PPM	LB/DAY
Arsenic,total (07440-38-2)	X	X		<0.003	<0.004681545	.	.	.	.	1	PPM	LB/DAY
Beryllium,total (07440-41-7)	X	X		0.0005	0.0007802575	.	.	.	.	1	PPM	LB/DAY
Cadmium,total (07440-43-9)	X	X		<0.0003	<0.0004681545	.	.	.	.	1	PPM	LB/DAY
Chromium,total (07440-47-3)	X	X		<0.001	<0.001560515	.	.	.	.	1	PPM	LB/DAY
Copper,total (07440-50-8)	X	X		0.004	0.00624206	.	.	.	.	1	PPM	LB/DAY
Lead,total (07439-92-1)	X	X		<0.001	<0.001560515	.	.	.	.	1	PPM	LB/DAY
Mercury,total (07439-97-6)	X	X		<0.0002	<0.000312103	.	.	.	.	1	PPM	LB/DAY
Nickel,total (07440-02-0)	X	X		0.038	0.05929957	.	.	.	.	1	PPM	LB/DAY
Selenium,total (07782-49-2)	X	X		0.005	0.007802575	.	.	.	.	1	PPM	LB/DAY
Silver,total (07440-22-4)	X	X		<0.0001	<0.0001560515	.	.	.	.	1	PPM	LB/DAY
Thallium,total (07440-28-0)	X	X		<0.0002	<0.000312103	.	.	.	.	1	PPM	LB/DAY
Zinc,total (07440-66-6)	X	X		0.055	0.085828325	.	.	.	.	1	PPM	LB/DAY
Cyanide , Total (00057-12-5)	X	X		0.016	0.02496824	.	.	.	.	1	PPM	LB/DAY
Total Phenols	X	X		0.01	0.01560515	.	.	.	.	1	PPM	LB/DAY
DIOXIN												
Dioxin Screen			X	No Sample	.	.	.	.	.	.	PPM	LB/DAY

Continued from Page V3

Outfall 002

1. POLLUTANT	Mark X testing required	believed present	believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	Mass	B. MAXIMUM 30 DAY VALUE Concentration	Mass	C. LONG TERM AVRG. VALUE Concentration	Mass	No. of Analyses	3. Units Concentration	Mass
GCMS FRACTION - VOLATILE COMPOUNDS												
Acrolein (00107-02-8)	X	X		<0.01	<0.01560515	.	.	.	.	1	PPM	LB/DAY
Acrylonitrile (00107-13-1)	X	X		<0.0015	<0.0023407725	.	.	.	.	1	PPM	LB/DAY
Benzene (00071-43-2)	X	X		<0.0044	<0.006866266	.	.	.	.	1	PPM	LB/DAY
BIS (Chloromethyl) Ether (542-88-1)			X	No Sample Required		No Sample Required		No Sample Required				
Bromoform (00075-25-2)	X	X		<0.0047	<0.0073344205	.	.	.	.	1	PPM	LB/DAY
Carbon Tetrachloride (00056-23-5)	X	X		<0.0028	<0.004369442	.	.	.	.	1	PPM	LB/DAY
Chlorobenzene (00108-90-7)	X	X		<0.006	<0.00936309	.	.	.	.	1	PPM	LB/DAY
Chlorodibromomethane (00124-48-1)	X	X		<0.0031	<0.0048375965	.	.	.	.	1	PPM	LB/DAY
Chloroethane (00075-00-3)	X	X		<0.0011	<0.0017165665	.	.	.	.	1	PPM	LB/DAY
2-Chloroethylvinyl Ether (00110-75-8)	X	X		<0.0012	<0.001872618	.	.	.	.	1	PPM	LB/DAY
Chloroform (00067-66-3)	X	X		<0.0016	<0.002496824	.	.	.	.	1	PPM	LB/DAY
Dichlorobromomethane (00075-27-4)	X	X		<0.0022	<0.003433133	.	.	.	.	1	PPM	LB/DAY
Dichlorodifluormethane (75-71-8)			X	No Sample Required		No Sample Required		No Sample Required				
1,1-Dichloroethane (00075-34-3)	X	X		<0.0047	<0.0073344205	.	.	.	.	1	PPM	LB/DAY
1,2-Dichloroethane (00107-06-2)	X	X		<0.0028	<0.004369442	.	.	.	.	1	PPM	LB/DAY
1,1-Dichloroethylene (00075-35-4)	X	X		<0.0028	<0.004369442	.	.	.	.	1	PPM	LB/DAY
1,2-Dichloropropane (00078-87-5)	X	X		<0.006	<0.00936309	.	.	.	.	1	PPM	LB/DAY
1,3-Dichloropropylene (10061-02-6)	X	X		<0.005	<0.007802575	.	.	.	.	1	PPM	LB/DAY
Ethyl Benzene (00100-41-4)	X	X		<0.0072	<0.011235708	.	.	.	.	1	PPM	LB/DAY
Methyl Bromide (00074-83-9)	X	X		<0.0014	<0.002184721	.	.	.	.	1	PPM	LB/DAY
Methyl Chloride (00074-87-3)	X	X		<0.0011	<0.0017165665	.	.	.	.	1	PPM	LB/DAY

Continued from Page V4

Outfall 002

1. POLLUTANT	Mark X testing required	Mark X believed present	Mark X believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	A. Mass	B. MAXIMUM 30 DAY VALUE Concentration	B. Mass	C. LONG TERM AVRG. VALUE Concentration	C. Mass	No. of Analyses	3. Units Concentration	Mass
GCMS FRACTION-VOLATILE COMPOUNDS (CONT.)												
Methylene Chloride (00075-09-2)	X	X		<0.0028	<0.004369442	.	.	.	.	1	PPM	LB/DAY
1,1,2,2-Tetrachloroethane (00079-34-5)	X	X		<0.0069	<0.0107675535	.	.	.	.	1	PPM	LB/DAY
Tetrachloroethylene (00127-18-4)	X	X		<0.0041	<0.0063981115	.	.	.	.	1	PPM	LB/DAY
Toluene (00108-88-3)	X	X		<0.006	<0.00936309	.	.	.	.	1	PPM	LB/DAY
1,2-Trans-Dichloroethylene (00156-60-5)	X	X		<0.0016	<0.002496824	.	.	.	.	1	PPM	LB/DAY
1,1,1-Trichloroethane (00071-55-6)	X	X		<0.0038	<0.005929957	.	.	.	.	1	PPM	LB/DAY
1,1,2-Trichloroethane (00079-00-5)	X	X		<0.005	<0.007802575	.	.	.	.	1	PPM	LB/DAY
Trichloroethylene (00079-01-6)	X	X		<0.0019	<0.0029649785	.	.	.	.	1	PPM	LB/DAY
Trichlorofluoromethane (75-69-4)			X	No Sample Required		No Sample Required		No Sample Required				
Vinyl Chloride (00075-01-4)	X	X		<0.0018	<0.002808927	.	.	.	.	1	PPM	LB/DAY
GCMS FRACTION - ACID COMPOUNDS												
2-Chlorophenol (00095-57-8)	X	X		<0.0033	<0.0051496995	.	.	.	.	1	PPM	LB/DAY
2,4-Dichlorophenol (00120-83-2)	X	X		<0.0056	<0.008738884	.	.	.	.	1	PPM	LB/DAY
2,4-Dimethylphenol (00105-67-9)	X	X		<0.0052	<0.008114678	.	.	.	.	1	PPM	LB/DAY
4,6-Dinitro-O-Cresol (00534-52-1)	X	X		<0.024	<0.03745236	.	.	.	.	1	PPM	LB/DAY
2,4-Dinitrophenol (00051-28-5)	X	X		<0.042	<0.06554163	.	.	.	.	1	PPM	LB/DAY
2-Nitrophenol (00088-75-5)	X	X		<0.0036	<0.005617854	.	.	.	.	1	PPM	LB/DAY
4-Nitrophenol (00100-02-7)	X	X		<0.0024	<0.003745236	.	.	.	.	1	PPM	LB/DAY
P-Chloro-M-Cresol (00059-50-7)	X	X		<0.0075	<0.0117038625	.	.	.	.	1	PPM	LB/DAY
Pentachlorophenol (00087-86-5)	X	X		<0.0036	<0.005617854	.	.	.	.	1	PPM	LB/DAY
Phenol (00108-95-2)	X	X		<0.0027	<0.0042133905	.	.	.	.	1	PPM	LB/DAY
2,4,6-Trichlorophenol (00088-06-2)	X	X		<0.0027	<0.0042133905	.	.	.	.	1	PPM	LB/DAY

Continued from Page V5

Outfall 002

1. POLLUTANT	Mark X testing required	believed present	believed absent	A. MAXIMUM DAILY VALUE Concentration	A. MAXIMUM DAILY VALUE Mass	2. Effluent B. MAXIMUM 30 DAY VALUE Concentration	B. MAXIMUM 30 DAY VALUE Mass	C. LONG TERM AVRG. VALUE Concentration	C. LONG TERM AVRG. VALUE Mass	No. of Analyses	3. Units Concentration	3. Units Mass
GCMS FRACTION - BASE/NEUTRAL COMPOUNDS												
Acenaphthene (00083-32-9)	X	X		<0.003	<0.004681545	.	.	.	.	1	PPM	LB/DAY
Acenaphthylene (00208-96-8)	X	X		<0.0035	<0.0054618025	.	.	.	.	1	PPM	LB/DAY
Anthracene (00120-12-7)	X	X		<0.0019	<0.0029649785	.	.	.	.	1	PPM	LB/DAY
Benzidine (00092-87-5)	X	X		<0.063	<0.098312445	.	.	.	.	1	PPM	LB/DAY
Benzo (A) Anthracene (00056-55-3)	X	X		<0.0078	<0.012172017	.	.	.	.	1	PPM	LB/DAY
Benzo (A) Pyrene (00050-32-8)	X	X		<0.0025	<0.0039012875	.	.	.	.	1	PPM	LB/DAY
3,4-Benzofluoranthene (00205-99-2)	X	X		<0.0048	<0.007490472	.	.	.	.	1	PPM	LB/DAY
Benzo (G H I) Perylene (00191-24-2)	X	X		<0.0041	<0.0063981115	.	.	.	.	1	PPM	LB/DAY
Benzo (K) Fluoranthene (00207-08-9)	X	X		<0.0025	<0.0039012875	.	.	.	.	1	PPM	LB/DAY
Bis(2-Chloroethoxy) Methane (00111-91-1)	X	X		<0.0053	<0.0082707295	.	.	.	.	1	PPM	LB/DAY
Bis(-2-Chloroethyl) Ether (00111-44-4)	X	X		<0.0057	<0.0088949355	.	.	.	.	1	PPM	LB/DAY
Bis(2-Chloroisopropyl) Ether (00108-60-1)	X	X		<0.0057	<0.0088949355	.	.	.	.	1	PPM	LB/DAY
Bis(2-Ethylhexyl) Phthalate (00117-81-7)	X	X		<0.0025	<0.0039012875	.	.	.	.	1	PPM	LB/DAY
4-Bromophenyl-Phenyl Ether (00101-55-3)	X	X		<0.003	<0.004681545	.	.	.	.	1	PPM	LB/DAY
Butyl Benzyl Phthalate (00085-68-7)	X	X		<0.0025	<0.0039012875	.	.	.	.	1	PPM	LB/DAY
2-Chloronaphthalene (00091-58-7)	X	X		<0.0046	<0.007178369	.	.	.	.	1	PPM	LB/DAY
4-Chlorophenyl-Phenyl Ether (07005-72-3)	X	X		<0.0042	<0.006554163	.	.	.	.	1	PPM	LB/DAY
Chrysene (00218-01-9)	X	X		<0.0025	<0.0039012875	.	.	.	.	1	PPM	LB/DAY
Dibenzo (A H) Anthracene (00053-70-3)	X	X		<0.0025	<0.0039012875	.	.	.	.	1	PPM	LB/DAY
1,2-Dichlorobenzene (00095-50-1)	X	X		<0.004	<0.00624206	.	.	.	.	1	PPM	LB/DAY
1,3-Dichlorobenzene (00541-73-1)	X	X		<0.0031	<0.0048375965	.	.	.	.	1	PPM	LB/DAY

Continued from Page V6

Outfall 002

1. POLLUTANT	Mark X testing required	Mark X believed present	Mark X believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	A. Mass	B. MAXIMUM 30 DAY VALUE Concentration	B. Mass	C. LONG TERM AVRG. VALUE Concentration	C. Mass	No. of Analyses	3. Units Concentration	Mass
GCMS FRACTION - BASE/NEUTRAL COMP.(CONT)												
1,4-Dichlorobenzene (00106-46-7)	X	X		<0.0044	<0.006866266	.	.	.	.	1	PPM	LB/DAY
3,3'-Dichlorobenzidine (00091-94-1)	X	X		<0.0165	<0.0257484975	.	.	.	.	1	PPM	LB/DAY
Diethyl Phthalate (00084-66-2)	X	X		<0.0074	<0.011547811	.	.	.	.	1	PPM	LB/DAY
Dimethyl Phthalate (00131-11-3)	X	X		<0.0075	<0.0117038625	.	.	.	.	1	PPM	LB/DAY
Di-N-Butyl Phthalate (00084-74-2)	X	X		<0.0064	<0.009987296	.	.	.	.	1	PPM	LB/DAY
2,4-Dinitrotoluene (00121-14-2)	X	X		<0.0057	<0.0088949355	.	.	.	.	1	PPM	LB/DAY
2,6-Dinitrotoluene (00606-20-2)	X	X		<0.0034	<0.005305751	.	.	.	.	1	PPM	LB/DAY
Di-N-Octyl Phthalate (00117-84-0)	X	X		<0.0025	<0.0039012875	.	.	.	.	1	PPM	LB/DAY
1,2-Diphenylhydrazine (00122-66-7)	X	X		<0.0088	<0.013732532	.	.	.	.	1	PPM	LB/DAY
Fluoranthene (00206-44-0)	X	X		<0.0022	<0.003433133	.	.	.	.	1	PPM	LB/DAY
Fluorene (00086-73-7)	X	X		<0.0022	<0.003433133	.	.	.	.	1	PPM	LB/DAY
Hexachlorobenzene (00118-74-1)	X	X		<0.0031	<0.0048375965	.	.	.	.	1	PPM	LB/DAY
Hexachlorobutadiene (00087-68-3)	X	X		<0.0018	<0.002808927	.	.	.	.	1	PPM	LB/DAY
Hexachlorocyclopentadiene (00077-47-4)	X	X		<0.01	<0.01560515	.	.	.	.	1	PPM	LB/DAY
Hexachloroethane (00067-72-1)	X	X		<0.0024	<0.003745236	.	.	.	.	1	PPM	LB/DAY
Indeno (1,2,3-Cd) Pyrene (00193-39-5)	X	X		<0.0037	<0.0057739055	.	.	.	.	1	PPM	LB/DAY
Isophorone (00078-59-1)	X	X		<0.0051	<0.0079586265	.	.	.	.	1	PPM	LB/DAY
Naphthalene (00091-20-3)	X	X		<0.0038	<0.005929957	.	.	.	.	1	PPM	LB/DAY
Nitrobenzene (00098-95-3)	X	X		<0.0042	<0.006554163	.	.	.	.	1	PPM	LB/DAY
N-Nitrosodimethylamine (00062-75-9)	X	X		<0.0062	<0.009675193	.	.	.	.	1	PPM	LB/DAY
N-Nitroso-Di-N-Propylamine (00621-64-7)	X	X		<0.0036	<0.005617854	.	.	.	.	1	PPM	LB/DAY

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Outfall 002

1. POLLUTANT	Mark X testing required	Mark X believed present	Mark X believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	A. Mass	B. MAXIMUM 30 DAY VALUE Concentration	B. Mass	C. LONG TERM AVRG. VALUE Concentration	C. Mass	No. of Analyses	3. Units Concentration	Mass
GCMS FRACTION - BASE/NEUTRAL COMP (CONT)												
N-Nitrosodiphenylamine (00086-30-6)	X	X		<0.0027	<0.0042133905	.	.	.	.	1	PPM	LB/DAY
Phenanthrene (00085-01-8)	X	X		<0.0054	<0.008426781	.	.	.	.	1	PPM	LB/DAY
Pyrene (00129-00-0)	X	X		<0.0038	<0.005929957	.	.	.	.	1	PPM	LB/DAY
1,2,4-Trichlorobenzene (00120-82-1)	X	X		<0.0079	<0.0123280685	.	.	.	.	1	PPM	LB/DAY
GCMS FRACTION - PESTICIDES												
Aldrin (00309-00-2)	X	X		<0.00005	<0.0000780258	.	.	.	.	1	PPM	LB/DAY
Alpha BHC (00319-84-6)	X	X		<0.00005	<0.0000780258	.	.	.	.	1	PPM	LB/DAY
Beta BHC (00319-85-7)	X	X		<0.00005	<0.0000780258	.	.	.	.	1	PPM	LB/DAY
Gamma BHC (00058-89-9)	X	X		<0.00005	<0.0000780258	.	.	.	.	1	PPM	LB/DAY
Delta BHC (00319-86-8)	X	X		<0.00005	<0.0000780258	.	.	.	.	1	PPM	LB/DAY
Chlordane (00057-74-9)	X	X		<0.0002	<0.000312103	.	.	.	.	1	PPM	LB/DAY
4,4pr DDT (00050-29-3)	X	X		<0.0001	<0.0001560515	.	.	.	.	1	PPM	LB/DAY
4,4pr DDE (00072-55-9)	X	X		<0.0001	<0.0001560515	.	.	.	.	1	PPM	LB/DAY
4,4pr DDD (00072-54-8)	X	X		<0.0001	<0.0001560515	.	.	.	.	1	PPM	LB/DAY
Dieldrin (00060-57-1)	X	X		<0.0001	<0.0001560515	.	.	.	.	1	PPM	LB/DAY
Alpha-Endosulfan (00115-29-7)	X	X		<0.0001	<0.0001560515	.	.	.	.	1	PPM	LB/DAY
Beta-Endosulfan (00115-29-7)	X	X		<0.0001	<0.0001560515	.	.	.	.	1	PPM	LB/DAY
Endosulfan Sulfate (01031-07-8)	X	X		<0.0001	<0.0001560515	.	.	.	.	1	PPM	LB/DAY
Endrin (00072-20-8)	X	X		<0.0001	<0.0001560515	.	.	.	.	1	PPM	LB/DAY
Endrin Aldehyde (07421-93-4)	X	X		<0.0001	<0.0001560515	.	.	.	.	1	PPM	LB/DAY
Heptachlor (00076-44-8)	X	X		<0.0001	<0.0001560515	.	.	.	.	1	PPM	LB/DAY

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Outfall 002

1. POLLUTANT	Mark X testing required	believed present	believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	Mass	B. MAXIMUM 30 DAY VALUE Concentration	Mass	C. LONG TERM AVRG. VALUE Concentration	Mass	No. of Analyses	3. Units Concentration	Mass
GCMS FRACTION - PESTICIDES (CONTINUED)												
Heptachlor-Epoxide (01024-57-3)	X	X		<0.0001	<0.0001560515	.	.	.	.	1	PPM	LB/DAY
PCB 1242 (53469-21-9)	X	X		<0.001	<0.001560515	.	.	.	.	1	PPM	LB/DAY
PCB 1254 (11097-69-1)	X	X		<0.001	<0.001560515	.	.	.	.	1	PPM	LB/DAY
PCB 1221 (11104-28-2)	X	X		<0.001	<0.001560515	.	.	.	.	1	PPM	LB/DAY
PCB 1232 (11141-16-5)	X	X		<0.001	<0.001560515	.	.	.	.	1	PPM	LB/DAY
PCB 1248 (12672-29-6)	X	X		<0.001	<0.001560515	.	.	.	.	1	PPM	LB/DAY
PCB 1260 (11096-82-5)	X	X		<0.001	<0.001560515	.	.	.	.	1	PPM	LB/DAY
PCB 1016 (12674-11-2)	X	X		<0.001	<0.001560515	.	.	.	.	1	PPM	LB/DAY
Toxaphene (08001-35-2)	X	X		<0.005	<0.007802575	.	.	.	.	1	PPM	LB/DAY

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Outfall 002

	Mark X testing required	believed present	believed absent	2. Effluent A. MAXIMUM DAILY VALUE Concentration	Mass	B. MAXIMUM 30 DAY VALUE Concentration	Mass	C. LONG TERM AVRG. VALUE Concentration	Mass	No. of Analyses	3. Units Concentration	Mass
MISCELLANEOUS ATTACHMENT A PARAMETERS												
Kepone (00143-50-0)	X			<0.0001	<0.0001560515	.	.	.	.	1	PPM	LB/DAY
Methoxychlor (00072-43-5)	X			<0.0001	<0.0001560515	.	.	.	.	1	PPM	LB/DAY
Mirex (02385-85-5)	X			<0.0001	<0.0001560515	.	.	.	.	1	PPM	LB/DAY
Tributyltin (00688-73-3)	X			<0.00003	<0.0000468155	.	.	.	.	1	PPM	LB/DAY
Demeton (08065-48-3)	X			<0.001	<0.001560515	.	.	.	.	1	PPM	LB/DAY
Malathion (00121-75-5)	X			<0.001	<0.001560515	.	.	.	.	1	PPM	LB/DAY
Parathion (00056-38-2)	X			<0.001	<0.001560515	.	.	.	.	1	PPM	LB/DAY
Chlorpyrifos (02921-88-2)	X			<0.0002	<0.000312103	.	.	.	.	1	PPM	LB/DAY
Guthion (00086-50-0)	X			<0.001	<0.001560515	.	.	.	.	1	PPM	LB/DAY
Hydrogen Sulfide (07783-06-4)	X			<0.05	<0.07802575	.	.	.	.	1	PPM	LB/DAY
Strontium 90	X			<1.1	<1.7165665	.	.	.	.	1	PCI/LITER	.
Silvex (00093-72-1)	X			<0.0001	<0.0001560515	.	.	.	.	1	PPM	LB/DAY
2,4-D (00094-75-7)	X			<0.0001	<0.0001560515	.	.	.	.	1	PPM	LB/DAY
Tritium	X			<234	.	.	.	.	.	1	PCI/LITER	.
Total Hardness As Caco3	X			983.25	1534.37637375	.	.	.	.	1	PPM	LB/DAY
Chloride,total	X			80.86	126.1832429	.	.	.	.	1	PPM	LB/DAY
Antimony, Dissolved	X			<0.001	<0.001560515	.	.	.	.	1	PPM	LB/DAY
Arsenic, Dissolved	X			<0.003	<0.004681545	.	.	.	.	1	PPM	LB/DAY
Cadmium, Dissolved	X			<0.0003	<0.0004681545	.	.	.	.	1	PPM	LB/DAY
Chromium, Dissolved	X			<0.001	<0.001560515	.	.	.	.	1	PPM	LB/DAY
Copper, Dissolved	X			0.004	0.00624206	.	.	.	.	1	PPM	LB/DAY
Lead, Dissolved	X			<0.001	<0.001560515	.	.	.	.	1	PPM	LB/DAY
Mercury, Dissolved	X			<0.0002	<0.000312103	.	.	.	.	1	PPM	LB/DAY
Nickel, Dissolved	X			0.033	0.051496995	.	.	.	.	1	PPM	LB/DAY
Selenium, Dissolved	X			0.005	0.007802575	.	.	.	.	1	PPM	LB/DAY
Silver, Dissolved	X			<0.0001	<0.0001560515	.	.	.	.	1	PPM	LB/DAY
Thallium, Dissolved	X			<0.0002	<0.000312103	.	.	.	.	1	PPM	LB/DAY
Zinc, Dissolved	X			0.032	0.04993648	.	.	.	.	1	PPM	LB/DAY