

Appendix 7.2 Detailed Assessment Results for Human Health Risk Assessment

Table 1a Contaminant of Concern at Exposure Points and Seafood (Scenario 1)

Contaminant of Concern	C/D Effluent Conc. (mg/L)	Ambient Seawater Conc. (mg/L)	Conc. At edge of ZID (mg/L) – 10%tile dilution factor	Conc. At edge of Mixing Zone (mg/L) – 10%tile dilution factor	Conc. At the Nearest Beach (mg/L) – 10%tile dilution factor	Bioconcentration Factor (water-to-fish) (L/kg)	Food Chain Multiplier (Trophic Level 4)	Conc. In Seafood (mg/kg)
<i>Potential CBPs</i>								
TRC	0.1	0	1.89E-03	1.22E-03	6.13E-04	-	-	-
Bromodichloromethane	0.0025	0	4.72E-05	3.05E-05	1.53E-05	8.26	1	3.90E-04
Chloroform	0.007	0	1.32E-04	8.54E-05	4.29E-05	6.92	1	9.14E-04
Dibromochloromethane	0.0025	0	4.72E-05	3.05E-05	1.53E-05	10.4	1	4.91E-04
Chloroacetic acid	0.004	0	7.55E-05	4.88E-05	2.45E-05	0.26	1	1.96E-05
Dibromoacetic acid	0.004	0	7.55E-05	4.88E-05	2.45E-05	0.82	1	6.19E-05
Dichloroacetic acid	0.0459	0	8.66E-04	5.60E-04	2.82E-04	1.13	1	9.79E-04
Trichloroacetic acid	0.022	0	4.15E-04	2.68E-04	1.35E-04	5.75	1	2.39E-03
Tetrachloroethylene	0.0013	0	2.45E-05	1.59E-05	7.98E-06	82.80	1	2.03E-03
Trichloroethylene	0.002	0	3.77E-05	2.44E-05	1.23E-05	14.10	1	5.32E-04
pentachlorophenol	0.00125	0	2.36E-05	1.52E-05	7.67E-06	671	3.2	5.06E-02
2,4,6-trichlorophenol	0.002	0	3.77E-05	2.44E-05	1.23E-05	56.10	1.00	2.12E-03
a-BHC	0.00025	0	4.72E-06	3.05E-06	1.53E-06	168	1	7.92E-04
b-BHC	0.0005	0	9.43E-06	6.10E-06	3.07E-06	168	1	1.58E-03
g-BHC	0.0005	0	9.43E-06	6.10E-06	3.07E-06	168	1	1.58E-03
<i>Contaminants present in CEPT Effluent</i>								
Antimony*	0.000804	0.00021	2.21E-04	2.17E-04	2.14E-04	40	1.0	8.85E-03
Arsenic*	0.00149	0.00148	1.48E-03	1.48E-03	1.48E-03	114	1.0	1.69E-01
Barium*	0.0255	0.00719	7.54E-03	7.41E-03	7.30E-03	633	1.0	4.77E+00
Chromium III*	0.018	0.00043	7.62E-04	6.44E-04	5.38E-04	19	1.0	1.45E-02
Lead*	0.0021	0.000723	7.32E-04	7.29E-04	7.26E-04	0.09	1.0	6.59E-05
Mercury*	2.94E-5	6.00E-8	6.14E-07	4.18E-07	2.40E-07	3,190	1.0	1.96E-03
Nickel*	0.0285	0.00102	1.54E-03	1.36E-03	1.19E-03	78	1.0	1.20E-01
Selenium*	0.0004	0.00005	5.66E-05	5.43E-05	5.21E-05	129	1.0	7.30E-03
Silver*	0.00383	0.000058	1.29E-04	1.04E-04	8.11E-05	87.7	1.0	1.13E-02
Vanadium*	0.0291	0.00215	2.66E-03	2.48E-03	2.32E-03	-	-	-
Zinc*	0.0441	0.00354	4.31E-03	4.03E-03	3.79E-03	2,060	1.0	8.87E+00
TCDD (I-TEQ)	1E-10	3.9E-11	4.02E-11	3.97E-11	3.94E-11	34,400	27	3.73E-05
Toluene	0.012	0	2.26E-04	1.46E-04	7.36E-05	171	1.0	3.87E-02
Malathion	0.000031	0	5.85E-07	3.78E-07	1.90E-07	13.1	1.0	7.66E-06

\* Total concentration of metals were adopted for human health risk assessment

Table 1b Contaminant of Concern at Exposure Points and Seafood (Scenario 2)

Contaminant of Concern	C/D Effluent Conc. (mg/L)	Ambient Seawater Conc. (mg/L)	Conc. At edge of ZID (mg/L) – 10%tile dilution factor	Conc. At edge of Mixing Zone (mg/L) – 10%tile dilution factor	Conc. At the Nearest Beach (mg/L) – 10%tile dilution factor	Bioconcentration Factor (water-to-fish) (L/kg)	Food Chain Multiplier (Trophic Level 4)	Conc. In Seafood (mg/kg)
<i>Potential CBPs</i>								
TRC	0.1	0	2.04E-03	1.30E-03	6.85E-04	-	-	-
Bromodichloromethane	0.0025	0	5.10E-05	3.25E-05	1.71E-05	8.26	1	4.21E-04
Chloroform	0.007	0	1.43E-04	9.09E-05	4.79E-05	6.92	1	9.89E-04
Dibromochloromethane	0.0025	0	5.10E-05	3.25E-05	1.71E-05	10.4	1	5.31E-04
Chloroacetic acid	0.004	0	8.16E-05	5.19E-05	2.74E-05	0.26	1	2.12E-05
Dibromoacetic acid	0.004	0	8.16E-05	5.19E-05	2.74E-05	0.82	1	6.69E-05
Dichloroacetic acid	0.0459	0	9.37E-04	5.96E-04	3.14E-04	1.13	1	1.06E-03
Trichloroacetic acid	0.022	0	4.49E-04	2.86E-04	1.51E-04	5.75	1	2.58E-03
Tetrachloroethylene	0.0013	0	2.65E-05	1.69E-05	8.90E-06	82.80	1	2.20E-03

Contaminant of Concern	C/D Effluent Conc. (mg/L)	Ambient Seawater Conc. (mg/L)	Conc. At edge of ZID (mg/L) – 10%tile dilution factor	Conc. At edge of Mixing Zone (mg/L) – 10%tile dilution factor	Conc. At the Nearest Beach (mg/L) – 10%tile dilution factor	Bioconcentration Factor (water-to-fish) (L/kg)	Food Chain Multiplier (Trophic Level 4)	Conc. In Seafood (mg/kg)
Trichloroethylene	0.002	0	4.08E-05	2.60E-05	1.37E-05	14.10	1	5.76E-04
pentachlorophenol	0.00125	0	2.55E-05	1.62E-05	8.56E-06	671	3.2	5.48E-02
2,4,6-trichlorophenol	0.002	0	4.08E-05	2.60E-05	1.37E-05	56.10	1.00	2.29E-03
a-BHC	0.00025	0	5.10E-06	3.25E-06	1.71E-06	168	1	8.57E-04
b-BHC	0.0005	0	1.02E-05	6.49E-06	3.42E-06	168	1	1.71E-03
g-BHC	0.0005	0	1.02E-05	6.49E-06	3.42E-06	168	1	1.71E-03
<i>Contaminants present in CEPT Effluent</i>								
Antimony*	0.000804	0.00021	2.22E-04	2.18E-04	2.14E-04	40	1.0	8.88E-03
Arsenic*	0.00149	0.00148	1.48E-03	1.48E-03	1.48E-03	114	1.0	1.69E-01
Barium*	0.0255	0.00719	7.56E-03	7.43E-03	7.32E-03	633	1.0	4.79E+00
Chromium III*	0.018	0.00043	7.89E-04	6.58E-04	5.50E-04	19	1.0	1.50E-02
Lead*	0.0021	0.000723	7.33E-04	7.29E-04	7.26E-04	0.09	1.0	6.60E-05
Mercury*	2.94E-5	6.00E-8	6.59E-07	4.41E-07	2.61E-07	3,190	1.0	2.10E-03
Nickel*	0.0285	0.00102	1.58E-03	1.38E-03	1.21E-03	78	1.0	1.23E-01
Selenium*	0.0004	0.00005	5.71E-05	5.45E-05	5.24E-05	129	1.0	7.37E-03
Silver*	0.00383	0.000058	1.35E-04	1.07E-04	8.38E-05	87.7	1.0	1.18E-02
Vanadium*	0.0291	0.00215	2.70E-03	2.50E-03	2.33E-03	-	-	-
Zinc*	0.0441	0.00354	4.37E-03	4.07E-03	3.82E-03	2,060	1.0	9.00E+00
TCDD (I-TEQ)	1E-10	3.9E-11	4.02E-11	3.98E-11	3.94E-11	34,400	27	3.74E-05
Toluene	0.012	0	2.45E-04	1.56E-04	8.22E-05	171	1.0	4.19E-02
Malathion	0.000031	0	6.33E-07	4.03E-07	2.12E-07	13.1	1.0	8.29E-06

\* Total concentration of metals were adopted for human health risk assessment

**Table 1c Contaminant of Concern at Exposure Points and Seafood (Scenario 3)**

Contaminant of Concern	C/D Effluent Conc. (mg/L)	Ambient Seawater Conc. (mg/L)	Conc. At edge of ZID (mg/L) – 10%tile dilution factor	Conc. At edge of Mixing Zone (mg/L) – 10%tile dilution factor	Conc. At the Nearest Beach (mg/L) – 10%tile dilution factor	Bioconcentration Factor (water-to-fish) (L/kg)	Food Chain Multiplier (Trophic Level 4)	Conc. In Seafood (mg/kg)
<i>Potential CBPs</i>								
Bromoform	0.049	0	1.00E-03	6.36E-04	3.36E-04	13.3	1	1.33E-02
Bromodichloromethane	0.0025	0	5.10E-05	3.25E-05	1.71E-05	8.26	1	4.21E-04
Chloroform	0.0025	0	5.10E-05	3.25E-05	1.71E-05	6.92	1	3.53E-04
Dibromochloromethane	0.008	0	1.63E-04	1.04E-04	5.48E-05	10.4	1	1.70E-03
Dibromoacetic acid	0.01	0	2.04E-04	1.30E-04	6.85E-05	0.82	1	1.67E-04
Dichloroacetic acid	0.003	0	6.12E-05	3.90E-05	2.05E-05	1.13	1	6.92E-05
Trichloroacetic acid	0.007	0	1.43E-04	9.09E-05	4.79E-05	5.75	1	8.21E-04
Pentachlorophenol	0.00125	0	2.55E-05	1.62E-05	8.56E-06	671	3.2	5.48E-02
a-BHC	0.00025	0	5.10E-06	3.25E-06	1.71E-06	168	1	8.57E-04
b-BHC	0.0005	0	1.02E-05	6.49E-06	3.42E-06	168	1	1.71E-03
g-BHC	0.0005	0	1.02E-05	6.49E-06	3.42E-06	168	1	1.71E-03
<i>Contaminants present in Secondary Treated Effluent</i>								
Antimony*	0.000631	0.00021	2.19E-04	2.15E-04	2.13E-04	40	1.0	8.74E-03
Barium*	0.0245	0.00917	7.54E-03	7.41E-03	7.31E-03	633	1.0	4.77E+00
Chromium III*	0.00838	0.00043	5.92E-04	5.33E-04	4.84E-04	19	1.0	1.13E-02
Nickel*	0.0223	0.00102	1.45E-03	1.30E-03	1.17E-03	78	1.0	1.13E-01
Selenium*	0.00014	0.00005	5.18E-05	5.12E-05	5.06E-05	129	1.0	6.69E-03
Silver*	0.000387	0.000058	6.45E-05	6.22E-05	6.02E-05	87.7	1.0	5.66E-03
Vanadium*	0.0305	0.00215	2.73E-03	2.52E-03	2.34E-03	-	-	-
Zinc*	0.0118	0.00354	3.71E-03	3.65E-03	3.60E-03	2,060	1.0	7.64E+00
TCDD (I-TEQ)*	6.2E-11	3.9E-11	3.95E-11	3.93E-11	3.92E-11	34,400	27	3.67E-05
Malathion*	0.000015	0	3.06E-07	1.95E-07	1.03E-07	13.1	1.0	4.01E-06

\* Total concentration of metals were adopted for human health risk assessment

**Table 2a Exposure of Contaminant of Concern – Dropping from Ship at edge of ZID with Fishermen Diet (Scenario 1)**

Contaminant of Concern	Conc. at edge of ZID (mg/L)	Conc. in Seafood (mg/kg)	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Adult	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Child	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Adult	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Child	Daily Exposure via Consumption of Seafood (mg/kg-d) - Lifetime	Daily Exposure via Consumption of Seafood (mg/kg-d) - Adult	Daily Exposure via Consumption of Seafood (mg/kg-d) - Child	Total Daily Exposure (mg/kg-d) – Lifetime	Total Daily Exposure (mg/kg-d) – Adult	Total Daily Exposure (mg/kg-d) – Child
<i>Potential CBPs</i>														
TRC	1.89E-03	-	2.64E-08	2.15E-08	4.04E-08	1.76E-08	1.72E-08	1.87E-08	-	-	-	4.40E-08	3.88E-08	5.91E-08
Bromodichloromethane	4.72E-05	3.90E-04	6.60E-10	5.38E-10	1.01E-09	3.38E-08	3.31E-08	3.60E-08	4.04E-11	4.04E-11	4.04E-11	3.45E-08	3.37E-08	3.71E-08
Chloroform	1.32E-04	9.14E-04	1.85E-09	1.51E-09	2.83E-09	4.81E-09	4.70E-09	5.11E-09	9.47E-11	9.47E-11	9.48E-11	6.75E-09	6.30E-09	8.04E-09
Dibromochloromethane	4.72E-05	4.91E-04	6.60E-10	5.38E-10	1.01E-09	1.41E-09	1.38E-09	1.50E-09	5.09E-11	5.08E-11	5.09E-11	2.12E-09	1.97E-09	2.56E-09
Chloroacetic acid	7.55E-05	1.96E-05	1.06E-09	8.62E-10	1.62E-09	2.89E-10	2.82E-10	3.07E-10	2.03E-12	2.03E-12	2.04E-12	1.35E-09	1.15E-09	1.92E-09
Dibromoacetic acid	7.55E-05	6.19E-05	1.06E-09	8.62E-10	1.62E-09	1.95E-10	1.91E-10	2.07E-10	6.42E-12	6.41E-12	6.42E-12	1.26E-09	1.06E-09	1.83E-09
Dichloroacetic acid	8.66E-04	9.79E-04	1.21E-08	9.89E-09	1.85E-08	6.86E-09	6.71E-09	7.29E-09	1.01E-10	1.01E-10	1.02E-10	1.91E-08	1.67E-08	2.59E-08
Trichloroacetic acid	4.15E-04	2.39E-03	5.80E-09	4.74E-09	8.88E-09	8.11E-09	7.93E-09	8.63E-09	2.47E-10	2.47E-10	2.48E-10	1.42E-08	1.29E-08	1.78E-08
Tetrachloroethylene	2.45E-05	2.03E-03	3.43E-10	2.80E-10	5.25E-10	5.53E-08	5.40E-08	5.88E-08	2.11E-10	2.11E-10	2.11E-10	5.58E-08	5.45E-08	5.95E-08
Trichloroethylene	3.77E-05	5.32E-04	5.28E-10	4.31E-10	8.08E-10	4.89E-08	4.78E-08	5.20E-08	5.52E-11	5.51E-11	5.52E-11	4.94E-08	4.83E-08	5.28E-08
pentachlorophenol	2.36E-05	5.06E-02	3.30E-10	2.69E-10	5.05E-10	3.02E-07	2.95E-07	3.21E-07	5.25E-09	5.25E-09	5.25E-09	3.07E-07	3.01E-07	3.27E-07
2,4,6-trichlorophenol	3.77E-05	2.12E-03	5.28E-10	4.31E-10	8.08E-10	2.69E-08	2.64E-08	2.87E-08	2.19E-10	2.19E-10	2.20E-10	2.77E-08	2.70E-08	2.97E-08
a-BHC	4.72E-06	7.92E-04	6.60E-11	5.38E-11	1.01E-10	1.76E-09	1.72E-09	1.87E-09	8.22E-11	8.21E-11	8.22E-11	1.91E-09	1.86E-09	2.05E-09
b-BHC	9.43E-06	1.58E-03	1.32E-10	1.08E-10	2.02E-10	3.30E-09	3.23E-09	3.51E-09	1.64E-10	1.64E-10	1.64E-10	3.59E-09	3.50E-09	3.87E-09
g-BHC	9.43E-06	1.58E-03	1.32E-10	1.08E-10	2.02E-10	3.08E-09	3.01E-09	3.28E-09	1.64E-10	1.64E-10	1.64E-10	3.38E-09	3.28E-09	3.64E-09
<i>Contaminants present in CEPT Effluent</i>														
Antimony	2.21E-04	8.85E-03	3.09E-09	2.53E-09	4.73E-09	2.07E-09	2.02E-09	2.20E-09	9.17E-10	9.17E-10	9.18E-10	6.08E-09	5.46E-09	7.85E-09
Arsenic	1.48E-03	1.69E-01	2.07E-08	1.69E-08	3.17E-08	1.38E-08	1.35E-08	1.47E-08	1.75E-08	1.75E-08	1.75E-08	5.20E-08	4.79E-08	6.39E-08
Barium	7.54E-03	4.77E+00	1.05E-07	8.60E-08	1.61E-07	7.04E-08	6.88E-08	7.48E-08	4.94E-07	4.94E-07	4.95E-07	6.70E-07	6.49E-07	7.31E-07
Chromium III	7.62E-04	1.45E-02	1.06E-08	8.69E-09	1.63E-08	7.11E-09	6.95E-09	7.56E-09	1.50E-09	1.50E-09	1.50E-09	1.93E-08	1.71E-08	2.54E-08
Lead	7.32E-04	6.59E-05	1.02E-08	8.36E-09	1.57E-08	6.84E-09	6.69E-09	7.27E-09	6.83E-12	6.83E-12	6.84E-12	1.71E-08	1.51E-08	2.30E-08
Mercury	6.14E-07	1.96E-03	8.58E-12	7.00E-12	1.31E-11	5.73E-12	5.60E-12	6.09E-12	2.03E-10	2.03E-10	2.03E-10	2.17E-10	2.15E-10	2.22E-10
Nickel	1.54E-03	1.20E-01	2.15E-08	1.76E-08	3.29E-08	1.44E-08	1.41E-08	1.53E-08	1.24E-08	1.24E-08	1.24E-08	4.83E-08	4.41E-08	6.07E-08
Selenium	5.66E-05	7.30E-03	7.92E-10	6.46E-10	1.21E-09	5.29E-10	5.17E-10	5.62E-10	7.57E-10	7.57E-10	7.57E-10	2.08E-09	1.92E-09	2.53E-09
Silver	1.29E-04	1.13E-02	1.81E-09	1.47E-09	2.76E-09	1.21E-09	1.18E-09	1.28E-09	1.17E-09	1.17E-09	1.18E-09	4.19E-09	3.83E-09	5.22E-09
Vanadium	2.66E-03	-	3.72E-08	3.03E-08	5.69E-08	2.48E-08	2.43E-08	2.64E-08	-	-	-	6.20E-08	5.46E-08	8.33E-08
Zinc	4.31E-03	8.87E+00	6.02E-08	4.91E-08	9.22E-08	4.02E-08	3.93E-08	4.28E-08	9.19E-07	9.19E-07	9.20E-07	1.02E-06	1.01E-06	1.05E-06
TCDD (I-TEQ)	4.02E-11	3.73E-05	5.61E-16	4.58E-16	8.59E-16	1.64E-12	1.60E-12	1.74E-12	3.87E-12	3.87E-12	3.87E-12	5.50E-12	5.47E-12	5.61E-12
Toluene	2.26E-04	3.87E-02	3.17E-09	2.58E-09	4.85E-09	5.18E-08	5.07E-08	5.51E-08	4.01E-09	4.01E-09	4.02E-09	5.90E-08	5.73E-08	6.40E-08
Malathion	5.85E-07	7.66E-06	8.18E-12	6.68E-12	1.25E-11	1.57E-11	1.54E-11	1.67E-11	7.94E-13	7.94E-13	7.95E-13	2.47E-11	2.29E-11	3.00E-11

**Table 2b Exposure of Contaminant of Concern – Frequent Swimming at edge of Mixing Zone with Fishermen Diet (Scenario 1)**

Contaminant of Concern	Conc. at edge of Mixing Zone (mg/L)	Conc. in Seafood (mg/kg)	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Adult	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Child	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Adult	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Child	Daily Exposure via Consumption of Seafood (mg/kg-d) - Lifetime	Daily Exposure via Consumption of Seafood (mg/kg-d) - Adult	Daily Exposure via Consumption of Seafood (mg/kg-d) - Child	Total Daily Exposure (mg/kg-d) – Lifetime	Total Daily Exposure (mg/kg-d) – Adult	Total Daily Exposure (mg/kg-d) – Child
<i>Potential CBPs</i>														
TRC	1.22E-03	-	1.10E-06	8.98E-07	1.68E-06	7.34E-07	7.18E-07	7.81E-07	-	-	-	1.83E-06	1.62E-06	2.46E-06
Bromodichloromethane	3.05E-05	3.90E-04	2.75E-08	2.24E-08	4.21E-08	1.62E-06	1.59E-06	1.72E-06	4.04E-11	4.04E-11	4.04E-11	1.65E-06	1.61E-06	1.77E-06
Chloroform	8.54E-05	9.14E-04	7.70E-08	6.28E-08	1.18E-07	2.49E-07	2.44E-07	2.65E-07	9.47E-11	9.47E-11	9.48E-11	3.26E-07	3.07E-07	3.83E-07
Dibromochloromethane	3.05E-05	4.91E-04	2.75E-08	2.24E-08	4.21E-08	1.38E-07	1.35E-07	1.46E-07	5.09E-11	5.08E-11	5.09E-11	1.65E-07	1.57E-07	1.88E-07
Chloroacetic acid	4.88E-05	1.96E-05	4.40E-08	3.59E-08	6.73E-08	1.33E-08	1.30E-08	1.42E-08	2.03E-12	2.03E-12	2.04E-12	5.73E-08	4.89E-08	8.15E-08
Dibromoacetic acid	4.88E-05	6.19E-05	4.40E-08	3.59E-08	6.73E-08	1.93E-08	1.89E-08	2.06E-08	6.42E-12	6.41E-12	6.42E-12	6.33E-08	5.48E-08	8.79E-08
Dichloroacetic acid	5.60E-04	9.79E-04	5.05E-07	4.12E-07	7.73E-07	3.32E-07	3.25E-07	3.53E-07	1.01E-10	1.01E-10	1.02E-10	8.37E-07	7.37E-07	1.13E-06
Trichloroacetic acid	2.68E-04	2.39E-03	2.42E-07	1.97E-07	3.70E-07	4.21E-07	4.12E-07	4.48E-07	2.47E-10	2.47E-10	2.48E-10	6.63E-07	6.09E-07	8.18E-07

Contaminant of Concern	Conc. at edge of Mixing Zone (mg/L)	Conc. in Seafood (mg/kg)	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Adult	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Child	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Adult	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Child	Daily Exposure via Consumption of Seafood (mg/kg-d) - Lifetime	Daily Exposure via Consumption of Seafood (mg/kg-d) - Adult	Daily Exposure via Consumption of Seafood (mg/kg-d) - Child	Total Daily Exposure (mg/kg-d) – Lifetime	Total Daily Exposure (mg/kg-d) – Adult	Total Daily Exposure (mg/kg-d) – Child
Tetrachloroethylene	1.59E-05	2.03E-03	1.43E-08	1.17E-08	2.19E-08	5.09E-06	4.98E-06	5.41E-06	2.11E-10	2.11E-10	2.11E-10	5.10E-06	4.99E-06	5.44E-06
Trichloroethylene	2.44E-05	5.32E-04	2.20E-08	1.80E-08	3.37E-08	2.40E-06	2.34E-06	2.55E-06	5.52E-11	5.51E-11	5.52E-11	2.42E-06	2.36E-06	2.58E-06
pentachlorophenol	1.52E-05	5.06E-02	1.37E-08	1.12E-08	2.10E-08	1.74E-05	1.70E-05	1.85E-05	5.25E-09	5.25E-09	5.25E-09	1.75E-05	1.71E-05	1.86E-05
2,4,6-trichlorophenol	2.44E-05	2.12E-03	2.20E-08	1.80E-08	3.37E-08	1.56E-06	1.52E-06	1.66E-06	2.19E-10	2.19E-10	2.20E-10	1.58E-06	1.54E-06	1.69E-06
a-BHC	3.05E-06	7.92E-04	2.75E-09	2.24E-09	4.21E-09	1.02E-07	9.94E-08	1.08E-07	8.22E-11	8.21E-11	8.22E-11	1.04E-07	1.02E-07	1.12E-07
b-BHC	6.10E-06	1.58E-03	5.50E-09	4.49E-09	8.42E-09	1.91E-07	1.86E-07	2.03E-07	1.64E-10	1.64E-10	1.64E-10	1.96E-07	1.91E-07	2.11E-07
g-BHC	6.10E-06	1.58E-03	5.50E-09	4.49E-09	8.42E-09	1.78E-07	1.74E-07	1.89E-07	1.64E-10	1.64E-10	1.64E-10	1.84E-07	1.79E-07	1.98E-07
<i>Contaminants present in CEPT Effluent</i>														
Antimony	2.17E-04	8.85E-03	1.96E-07	1.60E-07	3.00E-07	1.31E-07	1.28E-07	1.39E-07	9.17E-10	9.17E-10	9.18E-10	3.28E-07	2.89E-07	4.40E-07
Arsenic	1.48E-03	1.69E-01	1.33E-06	1.09E-06	2.04E-06	8.91E-07	8.72E-07	9.48E-07	1.75E-08	1.75E-08	1.75E-08	2.24E-06	1.98E-06	3.01E-06
Barium	7.41E-03	4.77E+00	6.68E-06	5.46E-06	1.02E-05	4.46E-06	4.37E-06	4.75E-06	4.94E-07	4.94E-07	4.95E-07	1.16E-05	1.03E-05	1.55E-05
Chromium III	6.44E-04	1.45E-02	5.81E-07	4.74E-07	8.89E-07	3.88E-07	3.79E-07	4.13E-07	1.50E-09	1.50E-09	1.50E-09	9.70E-07	8.55E-07	1.30E-06
Lead	7.29E-04	6.59E-05	6.57E-07	5.37E-07	1.01E-06	4.39E-07	4.29E-07	4.67E-07	6.83E-12	6.83E-12	6.84E-12	1.10E-06	9.66E-07	1.47E-06
Mercury	4.18E-07	1.96E-03	3.77E-10	3.08E-10	5.77E-10	2.52E-10	2.46E-10	2.68E-10	2.03E-10	2.03E-10	2.03E-10	8.31E-10	7.56E-10	1.05E-09
Nickel	1.36E-03	1.20E-01	1.22E-06	9.97E-07	1.87E-06	8.16E-07	7.98E-07	8.68E-07	1.24E-08	1.24E-08	1.24E-08	2.05E-06	1.81E-06	2.75E-06
Selenium	5.43E-05	7.30E-03	4.89E-08	3.99E-08	7.49E-08	3.27E-08	3.20E-08	3.48E-08	7.57E-10	7.57E-10	7.57E-10	8.24E-08	7.27E-08	1.10E-07
Silver	1.04E-04	1.13E-02	9.38E-08	7.66E-08	1.44E-07	6.26E-08	6.12E-08	6.66E-08	1.17E-09	1.17E-09	1.18E-09	1.58E-07	1.39E-07	2.11E-07
Vanadium	2.48E-03	-	2.23E-06	1.82E-06	3.42E-06	1.49E-06	1.46E-06	1.59E-06	-	-	-	3.73E-06	3.28E-06	5.01E-06
Zinc	4.03E-03	8.87E+00	3.64E-06	2.97E-06	5.57E-06	2.43E-06	2.38E-06	2.58E-06	9.19E-07	9.19E-07	9.20E-07	6.99E-06	6.26E-06	9.07E-06
TCDD (I-TEQ)	3.97E-11	3.73E-05	3.58E-14	2.93E-14	5.49E-14	1.45E-10	1.42E-10	1.54E-10	3.87E-12	3.87E-12	3.87E-12	1.49E-10	1.46E-10	1.58E-10
Toluene	1.46E-04	3.87E-02	1.32E-07	1.08E-07	2.02E-07	2.42E-06	2.37E-06	2.57E-06	4.01E-09	4.01E-09	4.02E-09	2.55E-06	2.48E-06	2.78E-06
Malathion	3.78E-07	7.66E-06	3.41E-10	2.78E-10	5.22E-10	9.09E-10	8.89E-10	9.67E-10	7.94E-13	7.94E-13	7.95E-13	1.25E-09	1.17E-09	1.49E-09

**Table 2c Exposure of Contaminant of Concern – Frequent Swimming at the Nearest Beach with Fishermen Diet (Scenario 1)**

Contaminant of Concern	Conc. at the Nearest Beach (mg/L)	Conc. in Seafood (mg/kg)	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Adult	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Child	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Adult	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Child	Daily Exposure via Consumption of Seafood (mg/kg-d) - Lifetime	Daily Exposure via Consumption of Seafood (mg/kg-d) - Adult	Daily Exposure via Consumption of Seafood (mg/kg-d) - Child	Total Daily Exposure (mg/kg-d) – Lifetime	Total Daily Exposure (mg/kg-d) – Adult	Total Daily Exposure (mg/kg-d) – Child
<i>Potential CBPs</i>														
TRC	6.13E-04	-	5.53E-07	4.52E-07	8.47E-07	3.69E-07	3.61E-07	3.93E-07	-	-	-	9.23E-07	8.13E-07	1.24E-06
Bromodichloromethane	1.53E-05	3.90E-04	1.38E-08	1.13E-08	2.12E-08	8.16E-07	7.98E-07	8.68E-07	4.04E-11	4.04E-11	4.04E-11	8.30E-07	8.09E-07	8.89E-07
Chloroform	4.29E-05	9.14E-04	3.87E-08	3.16E-08	5.93E-08	1.25E-07	1.23E-07	1.33E-07	9.47E-11	9.47E-11	9.48E-11	1.64E-07	1.54E-07	1.93E-07
Dibromochloromethane	1.53E-05	4.91E-04	1.38E-08	1.13E-08	2.12E-08	6.92E-08	6.77E-08	7.36E-08	5.09E-11	5.08E-11	5.09E-11	8.31E-08	7.90E-08	9.48E-08
Chloroacetic acid	2.45E-05	1.96E-05	2.21E-08	1.81E-08	3.39E-08	6.71E-09	6.56E-09	7.13E-09	2.03E-12	2.03E-12	2.04E-12	2.88E-08	2.46E-08	4.10E-08
Dibromoacetic acid	2.45E-05	6.19E-05	2.21E-08	1.81E-08	3.39E-08	9.72E-09	9.51E-09	1.03E-08	6.42E-12	6.41E-12	6.42E-12	3.19E-08	2.76E-08	4.42E-08
Dichloroacetic acid	2.82E-04	9.79E-04	2.54E-07	2.07E-07	3.89E-07	1.67E-07	1.63E-07	1.78E-07	1.01E-10	1.01E-10	1.02E-10	4.21E-07	3.71E-07	5.66E-07
Trichloroacetic acid	1.35E-04	2.39E-03	1.22E-07	9.93E-08	1.86E-07	2.12E-07	2.07E-07	2.25E-07	2.47E-10	2.47E-10	2.48E-10	3.34E-07	3.07E-07	4.12E-07
Tetrachloroethylene	7.98E-06	2.03E-03	7.19E-09	5.87E-09	1.10E-08	2.56E-06	2.50E-06	2.72E-06	2.11E-10	2.11E-10	2.11E-10	2.57E-06	2.51E-06	2.73E-06
Trichloroethylene	1.23E-05	5.32E-04	1.11E-08	9.03E-09	1.69E-08	1.21E-06	1.18E-06	1.28E-06	5.52E-11	5.51E-11	5.52E-11	1.22E-06	1.19E-06	1.30E-06
pentachlorophenol	7.67E-06	5.06E-02	6.91E-09	5.64E-09	1.06E-08	8.77E-06	8.58E-06	9.33E-06	5.25E-09	5.25E-09	5.25E-09	8.78E-06	8.59E-06	9.34E-06
2,4,6-trichlorophenol	1.23E-05	2.12E-03	1.11E-08	9.03E-09	1.69E-08	7.83E-07	7.66E-07	8.33E-07	2.19E-10	2.19E-10	2.20E-10	7.95E-07	7.75E-07	8.50E-07
a-BHC	1.53E-06	7.92E-04	1.38E-09	1.13E-09	2.12E-09	5.11E-08	5.00E-08	5.44E-08	8.22E-11	8.21E-11	8.22E-11	5.26E-08	5.12E-08	5.66E-08
b-BHC	3.07E-06	1.58E-03	2.77E-09	2.26E-09	4.23E-09	9.59E-08	9.38E-08	1.02E-07	1.64E-10	1.64E-10	1.64E-10	9.88E-08	9.62E-08	1.06E-07
g-BHC	3.07E-06	1.58E-03	2.77E-09	2.26E-09	4.23E-09	8.96E-08	8.76E-08	9.53E-08	1.64E-10	1.64E-10	1.64E-10	9.25E-08	9.00E-08	9.97E-08
<i>Contaminants present in CEPT Effluent</i>														
Antimony	2.14E-04	8.85E-03	1.93E-07	1.57E-07	2.95E-07	1.29E-07	1.26E-07	1.37E-07	9.17E-10	9.17E-10	9.18E-10	3.22E-07	2.84E-07	4.33E-07
Arsenic	1.48E-03	1.69E-01	1.33E-06	1.09E-06	2.04E-06	8.91E-07	8.72E-07	9.48E-07	1.75E-08	1.75E-08	1.75E-08	2.24E-06	1.98E-06	3.01E-06

Contaminant of Concern	Conc. at the Nearest Beach (mg/L)	Conc. in Seafood (mg/kg)	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Adult	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Child	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Adult	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Child	Daily Exposure via Consumption of Seafood (mg/kg-d) - Lifetime	Daily Exposure via Consumption of Seafood (mg/kg-d) - Adult	Daily Exposure via Consumption of Seafood (mg/kg-d) - Child	Total Daily Exposure (mg/kg-d) – Lifetime	Total Daily Exposure (mg/kg-d) – Adult	Total Daily Exposure (mg/kg-d) – Child
Barium	7.30E-03	4.77E+00	6.58E-06	5.38E-06	1.01E-05	4.40E-06	4.30E-06	4.68E-06	4.94E-07	4.94E-07	4.95E-07	1.15E-05	1.02E-05	1.52E-05
Chromium III	5.38E-04	1.45E-02	4.85E-07	3.96E-07	7.42E-07	3.24E-07	3.17E-07	3.44E-07	1.50E-09	1.50E-09	1.50E-09	8.10E-07	7.14E-07	1.09E-06
Lead	7.26E-04	6.59E-05	6.55E-07	5.34E-07	1.00E-06	4.37E-07	4.28E-07	4.65E-07	6.83E-12	6.83E-12	6.84E-12	1.09E-06	9.62E-07	1.47E-06
Mercury	2.40E-07	1.96E-03	2.16E-10	1.77E-10	3.31E-10	1.45E-10	1.41E-10	1.54E-10	2.03E-10	2.03E-10	2.03E-10	5.64E-10	5.21E-10	6.88E-10
Nickel	1.19E-03	1.20E-01	1.07E-06	8.75E-07	1.64E-06	7.16E-07	7.00E-07	7.61E-07	1.24E-08	1.24E-08	1.24E-08	1.80E-06	1.59E-06	2.41E-06
Selenium	5.21E-05	7.30E-03	4.70E-08	3.84E-08	7.20E-08	3.14E-08	3.07E-08	3.34E-08	7.57E-10	7.57E-10	7.57E-10	7.92E-08	6.98E-08	1.06E-07
Silver	8.11E-05	1.13E-02	7.32E-08	5.97E-08	1.12E-07	4.89E-08	4.78E-08	5.20E-08	1.17E-09	1.17E-09	1.18E-09	1.23E-07	1.09E-07	1.65E-07
Vanadium	2.32E-03	-	2.09E-06	1.70E-06	3.20E-06	1.39E-06	1.36E-06	1.48E-06	-	-	-	3.48E-06	3.07E-06	4.68E-06
Zinc	3.79E-03	8.87E+00	3.42E-06	2.79E-06	5.23E-06	2.28E-06	2.23E-06	2.43E-06	9.19E-07	9.19E-07	9.20E-07	6.62E-06	5.94E-06	8.58E-06
TCDD (I-TEQ)	3.94E-11	3.73E-05	3.55E-14	2.90E-14	5.43E-14	1.43E-10	1.40E-10	1.53E-10	3.87E-12	3.87E-12	3.87E-12	1.47E-10	1.44E-10	1.57E-10
Toluene	7.36E-05	3.87E-02	6.64E-08	5.42E-08	1.02E-07	1.22E-06	1.19E-06	1.29E-06	4.01E-09	4.01E-09	4.02E-09	1.29E-06	1.25E-06	1.40E-06
Malathion	1.90E-07	7.66E-06	1.71E-10	1.40E-10	2.62E-10	4.57E-10	4.47E-10	4.86E-10	7.94E-13	7.94E-13	7.95E-13	6.30E-10	5.88E-10	7.50E-10

**Table 2d Exposure of Contaminant of Concern – Dropping from Ship at edge of ZID with General Public Diet (Scenario 1)**

Contaminant of Concern	Conc. at edge of ZID (mg/L)	Conc. in Seafood (mg/kg)	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Adult	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Child	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Adult	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Child	Daily Exposure via Consumption of Seafood (mg/kg-d) - Lifetime	Daily Exposure via Consumption of Seafood (mg/kg-d) - Adult	Daily Exposure via Consumption of Seafood (mg/kg-d) - Child	Total Daily Exposure (mg/kg-d) – Lifetime	Total Daily Exposure (mg/kg-d) – Adult	Total Daily Exposure (mg/kg-d) – Child
<i>Potential CBPs</i>														
TRC	1.89E-03	-	2.64E-08	2.15E-08	4.04E-08	1.76E-08	1.72E-08	1.87E-08	-	-	-	4.40E-08	3.88E-08	5.91E-08
Bromodichloromethane	4.72E-05	3.90E-04	6.60E-10	5.38E-10	1.01E-09	3.38E-08	3.31E-08	3.60E-08	1.99E-11	1.99E-11	1.99E-11	3.45E-08	3.37E-08	3.70E-08
Chloroform	1.32E-04	9.14E-04	1.85E-09	1.51E-09	2.83E-09	4.81E-09	4.70E-09	5.11E-09	4.67E-11	4.67E-11	4.68E-11	6.70E-09	6.26E-09	7.99E-09
Dibromochloromethane	4.72E-05	4.91E-04	6.60E-10	5.38E-10	1.01E-09	1.41E-09	1.38E-09	1.50E-09	2.51E-11	2.51E-11	2.51E-11	2.10E-09	1.95E-09	2.54E-09
Chloroacetic acid	7.55E-05	1.96E-05	1.06E-09	8.62E-10	1.62E-09	2.89E-10	2.82E-10	3.07E-10	1.00E-12	1.00E-12	1.00E-12	1.35E-09	1.14E-09	1.92E-09
Dibromoacetic acid	7.55E-05	6.19E-05	1.06E-09	8.62E-10	1.62E-09	1.95E-10	1.91E-10	2.07E-10	3.17E-12	3.16E-12	3.17E-12	1.25E-09	1.06E-09	1.83E-09
Dichloroacetic acid	8.66E-04	9.79E-04	1.21E-08	9.89E-09	1.85E-08	6.86E-09	6.71E-09	7.29E-09	5.01E-11	5.00E-11	5.01E-11	1.90E-08	1.66E-08	2.59E-08
Trichloroacetic acid	4.15E-04	2.39E-03	5.80E-09	4.74E-09	8.88E-09	8.11E-09	7.93E-09	8.63E-09	1.22E-10	1.22E-10	1.22E-10	1.40E-08	1.28E-08	1.76E-08
Tetrachloroethylene	2.45E-05	2.03E-03	3.43E-10	2.80E-10	5.25E-10	5.53E-08	5.40E-08	5.88E-08	1.04E-10	1.04E-10	1.04E-10	5.57E-08	5.44E-08	5.94E-08
Trichloroethylene	3.77E-05	5.32E-04	5.28E-10	4.31E-10	8.08E-10	4.89E-08	4.78E-08	5.20E-08	2.72E-11	2.72E-11	2.72E-11	4.94E-08	4.82E-08	5.28E-08
pentachlorophenol	2.36E-05	5.06E-02	3.30E-10	2.69E-10	5.05E-10	3.02E-07	2.95E-07	3.21E-07	2.59E-09	2.59E-09	2.59E-09	3.05E-07	2.98E-07	3.24E-07
2,4,6-trichlorophenol	3.77E-05	2.12E-03	5.28E-10	4.31E-10	8.08E-10	2.69E-08	2.64E-08	2.87E-08	1.08E-10	1.08E-10	1.08E-10	2.76E-08	2.69E-08	2.96E-08
a-BHC	4.72E-06	7.92E-04	6.60E-11	5.38E-11	1.01E-10	1.76E-09	1.72E-09	1.87E-09	4.05E-11	4.05E-11	4.06E-11	1.87E-09	1.81E-09	2.01E-09
b-BHC	9.43E-06	1.58E-03	1.32E-10	1.08E-10	2.02E-10	3.30E-09	3.23E-09	3.51E-09	8.11E-11	8.10E-11	8.11E-11	3.51E-09	3.41E-09	3.79E-09
g-BHC	9.43E-06	1.58E-03	1.32E-10	1.08E-10	2.02E-10	3.08E-09	3.01E-09	3.28E-09	8.11E-11	8.10E-11	8.11E-11	3.29E-09	3.20E-09	3.56E-09
<i>Contaminants present in CEPT Effluent</i>														
Antimony	2.21E-04	8.85E-03	3.09E-09	2.53E-09	4.73E-09	2.07E-09	2.02E-09	2.20E-09	4.53E-10	4.52E-10	4.53E-10	5.61E-09	5.00E-09	7.38E-09
Arsenic	1.48E-03	1.69E-01	2.07E-08	1.69E-08	3.17E-08	1.38E-08	1.35E-08	1.47E-08	8.63E-09	8.63E-09	8.64E-09	4.32E-08	3.90E-08	5.50E-08
Barium	7.54E-03	4.77E+00	1.05E-07	8.60E-08	1.61E-07	7.04E-08	6.88E-08	7.48E-08	2.44E-07	2.44E-07	2.44E-07	4.20E-07	3.99E-07	4.80E-07
Chromium III	7.62E-04	1.45E-02	1.06E-08	8.69E-09	1.63E-08	7.11E-09	6.95E-09	7.56E-09	7.40E-10	7.40E-10	7.40E-10	1.85E-08	1.64E-08	2.46E-08
Lead	7.32E-04	6.59E-05	1.02E-08	8.36E-09	1.57E-08	6.84E-09	6.69E-09	7.27E-09	3.37E-12	3.37E-12	3.37E-12	1.71E-08	1.50E-08	2.29E-08
Mercury	6.14E-07	1.96E-03	8.58E-12	7.00E-12	1.31E-11	5.73E-12	5.60E-12	6.09E-12	1.00E-10	1.00E-10	1.00E-10	1.14E-10	1.13E-10	1.19E-10
Nickel	1.54E-03	1.20E-01	2.15E-08	1.76E-08	3.29E-08	1.44E-08	1.41E-08	1.53E-08	6.14E-09	6.14E-09	6.14E-09	4.20E-08	3.77E-08	5.44E-08
Selenium	5.66E-05	7.30E-03	7.92E-10	6.46E-10	1.21E-09	5.29E-10	5.17E-10	5.62E-10	3.73E-10	3.73E-10	3.74E-10	1.69E-09	1.54E-09	2.15E-09
Silver	1.29E-04	1.13E-02	1.81E-09	1.47E-09	2.76E-09	1.21E-09	1.18E-09	1.28E-09	5.79E-10	5.79E-10	5.80E-10	3.59E-09	3.23E-09	4.63E-09
Vanadium	2.66E-03	-	3.72E-08	3.03E-08	5.69E-08	2.48E-08	2.43E-08	2.64E-08	-	-	-	6.20E-08	5.46E-08	8.33E-08
Zinc	4.31E-03	8.87E+00	6.02E-08	4.91E-08	9.22E-08	4.02E-08	3.93E-08	4.28E-08	4.54E-07	4.53E-07	4.54E-07	5.54E-07	5.42E-07	5.89E-07
TCDD (I-TEQ)	4.02E-11	3.73E-05	5.61E-16	4.58E-16	8.59E-16	1.64E-12	1.60E-12	1.74E-12	1.91E-12	1.91E-12	1.91E-12	3.54E-12	3.51E-12	3.65E-12

Contaminant of Concern	Conc. at edge of ZID (mg/L)	Conc. in Seafood (mg/kg)	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Adult	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Child	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Adult	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Child	Daily Exposure via Consumption of Seafood (mg/kg-d) - Lifetime	Daily Exposure via Consumption of Seafood (mg/kg-d) - Adult	Daily Exposure via Consumption of Seafood (mg/kg-d) - Child	Total Daily Exposure (mg/kg-d) – Lifetime	Total Daily Exposure (mg/kg-d) – Adult	Total Daily Exposure (mg/kg-d) – Child
Toluene	2.26E-04	3.87E-02	3.17E-09	2.58E-09	4.85E-09	5.18E-08	5.07E-08	5.51E-08	1.98E-09	1.98E-09	1.98E-09	5.70E-08	5.53E-08	6.20E-08
Malathion	5.85E-07	7.66E-06	8.18E-12	6.68E-12	1.25E-11	1.57E-11	1.54E-11	1.67E-11	3.92E-13	3.92E-13	3.92E-13	2.43E-11	2.25E-11	2.96E-11

**Table 2e Exposure of Contaminant of Concern – Frequent Swimming at edge of Mixing Zone with General Public Diet (Scenario 1)**

Contaminant of Concern	Conc. at edge of Mixing Zone (mg/L)	Conc. in Seafood (mg/kg)	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Adult	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Child	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Adult	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Child	Daily Exposure via Consumption of Seafood (mg/kg-d) - Lifetime	Daily Exposure via Consumption of Seafood (mg/kg-d) - Adult	Daily Exposure via Consumption of Seafood (mg/kg-d) - Child	Total Daily Exposure (mg/kg-d) – Lifetime	Total Daily Exposure (mg/kg-d) – Adult	Total Daily Exposure (mg/kg-d) – Child
<i>Potential CBPs</i>														
TRC	1.22E-03	-	1.10E-06	8.98E-07	1.68E-06	7.34E-07	7.18E-07	7.81E-07	-	-	-	1.83E-06	1.62E-06	2.46E-06
Bromodichloromethane	3.05E-05	3.90E-04	2.75E-08	2.24E-08	4.21E-08	1.62E-06	1.59E-06	1.72E-06	1.99E-11	1.99E-11	1.99E-11	1.65E-06	1.61E-06	1.77E-06
Chloroform	8.54E-05	9.14E-04	7.70E-08	6.28E-08	1.18E-07	2.49E-07	2.44E-07	2.65E-07	4.67E-11	4.67E-11	4.68E-11	3.26E-07	3.07E-07	3.83E-07
Dibromochloromethane	3.05E-05	4.91E-04	2.75E-08	2.24E-08	4.21E-08	1.38E-07	1.35E-07	1.46E-07	2.51E-11	2.51E-11	2.51E-11	1.65E-07	1.57E-07	1.88E-07
Chloroacetic acid	4.88E-05	1.96E-05	4.40E-08	3.59E-08	6.73E-08	1.33E-08	1.30E-08	1.42E-08	1.00E-12	1.00E-12	1.00E-12	5.73E-08	4.89E-08	8.15E-08
Dibromoacetic acid	4.88E-05	6.19E-05	4.40E-08	3.59E-08	6.73E-08	1.93E-08	1.89E-08	2.06E-08	3.17E-12	3.16E-12	3.17E-12	6.33E-08	5.48E-08	8.79E-08
Dichloroacetic acid	5.60E-04	9.79E-04	5.05E-07	4.12E-07	7.73E-07	3.32E-07	3.25E-07	3.53E-07	5.01E-11	5.00E-11	5.01E-11	8.37E-07	7.37E-07	1.13E-06
Trichloroacetic acid	2.68E-04	2.39E-03	2.42E-07	1.97E-07	3.70E-07	4.21E-07	4.12E-07	4.48E-07	1.22E-10	1.22E-10	1.22E-10	6.63E-07	6.09E-07	8.18E-07
Tetrachloroethylene	1.59E-05	2.03E-03	1.43E-08	1.17E-08	2.19E-08	5.09E-06	4.98E-06	5.41E-06	1.04E-10	1.04E-10	1.04E-10	5.10E-06	4.99E-06	5.44E-06
Trichloroethylene	2.44E-05	5.32E-04	2.20E-08	1.80E-08	3.37E-08	2.40E-06	2.34E-06	2.55E-06	2.72E-11	2.72E-11	2.72E-11	2.42E-06	2.36E-06	2.58E-06
pentachlorophenol	1.52E-05	5.06E-02	1.37E-08	1.12E-08	2.10E-08	1.74E-05	1.70E-05	1.85E-05	2.59E-09	2.59E-09	2.59E-09	1.74E-05	1.71E-05	1.86E-05
2,4,6-trichlorophenol	2.44E-05	2.12E-03	2.20E-08	1.80E-08	3.37E-08	1.56E-06	1.52E-06	1.66E-06	1.08E-10	1.08E-10	1.08E-10	1.58E-06	1.54E-06	1.69E-06
a-BHC	3.05E-06	7.92E-04	2.75E-09	2.24E-09	4.21E-09	1.02E-07	9.94E-08	1.08E-07	4.05E-11	4.05E-11	4.06E-11	1.04E-07	1.02E-07	1.12E-07
b-BHC	6.10E-06	1.58E-03	5.50E-09	4.49E-09	8.42E-09	1.91E-07	1.86E-07	2.03E-07	8.11E-11	8.10E-11	8.11E-11	1.96E-07	1.91E-07	2.11E-07
g-BHC	6.10E-06	1.58E-03	5.50E-09	4.49E-09	8.42E-09	1.78E-07	1.74E-07	1.89E-07	8.11E-11	8.10E-11	8.11E-11	1.84E-07	1.79E-07	1.98E-07
<i>Contaminants in CEPT Effluent</i>														
Antimony	2.17E-04	8.85E-03	1.96E-07	1.60E-07	3.00E-07	1.31E-07	1.28E-07	1.39E-07	4.53E-10	4.52E-10	4.53E-10	3.27E-07	2.88E-07	4.39E-07
Arsenic	1.48E-03	1.69E-01	1.33E-06	1.09E-06	2.04E-06	8.91E-07	8.72E-07	9.48E-07	8.63E-09	8.63E-09	8.64E-09	2.23E-06	1.97E-06	3.00E-06
Barium	7.41E-03	4.77E+00	6.68E-06	5.46E-06	1.02E-05	4.46E-06	4.37E-06	4.75E-06	2.44E-07	2.44E-07	2.44E-07	1.14E-05	1.01E-05	1.52E-05
Chromium III	6.44E-04	1.45E-02	5.81E-07	4.74E-07	8.89E-07	3.88E-07	3.79E-07	4.13E-07	7.40E-10	7.40E-10	7.40E-10	9.70E-07	8.54E-07	1.30E-06
Lead	7.29E-04	6.59E-05	6.57E-07	5.37E-07	1.01E-06	4.39E-07	4.29E-07	4.67E-07	3.37E-12	3.37E-12	3.37E-12	1.10E-06	9.66E-07	1.47E-06
Mercury	4.18E-07	1.96E-03	3.77E-10	3.08E-10	5.77E-10	2.52E-10	2.46E-10	2.68E-10	1.00E-10	1.00E-10	1.00E-10	7.28E-10	6.54E-10	9.44E-10
Nickel	1.36E-03	1.20E-01	1.22E-06	9.97E-07	1.87E-06	8.16E-07	7.98E-07	8.68E-07	6.14E-09	6.14E-09	6.14E-09	2.04E-06	1.80E-06	2.74E-06
Selenium	5.43E-05	7.30E-03	4.89E-08	3.99E-08	7.49E-08	3.27E-08	3.20E-08	3.48E-08	3.73E-10	3.73E-10	3.74E-10	8.20E-08	7.23E-08	1.10E-07
Silver	1.04E-04	1.13E-02	9.38E-08	7.66E-08	1.44E-07	6.26E-08	6.12E-08	6.66E-08	5.79E-10	5.79E-10	5.80E-10	1.57E-07	1.38E-07	2.11E-07
Vanadium	2.48E-03	-	2.23E-06	1.82E-06	3.42E-06	1.49E-06	1.46E-06	1.59E-06	-	-	-	3.73E-06	3.28E-06	5.01E-06
Zinc	4.03E-03	8.87E+00	3.64E-06	2.97E-06	5.57E-06	2.43E-06	2.38E-06	2.58E-06	4.54E-07	4.53E-07	4.54E-07	6.52E-06	5.80E-06	8.61E-06
TCDD (I-TEQ)	3.97E-11	3.73E-05	3.58E-14	2.93E-14	5.49E-14	1.45E-10	1.42E-10	1.54E-10	1.91E-12	1.91E-12	1.91E-12	1.47E-10	1.44E-10	1.56E-10
Toluene	1.46E-04	3.87E-02	1.32E-07	1.08E-07	2.02E-07	2.42E-06	2.37E-06	2.57E-06	1.98E-09	1.98E-09	1.98E-09	2.55E-06	2.48E-06	2.78E-06
Malathion	3.78E-07	7.66E-06	3.41E-10	2.78E-10	5.22E-10	9.09E-10	8.89E-10	9.67E-10	3.92E-13	3.92E-13	3.92E-13	1.25E-09	1.17E-09	1.49E-09

**Table 2f Exposure of Contaminant of Concern – Frequent Swimming at the Nearest Beach with General Public Diet (Scenario 1)**

Contaminant of Concern	Conc. at the Nearest Beach (mg/L)	Conc. in Seafood (mg/kg)	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Adult	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Child	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Adult	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Child	Daily Exposure via Consumption of Seafood (mg/kg-d) - Lifetime	Daily Exposure via Consumption of Seafood (mg/kg-d) - Adult	Daily Exposure via Consumption of Seafood (mg/kg-d) - Child	Total Daily Exposure (mg/kg-d) – Lifetime	Total Daily Exposure (mg/kg-d) – Adult	Total Daily Exposure (mg/kg-d) – Child
<i>Potential CBPs</i>														
TRC	6.13E-04	-	5.53E-07	4.52E-07	8.47E-07	3.69E-07	3.61E-07	3.93E-07	-	-	-	9.23E-07	8.13E-07	1.24E-06
Bromodichloromethane	1.53E-05	3.90E-04	1.38E-08	1.13E-08	2.12E-08	8.16E-07	7.98E-07	8.68E-07	1.99E-11	1.99E-11	1.99E-11	8.30E-07	8.09E-07	8.89E-07
Chloroform	4.29E-05	9.14E-04	3.87E-08	3.16E-08	5.93E-08	1.25E-07	1.23E-07	1.33E-07	4.67E-11	4.67E-11	4.68E-11	1.64E-07	1.54E-07	1.93E-07
Dibromochloromethane	1.53E-05	4.91E-04	1.38E-08	1.13E-08	2.12E-08	6.92E-08	6.77E-08	7.36E-08	2.51E-11	2.51E-11	2.51E-11	8.31E-08	7.90E-08	9.48E-08
Chloroacetic acid	2.45E-05	1.96E-05	2.21E-08	1.81E-08	3.39E-08	6.71E-09	6.56E-09	7.13E-09	1.00E-12	1.00E-12	1.00E-12	2.88E-08	2.46E-08	4.10E-08
Dibromoacetic acid	2.45E-05	6.19E-05	2.21E-08	1.81E-08	3.39E-08	9.72E-09	9.51E-09	1.03E-08	3.17E-12	3.16E-12	3.17E-12	3.19E-08	2.76E-08	4.42E-08
Dichloroacetic acid	2.82E-04	9.79E-04	2.54E-07	2.07E-07	3.89E-07	1.67E-07	1.63E-07	1.78E-07	5.01E-11	5.00E-11	5.01E-11	4.21E-07	3.71E-07	5.66E-07
Trichloroacetic acid	1.35E-04	2.39E-03	1.22E-07	9.93E-08	1.86E-07	2.12E-07	2.07E-07	2.25E-07	1.22E-10	1.22E-10	1.22E-10	3.34E-07	3.07E-07	4.12E-07
Tetrachloroethylene	7.98E-06	2.03E-03	7.19E-09	5.87E-09	1.10E-08	2.56E-06	2.50E-06	2.72E-06	1.04E-10	1.04E-10	1.04E-10	2.57E-06	2.51E-06	2.73E-06
Trichloroethylene	1.23E-05	5.32E-04	1.11E-08	9.03E-09	1.69E-08	1.21E-06	1.18E-06	1.28E-06	2.72E-11	2.72E-11	2.72E-11	1.22E-06	1.19E-06	1.30E-06
pentachlorophenol	7.67E-06	5.06E-02	6.91E-09	5.64E-09	1.06E-08	8.77E-06	8.58E-06	9.33E-06	2.59E-09	2.59E-09	2.59E-09	8.78E-06	8.59E-06	9.34E-06
2,4,6-trichlorophenol	1.23E-05	2.12E-03	1.11E-08	9.03E-09	1.69E-08	7.83E-07	7.66E-07	8.33E-07	1.08E-10	1.08E-10	1.08E-10	7.95E-07	7.75E-07	8.50E-07
a-BHC	1.53E-06	7.92E-04	1.38E-09	1.13E-09	2.12E-09	5.11E-08	5.00E-08	5.44E-08	4.05E-11	4.05E-11	4.06E-11	5.26E-08	5.12E-08	5.65E-08
b-BHC	3.07E-06	1.58E-03	2.77E-09	2.26E-09	4.23E-09	9.59E-08	9.38E-08	1.02E-07	8.11E-11	8.10E-11	8.11E-11	9.87E-08	9.61E-08	1.06E-07
g-BHC	3.07E-06	1.58E-03	2.77E-09	2.26E-09	4.23E-09	8.96E-08	8.76E-08	9.53E-08	8.11E-11	8.10E-11	8.11E-11	9.24E-08	8.99E-08	9.96E-08
<i>Contaminants in CEPT Effluent</i>														
Antimony	2.14E-04	8.85E-03	1.93E-07	1.57E-07	2.95E-07	1.29E-07	1.26E-07	1.37E-07	4.53E-10	4.52E-10	4.53E-10	3.22E-07	2.84E-07	4.32E-07
Arsenic	1.48E-03	1.69E-01	1.33E-06	1.09E-06	2.04E-06	8.91E-07	8.72E-07	9.48E-07	8.63E-09	8.63E-09	8.64E-09	2.23E-06	1.97E-06	3.00E-06
Barium	7.30E-03	4.77E+00	6.58E-06	5.38E-06	1.01E-05	4.40E-06	4.30E-06	4.68E-06	2.44E-07	2.44E-07	2.44E-07	1.12E-05	9.92E-06	1.50E-05
Chromium III	5.38E-04	1.45E-02	4.85E-07	3.96E-07	7.42E-07	3.24E-07	3.17E-07	3.44E-07	7.40E-10	7.40E-10	7.40E-10	8.09E-07	7.13E-07	1.09E-06
Lead	7.26E-04	6.59E-05	6.55E-07	5.34E-07	1.00E-06	4.37E-07	4.28E-07	4.65E-07	3.37E-12	3.37E-12	3.37E-12	1.09E-06	9.62E-07	1.47E-06
Mercury	2.40E-07	1.96E-03	2.16E-10	1.77E-10	3.31E-10	1.45E-10	1.41E-10	1.54E-10	1.00E-10	1.00E-10	1.00E-10	4.61E-10	4.18E-10	5.85E-10
Nickel	1.19E-03	1.20E-01	1.07E-06	8.75E-07	1.64E-06	7.16E-07	7.00E-07	7.61E-07	6.14E-09	6.14E-09	6.14E-09	1.79E-06	1.58E-06	2.41E-06
Selenium	5.21E-05	7.30E-03	4.70E-08	3.84E-08	7.20E-08	3.14E-08	3.07E-08	3.34E-08	3.73E-10	3.73E-10	3.74E-10	7.88E-08	6.95E-08	1.06E-07
Silver	8.11E-05	1.13E-02	7.32E-08	5.97E-08	1.12E-07	4.89E-08	4.78E-08	5.20E-08	5.79E-10	5.79E-10	5.80E-10	1.23E-07	1.08E-07	1.65E-07
Vanadium	2.32E-03	-	2.09E-06	1.70E-06	3.20E-06	1.39E-06	1.36E-06	1.48E-06	-	-	-	3.48E-06	3.07E-06	4.68E-06
Zinc	3.79E-03	8.87E+00	3.42E-06	2.79E-06	5.23E-06	2.28E-06	2.23E-06	2.43E-06	4.54E-07	4.53E-07	4.54E-07	6.15E-06	5.47E-06	8.11E-06
TCDD (I-TEQ)	3.94E-11	3.73E-05	3.55E-14	2.90E-14	5.43E-14	1.43E-10	1.40E-10	1.53E-10	1.91E-12	1.91E-12	1.91E-12	1.45E-10	1.42E-10	1.55E-10
Toluene	7.36E-05	3.87E-02	6.64E-08	5.42E-08	1.02E-07	1.22E-06	1.19E-06	1.29E-06	1.98E-09	1.98E-09	1.98E-09	1.29E-06	1.25E-06	1.40E-06
Malathion	1.90E-07	7.66E-06	1.71E-10	1.40E-10	2.62E-10	4.57E-10	4.47E-10	4.86E-10	3.92E-13	3.92E-13	3.92E-13	6.29E-10	5.88E-10	7.49E-10

**Table 2g Exposure of Contaminant of Concern – Dropping from Ship at edge of ZID with Fishermen Diet (Scenario 2)**

Contaminant of Concern	Conc. at edge of ZID (mg/L)	Conc. in Seafood (mg/kg)	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Adult	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Child	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Adult	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Child	Daily Exposure via Consumption of Seafood (mg/kg-d) - Lifetime	Daily Exposure via Consumption of Seafood (mg/kg-d) - Adult	Daily Exposure via Consumption of Seafood (mg/kg-d) - Child	Total Daily Exposure (mg/kg-d) – Lifetime	Total Daily Exposure (mg/kg-d) – Adult	Total Daily Exposure (mg/kg-d) – Child
<i>Potential CBPs</i>														
TRC	2.04E-03	-	2.85E-08	2.33E-08	4.37E-08	1.91E-08	1.86E-08	2.03E-08	-	-	-	4.76E-08	4.19E-08	6.40E-08
Bromodichloromethane	5.10E-05	4.21E-04	7.13E-10	5.82E-10	1.09E-09	3.66E-08	3.58E-08	3.89E-08	4.64E-11	4.64E-11	4.64E-11	3.74E-08	3.64E-08	4.01E-08
Chloroform	1.43E-04	9.89E-04	2.00E-09	1.63E-09	3.06E-09	5.20E-09	5.09E-09	5.53E-09	1.09E-10	1.09E-10	1.09E-10	7.31E-09	6.83E-09	8.70E-09
Dibromochloromethane	5.10E-05	5.31E-04	7.13E-10	5.82E-10	1.09E-09	1.53E-09	1.49E-09	1.63E-09	5.84E-11	5.84E-11	5.85E-11	2.30E-09	2.14E-09	2.78E-09
Chloroacetic acid	8.16E-05	2.12E-05	1.14E-09	9.32E-10	1.75E-09	3.12E-10	3.05E-10	3.32E-10	2.34E-12	2.34E-12	2.34E-12	1.46E-09	1.24E-09	2.08E-09
Dibromoacetic acid	8.16E-05	6.69E-05	1.14E-09	9.32E-10	1.75E-09	2.11E-10	2.06E-10	2.24E-10	7.37E-12	7.37E-12	7.38E-12	1.36E-09	1.15E-09	1.98E-09
Dichloroacetic acid	9.37E-04	1.06E-03	1.31E-08	1.07E-08	2.00E-08	7.42E-09	7.25E-09	7.89E-09	1.17E-10	1.17E-10	1.17E-10	2.06E-08	1.81E-08	2.81E-08
Trichloroacetic acid	4.49E-04	2.58E-03	6.28E-09	5.13E-09	9.61E-09	8.77E-09	8.58E-09	9.33E-09	2.84E-10	2.84E-10	2.85E-10	1.53E-08	1.40E-08	1.92E-08

Contaminant of Concern	Conc. at edge of ZID (mg/L)	Conc. in Seafood (mg/kg)	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Adult	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Child	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Adult	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Child	Daily Exposure via Consumption of Seafood (mg/kg-d) - Lifetime	Daily Exposure via Consumption of Seafood (mg/kg-d) - Adult	Daily Exposure via Consumption of Seafood (mg/kg-d) - Child	Total Daily Exposure (mg/kg-d) – Lifetime	Total Daily Exposure (mg/kg-d) – Adult	Total Daily Exposure (mg/kg-d) – Child
Tetrachloroethylene	2.65E-05	2.20E-03	3.71E-10	3.03E-10	5.68E-10	5.98E-08	5.84E-08	6.36E-08	2.42E-10	2.42E-10	2.42E-10	6.04E-08	5.90E-08	6.44E-08
Trichloroethylene	4.08E-05	5.76E-04	5.71E-10	4.66E-10	8.74E-10	5.29E-08	5.17E-08	5.62E-08	6.34E-11	6.34E-11	6.34E-11	5.35E-08	5.22E-08	5.71E-08
pentachlorophenol	2.55E-05	5.48E-02	3.57E-10	2.91E-10	5.46E-10	3.26E-07	3.19E-07	3.47E-07	6.03E-09	6.03E-09	6.04E-09	3.33E-07	3.25E-07	3.54E-07
2,4,6-trichlorophenol	4.08E-05	2.29E-03	5.71E-10	4.66E-10	8.74E-10	2.91E-08	2.85E-08	3.10E-08	2.52E-10	2.52E-10	2.52E-10	3.00E-08	2.92E-08	3.21E-08
a-BHC	5.10E-06	8.57E-04	7.13E-11	5.82E-11	1.09E-10	1.90E-09	1.86E-09	2.02E-09	9.44E-11	9.44E-11	9.45E-11	2.07E-09	2.01E-09	2.23E-09
b-BHC	1.02E-05	1.71E-03	1.43E-10	1.16E-10	2.18E-10	3.57E-09	3.49E-09	3.79E-09	1.89E-10	1.89E-10	1.89E-10	3.90E-09	3.79E-09	4.20E-09
g-BHC	1.02E-05	1.71E-03	1.43E-10	1.16E-10	2.18E-10	3.33E-09	3.26E-09	3.54E-09	1.89E-10	1.89E-10	1.89E-10	3.66E-09	3.56E-09	3.95E-09
<i>Contaminants present in CEPT Effluent</i>														
Antimony	2.22E-04	8.88E-03	3.11E-09	2.54E-09	4.75E-09	2.07E-09	2.03E-09	2.21E-09	9.79E-10	9.78E-10	9.79E-10	6.16E-09	5.54E-09	7.94E-09
Arsenic	1.48E-03	1.69E-01	2.07E-08	1.69E-08	3.17E-08	1.38E-08	1.35E-08	1.47E-08	1.86E-08	1.86E-08	1.86E-08	5.31E-08	4.90E-08	6.50E-08
Barium	7.56E-03	4.79E+00	1.06E-07	8.63E-08	1.62E-07	7.06E-08	6.91E-08	7.51E-08	5.27E-07	5.27E-07	5.28E-07	7.04E-07	6.83E-07	7.65E-07
Chromium III	7.89E-04	1.50E-02	1.10E-08	9.00E-09	1.69E-08	7.36E-09	7.20E-09	7.83E-09	1.65E-09	1.65E-09	1.65E-09	2.00E-08	1.79E-08	2.64E-08
Lead	7.33E-04	6.60E-05	1.02E-08	8.37E-09	1.57E-08	6.84E-09	6.69E-09	7.28E-09	7.27E-12	7.26E-12	7.27E-12	1.71E-08	1.51E-08	2.30E-08
Mercury	6.59E-07	2.10E-03	9.21E-12	7.52E-12	1.41E-11	6.15E-12	6.02E-12	6.54E-12	2.31E-10	2.31E-10	2.32E-10	2.47E-10	2.45E-10	2.52E-10
Nickel	1.58E-03	1.23E-01	2.21E-08	1.80E-08	3.38E-08	1.48E-08	1.44E-08	1.57E-08	1.36E-08	1.36E-08	1.36E-08	5.04E-08	4.61E-08	6.31E-08
Selenium	5.71E-05	7.37E-03	7.99E-10	6.52E-10	1.22E-09	5.34E-10	5.22E-10	5.68E-10	8.12E-10	8.12E-10	8.12E-10	2.14E-09	1.99E-09	2.60E-09
Silver	1.35E-04	1.18E-02	1.89E-09	1.54E-09	2.89E-09	1.26E-09	1.23E-09	1.34E-09	1.30E-09	1.30E-09	1.30E-09	4.45E-09	4.08E-09	5.53E-09
Vanadium	2.70E-03	-	3.78E-08	3.08E-08	5.78E-08	2.52E-08	2.47E-08	2.68E-08	-	-	-	6.30E-08	5.55E-08	8.46E-08
Zinc	4.37E-03	9.00E+00	6.11E-08	4.99E-08	9.35E-08	4.08E-08	3.99E-08	4.34E-08	9.91E-07	9.91E-07	9.92E-07	1.09E-06	1.08E-06	1.13E-06
TCDD (I-TEQ)	4.02E-11	3.74E-05	5.63E-16	4.59E-16	8.61E-16	1.64E-12	1.60E-12	1.74E-12	4.12E-12	4.12E-12	4.12E-12	5.76E-12	5.72E-12	5.87E-12
Toluene	2.45E-04	4.19E-02	3.42E-09	2.80E-09	5.24E-09	5.61E-08	5.48E-08	5.96E-08	4.61E-09	4.61E-09	4.62E-09	6.41E-08	6.23E-08	6.95E-08
Malathion	6.33E-07	8.29E-06	8.85E-12	7.22E-12	1.35E-11	1.70E-11	1.66E-11	1.81E-11	9.13E-13	9.13E-13	9.13E-13	2.68E-11	2.48E-11	3.26E-11

**Table 2h Exposure of Contaminant of Concern – Frequent Swimming at edge of Mixing Zone with Fishermen Diet (Scenario 2)**

Contaminant of Concern	Conc. at edge of Mixing Zone (mg/L)	Conc. in Seafood (mg/kg)	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Adult	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Child	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Adult	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Child	Daily Exposure via Consumption of Seafood (mg/kg-d) - Lifetime	Daily Exposure via Consumption of Seafood (mg/kg-d) - Adult	Daily Exposure via Consumption of Seafood (mg/kg-d) - Child	Total Daily Exposure (mg/kg-d) – Lifetime	Total Daily Exposure (mg/kg-d) – Adult	Total Daily Exposure (mg/kg-d) – Child
<i>Potential CBPs</i>														
TRC	1.30E-03	-	1.17E-06	9.56E-07	1.79E-06	7.82E-07	7.65E-07	8.32E-07	-	-	-	1.95E-06	1.72E-06	2.62E-06
Bromodichloromethane	3.25E-05	4.21E-04	2.93E-08	2.39E-08	4.48E-08	1.73E-06	1.69E-06	1.84E-06	4.64E-11	4.64E-11	4.64E-11	1.76E-06	1.71E-06	1.88E-06
Chloroform	9.09E-05	9.89E-04	8.20E-08	6.69E-08	1.25E-07	2.66E-07	2.60E-07	2.82E-07	1.09E-10	1.09E-10	1.09E-10	3.48E-07	3.27E-07	4.08E-07
Dibromochloromethane	3.25E-05	5.31E-04	2.93E-08	2.39E-08	4.48E-08	1.46E-07	1.43E-07	1.56E-07	5.84E-11	5.84E-11	5.85E-11	1.76E-07	1.67E-07	2.01E-07
Chloroacetic acid	5.19E-05	2.12E-05	4.68E-08	3.82E-08	7.17E-08	1.42E-08	1.39E-08	1.51E-08	2.34E-12	2.34E-12	2.34E-12	6.10E-08	5.21E-08	8.68E-08
Dibromoacetic acid	5.19E-05	6.69E-05	4.68E-08	3.82E-08	7.17E-08	2.06E-08	2.01E-08	2.19E-08	7.37E-12	7.37E-12	7.38E-12	6.74E-08	5.84E-08	9.36E-08
Dichloroacetic acid	5.96E-04	1.06E-03	5.38E-07	4.39E-07	8.23E-07	3.54E-07	3.46E-07	3.76E-07	1.17E-10	1.17E-10	1.17E-10	8.91E-07	7.85E-07	1.20E-06
Trichloroacetic acid	2.86E-04	2.58E-03	2.58E-07	2.10E-07	3.94E-07	4.48E-07	4.38E-07	4.77E-07	2.84E-10	2.84E-10	2.85E-10	7.06E-07	6.49E-07	8.71E-07
Tetrachloroethylene	1.69E-05	2.20E-03	1.52E-08	1.24E-08	2.33E-08	5.42E-06	5.30E-06	5.77E-06	2.42E-10	2.42E-10	2.42E-10	5.44E-06	5.31E-06	5.79E-06
Trichloroethylene	2.60E-05	5.76E-04	2.34E-08	1.91E-08	3.58E-08	2.55E-06	2.50E-06	2.71E-06	6.34E-11	6.34E-11	6.34E-11	2.58E-06	2.52E-06	2.75E-06
pentachlorophenol	1.62E-05	5.48E-02	1.46E-08	1.19E-08	2.24E-08	1.86E-05	1.82E-05	1.97E-05	6.03E-09	6.03E-09	6.04E-09	1.86E-05	1.82E-05	1.98E-05
2,4,6-trichlorophenol	2.60E-05	2.29E-03	2.34E-08	1.91E-08	3.58E-08	1.66E-06	1.62E-06	1.76E-06	2.52E-10	2.52E-10	2.52E-10	1.68E-06	1.64E-06	1.80E-06
a-BHC	3.25E-06	8.57E-04	2.93E-09	2.39E-09	4.48E-09	1.08E-07	1.06E-07	1.15E-07	9.44E-11	9.44E-11	9.45E-11	1.11E-07	1.08E-07	1.20E-07
b-BHC	6.49E-06	1.71E-03	5.86E-09	4.78E-09	8.96E-09	2.03E-07	1.98E-07	2.16E-07	1.89E-10	1.89E-10	1.89E-10	2.09E-07	2.03E-07	2.25E-07
g-BHC	6.49E-06	1.71E-03	5.86E-09	4.78E-09	8.96E-09	1.90E-07	1.85E-07	2.02E-07	1.89E-10	1.89E-10	1.89E-10	1.96E-07	1.90E-07	2.11E-07
<i>Contaminants present in CEPT Effluent</i>														
Antimony	2.18E-04	8.88E-03	1.96E-07	1.60E-07	3.00E-07	1.31E-07	1.28E-07	1.39E-07	9.79E-10	9.78E-10	9.79E-10	3.28E-07	2.89E-07	4.41E-07
Arsenic	1.48E-03	1.69E-01	1.33E-06	1.09E-06	2.04E-06	8.91E-07	8.72E-07	9.48E-07	1.86E-08	1.86E-08	1.86E-08	2.24E-06	1.98E-06	3.01E-06



Contaminant of Concern	Conc. at edge of Mixing Zone (mg/L)	Conc. in Seafood (mg/kg)	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Adult	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Child	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Adult	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Child	Daily Exposure via Consumption of Seafood (mg/kg-d) - Lifetime	Daily Exposure via Consumption of Seafood (mg/kg-d) - Adult	Daily Exposure via Consumption of Seafood (mg/kg-d) - Child	Total Daily Exposure (mg/kg-d) – Lifetime	Total Daily Exposure (mg/kg-d) – Adult	Total Daily Exposure (mg/kg-d) – Child
Barium	7.43E-03	4.79E+00	6.70E-06	5.47E-06	1.03E-05	4.47E-06	4.37E-06	4.76E-06	5.27E-07	5.27E-07	5.28E-07	1.17E-05	1.04E-05	1.55E-05
Chromium III	6.58E-04	1.50E-02	5.93E-07	4.84E-07	9.08E-07	3.96E-07	3.88E-07	4.21E-07	1.65E-09	1.65E-09	1.65E-09	9.91E-07	8.74E-07	1.33E-06
Lead	7.29E-04	6.60E-05	6.58E-07	5.37E-07	1.01E-06	4.39E-07	4.29E-07	4.67E-07	7.27E-12	7.26E-12	7.27E-12	1.10E-06	9.66E-07	1.47E-06
Mercury	4.41E-07	2.10E-03	3.98E-10	3.25E-10	6.09E-10	2.66E-10	2.60E-10	2.82E-10	2.31E-10	2.31E-10	2.32E-10	8.95E-10	8.16E-10	1.12E-09
Nickel	1.38E-03	1.23E-01	1.24E-06	1.01E-06	1.90E-06	8.29E-07	8.11E-07	8.82E-07	1.36E-08	1.36E-08	1.36E-08	2.08E-06	1.84E-06	2.80E-06
Selenium	5.45E-05	7.37E-03	4.92E-08	4.01E-08	7.53E-08	3.28E-08	3.21E-08	3.49E-08	8.12E-10	8.12E-10	8.12E-10	8.28E-08	7.31E-08	1.11E-07
Silver	1.07E-04	1.18E-02	9.65E-08	7.88E-08	1.48E-07	6.44E-08	6.30E-08	6.85E-08	1.30E-09	1.30E-09	1.30E-09	1.62E-07	1.43E-07	2.17E-07
Vanadium	2.50E-03	-	2.25E-06	1.84E-06	3.45E-06	1.51E-06	1.47E-06	1.60E-06	-	-	-	3.76E-06	3.31E-06	5.05E-06
Zinc	4.07E-03	9.00E+00	3.67E-06	2.99E-06	5.61E-06	2.45E-06	2.39E-06	2.60E-06	9.91E-07	9.91E-07	9.92E-07	7.11E-06	6.38E-06	9.21E-06
TCDD (I-TEQ)	3.98E-11	3.74E-05	3.59E-14	2.93E-14	5.49E-14	1.45E-10	1.42E-10	1.54E-10	4.12E-12	4.12E-12	4.12E-12	1.49E-10	1.46E-10	1.58E-10
Toluene	1.56E-04	4.19E-02	1.41E-07	1.15E-07	2.15E-07	2.58E-06	2.52E-06	2.74E-06	4.61E-09	4.61E-09	4.62E-09	2.72E-06	2.64E-06	2.96E-06
Malathion	4.03E-07	8.29E-06	3.63E-10	2.96E-10	5.56E-10	9.68E-10	9.47E-10	1.03E-09	9.13E-13	9.13E-13	9.13E-13	1.33E-09	1.24E-09	1.59E-09

**Table 2i Exposure of Contaminant of Concern – Frequent Swimming at the Nearest Beach with Fishermen Diet (Scenario 2)**

Contaminant of Concern	Conc. at the Nearest Beach (mg/L)	Conc. in Seafood (mg/kg)	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Adult	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Child	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Adult	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Child	Daily Exposure via Consumption of Seafood (mg/kg-d) - Lifetime	Daily Exposure via Consumption of Seafood (mg/kg-d) - Adult	Daily Exposure via Consumption of Seafood (mg/kg-d) - Child	Total Daily Exposure (mg/kg-d) – Lifetime	Total Daily Exposure (mg/kg-d) – Adult	Total Daily Exposure (mg/kg-d) – Child
<i>Potential CBPs</i>														
TRC	6.85E-04	-	6.18E-07	5.04E-07	9.45E-07	4.12E-07	4.03E-07	3.54E-09	-	-	-	1.03E-06	9.07E-07	9.49E-07
Bromodichloromethane	1.71E-05	4.21E-04	1.54E-08	1.26E-08	2.36E-08	9.11E-07	8.91E-07	7.81E-09	4.64E-11	4.64E-11	4.64E-11	9.26E-07	9.03E-07	3.15E-08
Chloroform	4.79E-05	9.89E-04	4.32E-08	3.53E-08	6.62E-08	1.40E-07	1.37E-07	1.49E-07	1.09E-10	1.09E-10	1.09E-10	1.83E-07	1.72E-07	2.15E-07
Dibromochloromethane	1.71E-05	5.31E-04	1.54E-08	1.26E-08	2.36E-08	7.73E-08	7.56E-08	8.22E-08	5.84E-11	5.84E-11	5.85E-11	9.28E-08	8.82E-08	1.06E-07
Chloroacetic acid	2.74E-05	2.12E-05	2.47E-08	2.02E-08	3.78E-08	7.49E-09	7.32E-09	7.96E-09	2.34E-12	2.34E-12	2.34E-12	3.22E-08	2.75E-08	4.58E-08
Dibromoacetic acid	2.74E-05	6.69E-05	2.47E-08	2.02E-08	3.78E-08	1.09E-08	1.06E-08	1.15E-08	7.37E-12	7.37E-12	7.38E-12	3.56E-08	3.08E-08	4.94E-08
Dichloroacetic acid	3.14E-04	1.06E-03	2.83E-07	2.31E-07	4.34E-07	1.87E-07	1.82E-07	1.98E-07	1.17E-10	1.17E-10	1.17E-10	4.70E-07	4.14E-07	6.32E-07
Trichloroacetic acid	1.51E-04	2.58E-03	1.36E-07	1.11E-07	2.08E-07	2.36E-07	2.31E-07	2.51E-07	2.84E-10	2.84E-10	2.85E-10	3.73E-07	3.42E-07	4.60E-07
Tetrachloroethylene	8.90E-06	2.20E-03	8.03E-09	6.55E-09	1.23E-08	2.86E-06	2.80E-06	3.04E-06	2.42E-10	2.42E-10	2.42E-10	2.87E-06	2.80E-06	3.05E-06
Trichloroethylene	1.37E-05	5.76E-04	1.24E-08	1.01E-08	1.89E-08	1.35E-06	1.32E-06	1.43E-06	6.34E-11	6.34E-11	6.34E-11	1.36E-06	1.33E-06	1.45E-06
pentachlorophenol	8.56E-06	5.48E-02	7.72E-09	6.30E-09	1.18E-08	9.79E-06	9.58E-06	1.04E-05	6.03E-09	6.03E-09	6.04E-09	9.80E-06	9.59E-06	1.04E-05
2,4,6-trichlorophenol	1.37E-05	2.29E-03	1.24E-08	1.01E-08	1.89E-08	8.75E-07	8.55E-07	9.30E-07	2.52E-10	2.52E-10	2.52E-10	8.87E-07	8.66E-07	9.49E-07
a-BHC	1.71E-06	8.57E-04	1.54E-09	1.26E-09	2.36E-09	5.71E-08	5.58E-08	6.07E-08	9.44E-11	9.44E-11	9.45E-11	5.87E-08	5.72E-08	6.32E-08
b-BHC	3.42E-06	1.71E-03	3.09E-09	2.52E-09	4.73E-09	1.07E-07	1.05E-07	1.14E-07	1.89E-10	1.89E-10	1.89E-10	1.10E-07	1.07E-07	1.19E-07
g-BHC	3.42E-06	1.71E-03	3.09E-09	2.52E-09	4.73E-09	1.00E-07	9.78E-08	1.06E-07	1.89E-10	1.89E-10	1.89E-10	1.03E-07	1.01E-07	1.11E-07
<i>Contaminants present in CEPT Effluent</i>														
Antimony	2.14E-04	8.88E-03	1.93E-07	1.58E-07	2.95E-07	1.29E-07	1.26E-07	1.37E-07	9.79E-10	9.78E-10	9.79E-10	3.23E-07	2.85E-07	4.34E-07
Arsenic	1.48E-03	1.69E-01	1.33E-06	1.09E-06	2.04E-06	8.91E-07	8.72E-07	9.48E-07	1.86E-08	1.86E-08	1.86E-08	2.24E-06	1.98E-06	3.01E-06
Barium	7.32E-03	4.79E+00	6.60E-06	5.38E-06	1.01E-05	4.40E-06	4.31E-06	4.68E-06	5.27E-07	5.27E-07	5.28E-07	1.15E-05	1.02E-05	1.53E-05
Chromium III	5.50E-04	1.50E-02	4.96E-07	4.05E-07	7.60E-07	3.31E-07	3.24E-07	3.52E-07	1.65E-09	1.65E-09	1.65E-09	8.29E-07	7.31E-07	1.11E-06
Lead	7.26E-04	6.60E-05	6.55E-07	5.35E-07	1.00E-06	4.37E-07	4.28E-07	4.65E-07	7.27E-12	7.26E-12	7.27E-12	1.09E-06	9.62E-07	1.47E-06
Mercury	2.61E-07	2.10E-03	2.35E-10	1.92E-10	3.60E-10	1.57E-10	1.54E-10	1.67E-10	2.31E-10	2.31E-10	2.32E-10	6.24E-10	5.77E-10	7.59E-10
Nickel	1.21E-03	1.23E-01	1.09E-06	8.89E-07	1.67E-06	7.27E-07	7.11E-07	7.74E-07	1.36E-08	1.36E-08	1.36E-08	1.83E-06	1.61E-06	2.45E-06
Selenium	5.24E-05	7.37E-03	4.72E-08	3.86E-08	7.23E-08	3.15E-08	3.09E-08	3.36E-08	8.12E-10	8.12E-10	8.12E-10	7.96E-08	7.02E-08	1.07E-07
Silver	8.38E-05	1.18E-02	7.56E-08	6.17E-08	1.16E-07	5.05E-08	4.94E-08	5.37E-08	1.30E-09	1.30E-09	1.30E-09	1.27E-07	1.12E-07	1.71E-07
Vanadium	2.33E-03	-	2.11E-06	1.72E-06	3.22E-06	1.41E-06	1.37E-06	1.50E-06	-	-	-	3.51E-06	3.09E-06	4.72E-06
Zinc	3.82E-03	9.00E+00	3.44E-06	2.81E-06	5.27E-06	2.30E-06	2.25E-06	2.44E-06	9.91E-07	9.91E-07	9.92E-07	6.73E-06	6.05E-06	8.71E-06
TCDD (I-TEQ)	3.94E-11	3.74E-05	3.55E-14	2.90E-14	5.44E-14	1.44E-10	1.40E-10	1.53E-10	4.12E-12	4.12E-12	4.12E-12	1.48E-10	1.45E-10	1.57E-10

Contaminant of Concern	Conc. at the Nearest Beach (mg/L)	Conc. in Seafood (mg/kg)	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Adult	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Child	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Adult	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Child	Daily Exposure via Consumption of Seafood (mg/kg-d) - Lifetime	Daily Exposure via Consumption of Seafood (mg/kg-d) - Adult	Daily Exposure via Consumption of Seafood (mg/kg-d) - Child	Total Daily Exposure (mg/kg-d) – Lifetime	Total Daily Exposure (mg/kg-d) – Adult	Total Daily Exposure (mg/kg-d) – Child
Toluene	8.22E-05	4.19E-02	7.41E-08	6.05E-08	1.13E-07	1.36E-06	1.33E-06	1.44E-06	4.61E-09	4.61E-09	4.62E-09	1.44E-06	1.39E-06	1.56E-06
Malathion	2.12E-07	8.29E-06	1.91E-10	1.56E-10	2.93E-10	5.11E-10	4.99E-10	5.43E-10	9.13E-13	9.13E-13	9.13E-13	7.03E-10	6.57E-10	8.37E-10

Table 2j Exposure of Contaminant of Concern – Dropping from Ship at edge of ZID with General Public Diet (Scenario 2)

Contaminant of Concern	Conc. at edge of ZID (mg/L)	Conc. in Seafood (mg/kg)	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Adult	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Child	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Adult	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Child	Daily Exposure via Consumption of Seafood (mg/kg-d) - Lifetime	Daily Exposure via Consumption of Seafood (mg/kg-d) - Adult	Daily Exposure via Consumption of Seafood (mg/kg-d) - Child	Total Daily Exposure (mg/kg-d) – Lifetime	Total Daily Exposure (mg/kg-d) – Adult	Total Daily Exposure (mg/kg-d) – Child
<i>Potential CBPs</i>														
TRC	2.04E-03	-	2.85E-08	2.33E-08	4.37E-08	1.91E-08	1.86E-08	2.03E-08	-	-	-	4.76E-08	4.19E-08	6.40E-08
Bromodichloromethane	5.10E-05	4.21E-04	7.13E-10	5.82E-10	1.09E-09	3.66E-08	3.58E-08	3.89E-08	2.29E-11	2.29E-11	2.29E-11	3.73E-08	3.64E-08	4.01E-08
Chloroform	1.43E-04	9.89E-04	2.00E-09	1.63E-09	3.06E-09	5.20E-09	5.09E-09	5.53E-09	5.37E-11	5.37E-11	5.38E-11	7.25E-09	6.77E-09	8.64E-09
Dibromochloromethane	5.10E-05	5.31E-04	7.13E-10	5.82E-10	1.09E-09	1.53E-09	1.49E-09	1.63E-09	2.88E-11	2.88E-11	2.89E-11	2.27E-09	2.11E-09	2.75E-09
Chloroacetic acid	8.16E-05	2.12E-05	1.14E-09	9.32E-10	1.75E-09	3.12E-10	3.05E-10	3.32E-10	1.15E-12	1.15E-12	1.15E-12	1.46E-09	1.24E-09	2.08E-09
Dibromoacetic acid	8.16E-05	6.69E-05	1.14E-09	9.32E-10	1.75E-09	2.11E-10	2.06E-10	2.24E-10	3.64E-12	3.64E-12	3.64E-12	1.36E-09	1.14E-09	1.98E-09
Dichloroacetic acid	9.37E-04	1.06E-03	1.31E-08	1.07E-08	2.00E-08	7.42E-09	7.25E-09	7.89E-09	5.75E-11	5.75E-11	5.76E-11	2.06E-08	1.80E-08	2.80E-08
Trichloroacetic acid	4.49E-04	2.58E-03	6.28E-09	5.13E-09	9.61E-09	8.77E-09	8.58E-09	9.33E-09	1.40E-10	1.40E-10	1.40E-10	1.52E-08	1.38E-08	1.91E-08
Tetrachloroethylene	2.65E-05	2.20E-03	3.71E-10	3.03E-10	5.68E-10	5.98E-08	5.84E-08	6.36E-08	1.19E-10	1.19E-10	1.19E-10	6.03E-08	5.89E-08	6.43E-08
Trichloroethylene	4.08E-05	5.76E-04	5.71E-10	4.66E-10	8.74E-10	5.29E-08	5.17E-08	5.62E-08	3.13E-11	3.13E-11	3.13E-11	5.35E-08	5.22E-08	5.71E-08
pentachlorophenol	2.55E-05	5.48E-02	3.57E-10	2.91E-10	5.46E-10	3.26E-07	3.19E-07	3.47E-07	2.98E-09	2.98E-09	2.98E-09	3.30E-07	3.22E-07	3.51E-07
2,4,6-trichlorophenol	4.08E-05	2.29E-03	5.71E-10	4.66E-10	8.74E-10	2.91E-08	2.85E-08	3.10E-08	1.24E-10	1.24E-10	1.25E-10	2.98E-08	2.91E-08	3.20E-08
a-BHC	5.10E-06	8.57E-04	7.13E-11	5.82E-11	1.09E-10	1.90E-09	1.86E-09	2.02E-09	4.66E-11	4.66E-11	4.66E-11	2.02E-09	1.97E-09	2.18E-09
b-BHC	1.02E-05	1.71E-03	1.43E-10	1.16E-10	2.18E-10	3.57E-09	3.49E-09	3.79E-09	9.32E-11	9.31E-11	9.32E-11	3.80E-09	3.70E-09	4.11E-09
g-BHC	1.02E-05	1.71E-03	1.43E-10	1.16E-10	2.18E-10	3.33E-09	3.26E-09	3.54E-09	9.32E-11	9.31E-11	9.32E-11	3.57E-09	3.47E-09	3.86E-09
<i>Contaminants in CEPT Effluent</i>														
Antimony	2.22E-04	8.88E-03	3.11E-09	2.54E-09	4.75E-09	2.07E-09	2.03E-09	2.21E-09	4.83E-10	4.83E-10	4.83E-10	5.66E-09	5.05E-09	7.44E-09
Arsenic	1.48E-03	1.69E-01	2.07E-08	1.69E-08	3.17E-08	1.38E-08	1.35E-08	1.47E-08	9.17E-09	9.17E-09	9.18E-09	4.37E-08	3.96E-08	5.56E-08
Barium	7.56E-03	4.79E+00	1.06E-07	8.63E-08	1.62E-07	7.06E-08	6.91E-08	7.51E-08	2.60E-07	2.60E-07	2.60E-07	4.37E-07	4.16E-07	4.97E-07
Chromium III	7.89E-04	1.50E-02	1.10E-08	9.00E-09	1.69E-08	7.36E-09	7.20E-09	7.83E-09	8.14E-10	8.14E-10	8.15E-10	1.92E-08	1.70E-08	2.55E-08
Lead	7.33E-04	6.60E-05	1.02E-08	8.37E-09	1.57E-08	6.84E-09	6.69E-09	7.28E-09	3.58E-12	3.58E-12	3.59E-12	1.71E-08	1.51E-08	2.30E-08
Mercury	6.59E-07	2.10E-03	9.21E-12	7.52E-12	1.41E-11	6.15E-12	6.02E-12	6.54E-12	1.14E-10	1.14E-10	1.14E-10	1.30E-10	1.28E-10	1.35E-10
Nickel	1.58E-03	1.23E-01	2.21E-08	1.80E-08	3.38E-08	1.48E-08	1.44E-08	1.57E-08	6.70E-09	6.70E-09	6.70E-09	4.36E-08	3.92E-08	5.62E-08
Selenium	5.71E-05	7.37E-03	7.99E-10	6.52E-10	1.22E-09	5.34E-10	5.22E-10	5.68E-10	4.01E-10	4.00E-10	4.01E-10	1.73E-09	1.57E-09	2.19E-09
Silver	1.35E-04	1.18E-02	1.89E-09	1.54E-09	2.89E-09	1.26E-09	1.23E-09	1.34E-09	6.43E-10	6.43E-10	6.44E-10	3.79E-09	3.42E-09	4.87E-09
Vanadium	2.70E-03	-	3.78E-08	3.08E-08	5.78E-08	2.52E-08	2.47E-08	2.68E-08	-	-	-	6.30E-08	5.55E-08	8.46E-08
Zinc	4.37E-03	9.00E+00	6.11E-08	4.99E-08	9.35E-08	4.08E-08	3.99E-08	4.34E-08	4.89E-07	4.89E-07	4.89E-07	5.91E-07	5.79E-07	6.26E-07
TCDD (I-TEQ)	4.02E-11	3.74E-05	5.63E-16	4.59E-16	8.61E-16	1.64E-12	1.60E-12	1.74E-12	2.03E-12	2.03E-12	2.03E-12	3.67E-12	3.64E-12	3.78E-12
Toluene	2.45E-04	4.19E-02	3.42E-09	2.80E-09	5.24E-09	5.61E-08	5.48E-08	5.96E-08	2.28E-09	2.28E-09	2.28E-09	6.18E-08	5.99E-08	6.72E-08
Malathion	6.33E-07	8.29E-06	8.85E-12	7.22E-12	1.35E-11	1.70E-11	1.66E-11	1.81E-11	4.50E-13	4.50E-13	4.51E-13	2.63E-11	2.43E-11	3.21E-11

**Table 2k Exposure of Contaminant of Concern – Frequent Swimming at edge of Mixing Zone with General Public Diet (Scenario 2)**

Contaminant of Concern	Conc. at edge of Mixing Zone (mg/L)	Conc. in Seafood (mg/kg)	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Adult	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Child	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Adult	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Child	Daily Exposure via Consumption of Seafood (mg/kg-d) - Lifetime	Daily Exposure via Consumption of Seafood (mg/kg-d) - Adult	Daily Exposure via Consumption of Seafood (mg/kg-d) - Child	Total Daily Exposure (mg/kg-d) – Lifetime	Total Daily Exposure (mg/kg-d) – Adult	Total Daily Exposure (mg/kg-d) – Child
<i>Potential CBPs</i>														
TRC	1.30E-03	-	1.17E-06	9.56E-07	1.79E-06	7.82E-07	7.65E-07	8.32E-07	-	-	-	1.95E-06	1.72E-06	2.62E-06
Bromodichloromethane	3.25E-05	4.21E-04	2.93E-08	2.39E-08	4.48E-08	1.73E-06	1.69E-06	1.84E-06	2.29E-11	2.29E-11	2.29E-11	1.76E-06	1.71E-06	1.88E-06
Chloroform	9.09E-05	9.89E-04	8.20E-08	6.69E-08	1.25E-07	2.66E-07	2.60E-07	2.82E-07	5.37E-11	5.37E-11	5.38E-11	3.48E-07	3.27E-07	4.08E-07
Dibromochloromethane	3.25E-05	5.31E-04	2.93E-08	2.39E-08	4.48E-08	1.46E-07	1.43E-07	1.56E-07	2.88E-11	2.88E-11	2.89E-11	1.76E-07	1.67E-07	2.01E-07
Chloroacetic acid	5.19E-05	2.12E-05	4.68E-08	3.82E-08	7.17E-08	1.42E-08	1.39E-08	1.51E-08	1.15E-12	1.15E-12	1.15E-12	6.10E-08	5.21E-08	8.68E-08
Dibromoacetic acid	5.19E-05	6.69E-05	4.68E-08	3.82E-08	7.17E-08	2.06E-08	2.01E-08	2.19E-08	3.64E-12	3.64E-12	3.64E-12	6.74E-08	5.84E-08	9.36E-08
Dichloroacetic acid	5.96E-04	1.06E-03	5.38E-07	4.39E-07	8.23E-07	3.54E-07	3.46E-07	3.76E-07	5.75E-11	5.75E-11	5.76E-11	8.91E-07	7.85E-07	1.20E-06
Trichloroacetic acid	2.86E-04	2.58E-03	2.58E-07	2.10E-07	3.94E-07	4.48E-07	4.38E-07	4.77E-07	1.40E-10	1.40E-10	1.40E-10	7.06E-07	6.49E-07	8.71E-07
Tetrachloroethylene	1.69E-05	2.20E-03	1.52E-08	1.24E-08	2.33E-08	5.42E-06	5.30E-06	5.77E-06	1.19E-10	1.19E-10	1.19E-10	5.44E-06	5.31E-06	5.79E-06
Trichloroethylene	2.60E-05	5.76E-04	2.34E-08	1.91E-08	3.58E-08	2.55E-06	2.50E-06	2.71E-06	3.13E-11	3.13E-11	3.13E-11	2.58E-06	2.52E-06	2.75E-06
pentachlorophenol	1.62E-05	5.48E-02	1.46E-08	1.19E-08	2.24E-08	1.86E-05	1.82E-05	1.97E-05	2.98E-09	2.98E-09	2.98E-09	1.86E-05	1.82E-05	1.98E-05
2,4,6-trichlorophenol	2.60E-05	2.29E-03	2.34E-08	1.91E-08	3.58E-08	1.66E-06	1.62E-06	1.76E-06	1.24E-10	1.24E-10	1.25E-10	1.68E-06	1.64E-06	1.80E-06
a-BHC	3.25E-06	8.57E-04	2.93E-09	2.39E-09	4.48E-09	1.08E-07	1.06E-07	1.15E-07	4.66E-11	4.66E-11	4.66E-11	1.11E-07	1.08E-07	1.20E-07
b-BHC	6.49E-06	1.71E-03	5.86E-09	4.78E-09	8.96E-09	2.03E-07	1.98E-07	2.16E-07	9.32E-11	9.31E-11	9.32E-11	2.09E-07	2.03E-07	2.25E-07
g-BHC	6.49E-06	1.71E-03	5.86E-09	4.78E-09	8.96E-09	1.90E-07	1.85E-07	2.02E-07	9.32E-11	9.31E-11	9.32E-11	1.96E-07	1.90E-07	2.11E-07
<i>Contaminants in CEPT Effluent</i>														
Antimony	2.18E-04	8.88E-03	1.96E-07	1.60E-07	3.00E-07	1.31E-07	1.28E-07	1.39E-07	4.83E-10	4.83E-10	4.83E-10	3.28E-07	2.89E-07	4.40E-07
Arsenic	1.48E-03	1.69E-01	1.33E-06	1.09E-06	2.04E-06	8.91E-07	8.72E-07	9.48E-07	9.17E-09	9.17E-09	9.18E-09	2.23E-06	1.97E-06	3.00E-06
Barium	7.43E-03	4.79E+00	6.70E-06	5.47E-06	1.03E-05	4.47E-06	4.37E-06	4.76E-06	2.60E-07	2.60E-07	2.60E-07	1.14E-05	1.01E-05	1.53E-05
Chromium III	6.58E-04	1.50E-02	5.93E-07	4.84E-07	9.08E-07	3.96E-07	3.88E-07	4.21E-07	8.14E-10	8.14E-10	8.15E-10	9.91E-07	8.73E-07	1.33E-06
Lead	7.29E-04	6.60E-05	6.58E-07	5.37E-07	1.01E-06	4.39E-07	4.29E-07	4.67E-07	3.58E-12	3.58E-12	3.59E-12	1.10E-06	9.66E-07	1.47E-06
Mercury	4.41E-07	2.10E-03	3.98E-10	3.25E-10	6.09E-10	2.66E-10	2.60E-10	2.82E-10	1.14E-10	1.14E-10	1.14E-10	7.77E-10	6.99E-10	1.01E-09
Nickel	1.38E-03	1.23E-01	1.24E-06	1.01E-06	1.90E-06	8.29E-07	8.11E-07	8.82E-07	6.70E-09	6.70E-09	6.70E-09	2.08E-06	1.83E-06	2.79E-06
Selenium	5.45E-05	7.37E-03	4.92E-08	4.01E-08	7.53E-08	3.28E-08	3.21E-08	3.49E-08	4.01E-10	4.00E-10	4.01E-10	8.24E-08	7.27E-08	1.11E-07
Silver	1.07E-04	1.18E-02	9.65E-08	7.88E-08	1.48E-07	6.44E-08	6.30E-08	6.85E-08	6.43E-10	6.43E-10	6.44E-10	1.62E-07	1.42E-07	2.17E-07
Vanadium	2.50E-03	-	2.25E-06	1.84E-06	3.45E-06	1.51E-06	1.47E-06	1.60E-06	-	-	-	3.76E-06	3.31E-06	5.05E-06
Zinc	4.07E-03	9.00E+00	3.67E-06	2.99E-06	5.61E-06	2.45E-06	2.39E-06	2.60E-06	4.89E-07	4.89E-07	4.89E-07	6.60E-06	5.88E-06	8.71E-06
TCDD (I-TEQ)	3.98E-11	3.74E-05	3.59E-14	2.93E-14	5.49E-14	1.45E-10	1.42E-10	1.54E-10	2.03E-12	2.03E-12	2.03E-12	1.47E-10	1.44E-10	1.56E-10
Toluene	1.56E-04	4.19E-02	1.41E-07	1.15E-07	2.15E-07	2.58E-06	2.52E-06	2.74E-06	2.28E-09	2.28E-09	2.28E-09	2.72E-06	2.64E-06	2.96E-06
Malathion	4.03E-07	8.29E-06	3.63E-10	2.96E-10	5.56E-10	9.68E-10	9.47E-10	1.03E-09	4.50E-13	4.50E-13	4.51E-13	1.33E-09	1.24E-09	1.59E-09

**Table 2l Exposure of Contaminant of Concern – Frequent Swimming at the Nearest Beach with General Public Diet (Scenario 2)**

Contaminant of Concern	Conc. at the Nearest Beach (mg/L)	Conc. in Seafood (mg/kg)	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Adult	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Child	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Adult	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Child	Daily Exposure via Consumption of Seafood (mg/kg-d) - Lifetime	Daily Exposure via Consumption of Seafood (mg/kg-d) - Adult	Daily Exposure via Consumption of Seafood (mg/kg-d) - Child	Total Daily Exposure (mg/kg-d) – Lifetime	Total Daily Exposure (mg/kg-d) – Adult	Total Daily Exposure (mg/kg-d) – Child
<i>Potential CBPs</i>														
TRC	6.85E-04	-	6.18E-07	5.04E-07	9.45E-07	4.12E-07	4.03E-07	3.54E-09	-	-	-	1.03E-06	9.07E-07	9.49E-07
Bromodichloromethane	1.71E-05	4.21E-04	1.54E-08	1.26E-08	2.36E-08	9.11E-07	8.91E-07	7.81E-09	2.29E-11	2.29E-11	2.29E-11	9.26E-07	9.03E-07	3.15E-08
Chloroform	4.79E-05	9.89E-04	4.32E-08	3.53E-08	6.62E-08	1.40E-07	1.37E-07	1.49E-07	5.37E-11	5.37E-11	5.38E-11	1.83E-07	1.72E-07	2.15E-07
Dibromochloromethane	1.71E-05	5.31E-04	1.54E-08	1.26E-08	2.36E-08	7.73E-08	7.56E-08	8.22E-08	2.88E-11	2.88E-11	2.89E-11	9.27E-08	8.82E-08	1.06E-07
Chloroacetic acid	2.74E-05	2.12E-05	2.47E-08	2.02E-08	3.78E-08	7.49E-09	7.32E-09	7.96E-09	1.15E-12	1.15E-12	1.15E-12	3.22E-08	2.75E-08	4.58E-08
Dibromoacetic acid	2.74E-05	6.69E-05	2.47E-08	2.02E-08	3.78E-08	1.09E-08	1.06E-08	1.15E-08	3.64E-12	3.64E-12	3.64E-12	3.56E-08	3.08E-08	4.94E-08
Dichloroacetic acid	3.14E-04	1.06E-03	2.83E-07	2.31E-07	4.34E-07	1.87E-07	1.82E-07	1.98E-07	5.75E-11	5.75E-11	5.76E-11	4.70E-07	4.14E-07	6.32E-07
Trichloroacetic acid	1.51E-04	2.58E-03	1.36E-07	1.11E-07	2.08E-07	2.36E-07	2.31E-07	2.51E-07	1.40E-10	1.40E-10	1.40E-10	3.72E-07	3.42E-07	4.60E-07

Contaminant of Concern	Conc. at the Nearest Beach (mg/L)	Conc. in Seafood (mg/kg)	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Adult	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Child	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Adult	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Child	Daily Exposure via Consumption of Seafood (mg/kg-d) - Lifetime	Daily Exposure via Consumption of Seafood (mg/kg-d) - Adult	Daily Exposure via Consumption of Seafood (mg/kg-d) - Child	Total Daily Exposure (mg/kg-d) – Lifetime	Total Daily Exposure (mg/kg-d) – Adult	Total Daily Exposure (mg/kg-d) – Child
Tetrachloroethylene	8.90E-06	2.20E-03	8.03E-09	6.55E-09	1.23E-08	2.86E-06	2.80E-06	3.04E-06	1.19E-10	1.19E-10	1.19E-10	2.87E-06	2.80E-06	3.05E-06
Trichloroethylene	1.37E-05	5.76E-04	1.24E-08	1.01E-08	1.89E-08	1.35E-06	1.32E-06	1.43E-06	3.13E-11	3.13E-11	3.13E-11	1.36E-06	1.33E-06	1.45E-06
pentachlorophenol	8.56E-06	5.48E-02	7.72E-09	6.30E-09	1.18E-08	9.79E-06	9.58E-06	1.04E-05	2.98E-09	2.98E-09	2.98E-09	9.80E-06	9.58E-06	1.04E-05
2,4,6-trichlorophenol	1.37E-05	2.29E-03	1.24E-08	1.01E-08	1.89E-08	8.75E-07	8.55E-07	9.30E-07	1.24E-10	1.24E-10	1.25E-10	8.87E-07	8.66E-07	9.49E-07
a-BHC	1.71E-06	8.57E-04	1.54E-09	1.26E-09	2.36E-09	5.71E-08	5.58E-08	6.07E-08	4.66E-11	4.66E-11	4.66E-11	5.87E-08	5.71E-08	6.31E-08
b-BHC	3.42E-06	1.71E-03	3.09E-09	2.52E-09	4.73E-09	1.07E-07	1.05E-07	1.14E-07	9.32E-11	9.31E-11	9.32E-11	1.10E-07	1.07E-07	1.19E-07
g-BHC	3.42E-06	1.71E-03	3.09E-09	2.52E-09	4.73E-09	1.00E-07	9.78E-08	1.06E-07	9.32E-11	9.31E-11	9.32E-11	1.03E-07	1.00E-07	1.11E-07
<i>Contaminants in CEPT Effluent</i>														
Antimony	2.14E-04	8.88E-03	1.93E-07	1.58E-07	2.95E-07	1.29E-07	1.26E-07	1.37E-07	4.83E-10	4.83E-10	4.83E-10	3.22E-07	2.84E-07	4.33E-07
Arsenic	1.48E-03	1.69E-01	1.33E-06	1.09E-06	2.04E-06	8.91E-07	8.72E-07	9.48E-07	9.17E-09	9.17E-09	9.18E-09	2.23E-06	1.97E-06	3.00E-06
Barium	7.32E-03	4.79E+00	6.60E-06	5.38E-06	1.01E-05	4.40E-06	4.31E-06	4.68E-06	2.60E-07	2.60E-07	2.60E-07	1.13E-05	9.95E-06	1.50E-05
Chromium III	5.50E-04	1.50E-02	4.96E-07	4.05E-07	7.60E-07	3.31E-07	3.24E-07	3.52E-07	8.14E-10	8.14E-10	8.15E-10	8.28E-07	7.30E-07	1.11E-06
Lead	7.26E-04	6.60E-05	6.55E-07	5.35E-07	1.00E-06	4.37E-07	4.28E-07	4.65E-07	3.58E-12	3.58E-12	3.59E-12	1.09E-06	9.62E-07	1.47E-06
Mercury	2.61E-07	2.10E-03	2.35E-10	1.92E-10	3.60E-10	1.57E-10	1.54E-10	1.67E-10	1.14E-10	1.14E-10	1.14E-10	5.07E-10	4.60E-10	6.42E-10
Nickel	1.21E-03	1.23E-01	1.09E-06	8.89E-07	1.67E-06	7.27E-07	7.11E-07	7.74E-07	6.70E-09	6.70E-09	6.70E-09	1.82E-06	1.61E-06	2.45E-06
Selenium	5.24E-05	7.37E-03	4.72E-08	3.86E-08	7.23E-08	3.15E-08	3.09E-08	3.36E-08	4.01E-10	4.00E-10	4.01E-10	7.92E-08	6.98E-08	1.06E-07
Silver	8.38E-05	1.18E-02	7.56E-08	6.17E-08	1.16E-07	5.05E-08	4.94E-08	5.37E-08	6.43E-10	6.43E-10	6.44E-10	1.27E-07	1.12E-07	1.70E-07
Vanadium	2.33E-03	-	2.11E-06	1.72E-06	3.22E-06	1.41E-06	1.37E-06	1.50E-06	-	-	-	3.51E-06	3.09E-06	4.72E-06
Zinc	3.82E-03	9.00E+00	3.44E-06	2.81E-06	5.27E-06	2.30E-06	2.25E-06	2.44E-06	4.89E-07	4.89E-07	4.89E-07	6.23E-06	5.55E-06	8.20E-06
TCDD (I-TEQ)	3.94E-11	3.74E-05	3.55E-14	2.90E-14	5.44E-14	1.44E-10	1.40E-10	1.53E-10	2.03E-12	2.03E-12	2.03E-12	1.46E-10	1.43E-10	1.55E-10
Toluene	8.22E-05	4.19E-02	7.41E-08	6.05E-08	1.13E-07	1.36E-06	1.33E-06	1.44E-06	2.28E-09	2.28E-09	2.28E-09	1.44E-06	1.39E-06	1.56E-06
Malathion	2.12E-07	8.29E-06	1.91E-10	1.56E-10	2.93E-10	5.11E-10	4.99E-10	5.43E-10	4.50E-13	4.50E-13	4.51E-13	7.03E-10	6.56E-10	8.37E-10

**Table 2m Exposure of Contaminant of Concern – Dropping from Ship at edge of ZID with Fishermen Diet (Scenario 3)**

Contaminant of Concern	Conc. at edge of ZID (mg/L)	Conc. in Seafood (mg/kg)	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Adult	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Child	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Adult	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Child	Daily Exposure via Consumption of Seafood (mg/kg-d) - Lifetime	Daily Exposure via Consumption of Seafood (mg/kg-d) - Adult	Daily Exposure via Consumption of Seafood (mg/kg-d) - Child	Total Daily Exposure (mg/kg-d) – Lifetime	Total Daily Exposure (mg/kg-d) – Adult	Total Daily Exposure (mg/kg-d) – Child
<i>Potential CBPs</i>														
Bromoform	1.00E-03	1.33E-02	1.40E-08	1.14E-08	2.14E-08	4.61E-08	4.51E-08	4.90E-08	1.44E-09	1.46E-09	1.47E-09	6.15E-08	5.79E-08	7.19E-08
Bromodichloromethane	5.10E-05	4.21E-04	7.13E-10	5.82E-10	1.09E-09	3.66E-08	3.58E-08	3.89E-08	4.57E-11	4.64E-11	4.64E-11	3.74E-08	3.64E-08	4.01E-08
Chloroform	5.10E-05	3.53E-04	7.13E-10	5.82E-10	1.09E-09	1.86E-09	1.82E-09	1.98E-09	3.83E-11	3.89E-11	3.89E-11	2.61E-09	2.44E-09	3.11E-09
Dibromochloromethane	1.63E-04	1.70E-03	2.28E-09	1.86E-09	3.49E-09	4.89E-09	4.78E-09	5.20E-09	1.84E-10	1.87E-10	1.87E-10	7.36E-09	6.83E-09	8.88E-09
Dibromoacetic acid	2.04E-04	1.67E-04	2.85E-09	2.33E-09	4.37E-09	5.27E-10	5.16E-10	5.61E-10	1.82E-11	1.84E-11	1.84E-11	3.40E-09	2.86E-09	4.95E-09
Dichloroacetic acid	6.12E-05	6.92E-05	8.56E-10	6.99E-10	1.31E-09	4.85E-10	4.74E-10	5.16E-10	7.51E-12	7.62E-12	7.63E-12	1.35E-09	1.18E-09	1.83E-09
Trichloroacetic acid	1.43E-04	8.21E-04	2.00E-09	1.63E-09	3.06E-09	2.79E-09	2.73E-09	2.97E-09	8.91E-11	9.05E-11	9.05E-11	4.88E-09	4.45E-09	6.12E-09
pentachlorophenol	2.55E-05	5.48E-02	3.57E-10	2.91E-10	5.46E-10	3.26E-07	3.19E-07	3.47E-07	5.94E-09	6.03E-09	6.04E-09	3.33E-07	3.25E-07	3.54E-07
a-BHC	5.10E-06	8.57E-04	7.13E-11	5.82E-11	1.09E-10	1.90E-09	1.86E-09	2.02E-09	9.30E-11	9.44E-11	9.45E-11	2.07E-09	2.01E-09	2.23E-09
b-BHC	1.02E-05	1.71E-03	1.43E-10	1.16E-10	2.18E-10	3.57E-09	3.49E-09	3.79E-09	1.86E-10	1.89E-10	1.89E-10	3.90E-09	3.79E-09	4.20E-09
g-BHC	1.02E-05	1.71E-03	1.43E-10	1.16E-10	2.18E-10	3.33E-09	3.26E-09	3.54E-09	1.86E-10	1.89E-10	1.89E-10	3.66E-09	3.56E-09	3.95E-09
<i>Contaminants in Secondary Treated Effluent</i>														
Antimony	2.19E-04	8.74E-03	3.06E-09	2.50E-09	4.68E-09	2.04E-09	2.00E-09	2.17E-09	9.49E-10	9.63E-10	9.64E-10	6.05E-09	5.45E-09	7.81E-09
Barium	7.54E-03	4.77E+00	1.05E-07	8.61E-08	1.61E-07	7.04E-08	6.89E-08	7.49E-08	5.18E-07	5.26E-07	5.26E-07	6.94E-07	6.81E-07	7.63E-07
Chromium III	5.92E-04	1.13E-02	8.28E-09	6.76E-09	1.27E-08	5.53E-09	5.41E-09	5.88E-09	1.22E-09	1.24E-09	1.24E-09	1.50E-08	1.34E-08	1.98E-08
Nickel	1.45E-03	1.13E-01	2.03E-08	1.66E-08	3.11E-08	1.36E-08	1.33E-08	1.44E-08	1.23E-08	1.25E-08	1.25E-08	4.62E-08	4.24E-08	5.81E-08
Selenium	5.18E-05	6.69E-03	7.25E-10	5.92E-10	1.11E-09	4.84E-10	4.73E-10	5.15E-10	7.25E-10	7.36E-10	7.37E-10	1.93E-09	1.80E-09	2.36E-09
Silver	6.45E-05	5.66E-03	9.02E-10	7.37E-10	1.38E-09	6.03E-10	5.89E-10	6.41E-10	6.14E-10	6.23E-10	6.24E-10	2.12E-09	1.95E-09	2.65E-09

Contaminant of Concern	Conc. at edge of ZID (mg/L)	Conc. in Seafood (mg/kg)	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Adult	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Child	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Adult	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Child	Daily Exposure via Consumption of Seafood (mg/kg-d) - Lifetime	Daily Exposure via Consumption of Seafood (mg/kg-d) - Adult	Daily Exposure via Consumption of Seafood (mg/kg-d) - Child	Total Daily Exposure (mg/kg-d) – Lifetime	Total Daily Exposure (mg/kg-d) – Adult	Total Daily Exposure (mg/kg-d) – Child
Vanadium	2.73E-03	-	3.82E-08	3.11E-08	5.84E-08	2.55E-08	2.49E-08	2.71E-08	-	-	-	6.36E-08	5.61E-08	8.55E-08
Zinc	3.71E-03	7.64E+00	5.19E-08	4.23E-08	7.94E-08	3.46E-08	3.39E-08	3.68E-08	8.29E-07	8.41E-07	8.42E-07	9.15E-07	9.18E-07	9.58E-07
TCDD (I-TEQ)	3.95E-11	3.67E-05	5.52E-16	4.51E-16	8.45E-16	1.61E-12	1.57E-12	1.71E-12	3.98E-12	4.04E-12	4.04E-12	5.59E-12	5.61E-12	5.75E-12
Malathion	3.06E-07	4.01E-06	4.28E-12	3.49E-12	6.55E-12	8.23E-12	8.05E-12	8.76E-12	4.35E-13	4.42E-13	4.42E-13	1.29E-11	1.20E-11	1.58E-11

**Table 2n Exposure of Contaminant of Concern – Frequent Swimming at edge of Mixing Zone with Fishermen Diet (Scenario 3)**

Contaminant of Concern	Conc. at edge of Mixing Zone (mg/L)	Conc. in Seafood (mg/kg)	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Adult	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Child	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Adult	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Child	Daily Exposure via Consumption of Seafood (mg/kg-d) - Lifetime	Daily Exposure via Consumption of Seafood (mg/kg-d) - Adult	Daily Exposure via Consumption of Seafood (mg/kg-d) - Child	Total Daily Exposure (mg/kg-d) – Lifetime	Total Daily Exposure (mg/kg-d) – Adult	Total Daily Exposure (mg/kg-d) – Child
<i>Potential CBPs</i>														
Bromoform	6.36E-04	1.33E-02	5.74E-07	4.68E-07	8.78E-07	2.62E-06	2.56E-06	2.79E-06	1.44E-09	1.46E-09	1.47E-09	3.20E-06	3.03E-06	3.67E-06
Bromodichloromethane	3.25E-05	4.21E-04	2.93E-08	2.39E-08	4.48E-08	1.73E-06	1.69E-06	1.84E-06	4.57E-11	4.64E-11	4.64E-11	1.76E-06	1.71E-06	1.88E-06
Chloroform	3.25E-05	3.53E-04	2.93E-08	2.39E-08	4.48E-08	9.49E-08	9.28E-08	1.01E-07	3.83E-11	3.89E-11	3.89E-11	1.24E-07	1.17E-07	1.46E-07
Dibromochloromethane	1.04E-04	1.70E-03	9.37E-08	7.65E-08	1.43E-07	4.69E-07	4.58E-07	4.99E-07	1.84E-10	1.87E-10	1.87E-10	5.63E-07	5.35E-07	6.42E-07
Dibromoacetic acid	1.30E-04	1.67E-04	1.17E-07	9.56E-08	1.79E-07	5.14E-08	5.03E-08	5.47E-08	1.82E-11	1.84E-11	1.84E-11	1.69E-07	1.46E-07	2.34E-07
Dichloroacetic acid	3.90E-05	6.92E-05	3.51E-08	2.87E-08	5.38E-08	2.31E-08	2.26E-08	2.46E-08	7.51E-12	7.62E-12	7.63E-12	5.83E-08	5.13E-08	7.84E-08
Trichloroacetic acid	9.09E-05	8.21E-04	8.20E-08	6.69E-08	1.25E-07	1.43E-07	1.39E-07	1.52E-07	8.91E-11	9.05E-11	9.05E-11	2.25E-07	2.06E-07	2.77E-07
pentachlorophenol	1.62E-05	5.48E-02	1.46E-08	1.19E-08	2.24E-08	1.86E-05	1.82E-05	1.97E-05	5.94E-09	6.03E-09	6.04E-09	1.86E-05	1.82E-05	1.98E-05
a-BHC	3.25E-06	8.57E-04	2.93E-09	2.39E-09	4.48E-09	1.08E-07	1.06E-07	1.15E-07	9.30E-11	9.44E-11	9.45E-11	1.11E-07	1.08E-07	1.20E-07
b-BHC	6.49E-06	1.71E-03	5.86E-09	4.78E-09	8.96E-09	2.03E-07	1.98E-07	2.16E-07	1.86E-10	1.89E-10	1.89E-10	2.09E-07	2.03E-07	2.25E-07
g-BHC	6.49E-06	1.71E-03	5.86E-09	4.78E-09	8.96E-09	1.90E-07	1.85E-07	2.02E-07	1.86E-10	1.89E-10	1.89E-10	1.96E-07	1.90E-07	2.11E-07
<i>Contaminants present in Secondary Treated Effluent</i>														
Antimony	2.15E-04	8.74E-03	1.94E-07	1.59E-07	2.97E-07	1.30E-07	1.27E-07	1.38E-07	9.49E-10	9.63E-10	9.64E-10	3.25E-07	2.86E-07	4.36E-07
Barium	7.41E-03	4.77E+00	6.69E-06	5.46E-06	1.02E-05	4.46E-06	4.37E-06	4.75E-06	5.18E-07	5.26E-07	5.26E-07	1.17E-05	1.03E-05	1.55E-05
Chromium III	5.33E-04	1.13E-02	4.81E-07	3.93E-07	7.36E-07	3.21E-07	3.14E-07	3.41E-07	1.22E-09	1.24E-09	1.24E-09	8.03E-07	7.08E-07	1.08E-06
Nickel	1.30E-03	1.13E-01	1.17E-06	9.54E-07	1.79E-06	7.81E-07	7.63E-07	8.30E-07	1.23E-08	1.25E-08	1.25E-08	1.96E-06	1.73E-06	2.63E-06
Selenium	5.12E-05	6.69E-03	4.61E-08	3.77E-08	7.06E-08	3.08E-08	3.01E-08	3.28E-08	7.25E-10	7.36E-10	7.37E-10	7.77E-08	6.85E-08	1.04E-07
Silver	6.22E-05	5.66E-03	5.60E-08	4.58E-08	8.58E-08	3.74E-08	3.66E-08	3.98E-08	6.14E-10	6.23E-10	6.24E-10	9.41E-08	8.30E-08	1.26E-07
Vanadium	2.52E-03	-	2.27E-06	1.85E-06	3.48E-06	1.52E-06	1.48E-06	1.61E-06	-	-	-	3.79E-06	3.34E-06	5.09E-06
Zinc	3.65E-03	7.64E+00	3.29E-06	2.68E-06	5.03E-06	2.20E-06	2.15E-06	2.34E-06	8.29E-07	8.41E-07	8.42E-07	6.31E-06	5.67E-06	8.21E-06
TCDD (I-TEQ)	3.93E-11	3.67E-05	3.54E-14	2.89E-14	5.42E-14	1.43E-10	1.40E-10	1.52E-10	3.98E-12	4.04E-12	4.04E-12	1.47E-10	1.44E-10	1.56E-10
Malathion	1.95E-07	4.01E-06	1.76E-10	1.43E-10	2.69E-10	4.69E-10	4.58E-10	4.98E-10	4.35E-13	4.42E-13	4.42E-13	6.45E-10	6.02E-10	7.68E-10

**Table 2o Exposure of Contaminant of Concern – Frequent Swimming at the Nearest Beach with Fishermen Diet (Scenario 3)**

Contaminant of Concern	Conc. at the Nearest Beach (mg/L)	Conc. in Seafood (mg/kg)	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Adult	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Child	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Adult	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Child	Daily Exposure via Consumption of Seafood (mg/kg-d) - Lifetime	Daily Exposure via Consumption of Seafood (mg/kg-d) - Adult	Daily Exposure via Consumption of Seafood (mg/kg-d) - Child	Total Daily Exposure (mg/kg-d) – Lifetime	Total Daily Exposure (mg/kg-d) – Adult	Total Daily Exposure (mg/kg-d) – Child
<i>Potential CBPs</i>														
Bromoform	3.36E-04	1.33E-02	3.03E-07	2.47E-07	4.63E-07	1.38E-06	1.35E-06	1.47E-06	1.44E-09	1.46E-09	1.47E-09	1.69E-06	1.60E-06	1.93E-06
Bromodichloromethane	1.71E-05	4.21E-04	1.54E-08	1.26E-08	2.36E-08	9.11E-07	8.91E-07	9.69E-07	4.57E-11	4.64E-11	4.64E-11	9.26E-07	9.03E-07	9.92E-07
Chloroform	1.71E-05	3.53E-04	1.54E-08	1.26E-08	2.36E-08	5.00E-08	4.89E-08	5.32E-08	3.83E-11	3.89E-11	3.89E-11	6.55E-08	6.16E-08	7.69E-08

Contaminant of Concern	Conc. at the Nearest Beach (mg/L)	Conc. in Seafood (mg/kg)	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Adult	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Child	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Adult	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Child	Daily Exposure via Consumption of Seafood (mg/kg-d) - Lifetime	Daily Exposure via Consumption of Seafood (mg/kg-d) - Adult	Daily Exposure via Consumption of Seafood (mg/kg-d) - Child	Total Daily Exposure (mg/kg-d) – Lifetime	Total Daily Exposure (mg/kg-d) – Adult	Total Daily Exposure (mg/kg-d) – Child
Dibromochloromethane	5.48E-05	1.70E-03	4.94E-08	4.03E-08	7.56E-08	2.47E-07	2.42E-07	2.63E-07	1.84E-10	1.87E-10	1.87E-10	2.97E-07	2.82E-07	3.39E-07
Dibromoacetic acid	6.85E-05	1.67E-04	6.18E-08	5.04E-08	9.45E-08	2.71E-08	2.65E-08	2.89E-08	1.82E-11	1.84E-11	1.84E-11	8.89E-08	7.70E-08	1.23E-07
Dichloroacetic acid	2.05E-05	6.92E-05	1.85E-08	1.51E-08	2.84E-08	1.22E-08	1.19E-08	1.30E-08	7.51E-12	7.62E-12	7.63E-12	3.07E-08	2.71E-08	4.13E-08
Trichloroacetic acid	4.79E-05	8.21E-04	4.32E-08	3.53E-08	6.62E-08	7.52E-08	7.36E-08	8.00E-08	8.91E-11	9.05E-11	9.05E-11	1.19E-07	1.09E-07	1.46E-07
pentachlorophenol	8.56E-06	5.48E-02	7.72E-09	6.30E-09	1.18E-08	9.79E-06	9.58E-06	1.04E-05	5.94E-09	6.03E-09	6.04E-09	9.80E-06	9.59E-06	1.04E-05
a-BHC	1.71E-06	8.57E-04	1.54E-09	1.26E-09	2.36E-09	5.71E-08	5.58E-08	6.07E-08	9.30E-11	9.44E-11	9.45E-11	5.87E-08	5.72E-08	6.32E-08
b-BHC	3.42E-06	1.71E-03	3.09E-09	2.52E-09	4.73E-09	1.07E-07	1.05E-07	1.14E-07	1.86E-10	1.89E-10	1.89E-10	1.10E-07	1.07E-07	1.19E-07
g-BHC	3.42E-06	1.71E-03	3.09E-09	2.52E-09	4.73E-09	1.00E-07	9.78E-08	1.06E-07	1.86E-10	1.89E-10	1.89E-10	1.03E-07	1.01E-07	1.11E-07
<i>Contaminants present in Secondary Treated Effluent</i>														
Antimony	2.13E-04	8.74E-03	1.92E-07	1.57E-07	2.94E-07	1.28E-07	1.25E-07	1.36E-07	9.49E-10	9.63E-10	9.64E-10	3.21E-07	2.83E-07	4.31E-07
Barium	7.31E-03	4.77E+00	6.59E-06	5.38E-06	1.01E-05	4.40E-06	4.30E-06	4.68E-06	5.18E-07	5.26E-07	5.26E-07	1.15E-05	1.02E-05	1.53E-05
Chromium III	4.84E-04	1.13E-02	4.37E-07	3.57E-07	6.69E-07	2.92E-07	2.85E-07	3.10E-07	1.22E-09	1.24E-09	1.24E-09	7.30E-07	6.43E-07	9.80E-07
Nickel	1.17E-03	1.13E-01	1.05E-06	8.58E-07	1.61E-06	7.02E-07	6.86E-07	7.47E-07	1.23E-08	1.25E-08	1.25E-08	1.77E-06	1.56E-06	2.37E-06
Selenium	5.06E-05	6.69E-03	4.56E-08	3.73E-08	6.99E-08	3.05E-08	2.98E-08	3.24E-08	7.25E-10	7.36E-10	7.37E-10	7.68E-08	6.78E-08	1.03E-07
Silver	6.02E-05	5.66E-03	5.43E-08	4.43E-08	8.31E-08	3.62E-08	3.54E-08	3.85E-08	6.14E-10	6.23E-10	6.24E-10	9.11E-08	8.04E-08	1.22E-07
Vanadium	2.34E-03	-	2.11E-06	1.73E-06	3.24E-06	1.41E-06	1.38E-06	1.50E-06	-	-	-	3.53E-06	3.11E-06	4.74E-06
Zinc	3.60E-03	7.64E+00	3.24E-06	2.65E-06	4.96E-06	2.17E-06	2.12E-06	2.30E-06	8.29E-07	8.41E-07	8.42E-07	6.24E-06	5.61E-06	8.11E-06
TCDD (I-TEQ)	3.92E-11	3.67E-05	3.53E-14	2.88E-14	5.40E-14	1.43E-10	1.40E-10	1.52E-10	3.98E-12	4.04E-12	4.04E-12	1.47E-10	1.44E-10	1.56E-10
Malathion	1.03E-07	4.01E-06	9.26E-11	7.56E-11	1.42E-10	2.47E-10	2.42E-10	2.63E-10	4.35E-13	4.42E-13	4.42E-13	3.40E-10	3.18E-10	4.05E-10

**Table 2p Exposure of Contaminant of Concern – Dropping from Ship at edge of ZID with General Public Diet (Scenario 3)**

Contaminant of Concern	Conc. at edge of ZID (mg/L)	Conc. in Seafood (mg/kg)	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Adult	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Child	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Adult	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Child	Daily Exposure via Consumption of Seafood (mg/kg-d) - Lifetime	Daily Exposure via Consumption of Seafood (mg/kg-d) - Adult	Daily Exposure via Consumption of Seafood (mg/kg-d) - Child	Total Daily Exposure (mg/kg-d) – Lifetime	Total Daily Exposure (mg/kg-d) – Adult	Total Daily Exposure (mg/kg-d) – Child
<i>Potential CBPs</i>														
Bromoform	1.00E-03	1.33E-02	1.40E-08	1.14E-08	2.14E-08	4.61E-08	4.51E-08	4.90E-08	7.23E-10	7.23E-10	7.23E-10	6.08E-08	5.72E-08	7.11E-08
Bromodichloromethane	5.10E-05	4.21E-04	7.13E-10	5.82E-10	1.09E-09	3.66E-08	3.58E-08	3.89E-08	2.29E-11	2.29E-11	2.29E-11	3.73E-08	3.64E-08	4.01E-08
Chloroform	5.10E-05	3.53E-04	7.13E-10	5.82E-10	1.09E-09	1.86E-09	1.82E-09	1.98E-09	1.92E-11	1.92E-11	1.92E-11	2.59E-09	2.42E-09	3.09E-09
Dibromochloromethane	1.63E-04	1.70E-03	2.28E-09	1.86E-09	3.49E-09	4.89E-09	4.78E-09	5.20E-09	9.23E-11	9.22E-11	9.23E-11	7.26E-09	6.74E-09	8.79E-09
Dibromoacetic acid	2.04E-04	1.67E-04	2.85E-09	2.33E-09	4.37E-09	5.27E-10	5.16E-10	5.61E-10	9.09E-12	9.09E-12	9.10E-12	3.39E-09	2.85E-09	4.94E-09
Dichloroacetic acid	6.12E-05	6.92E-05	8.56E-10	6.99E-10	1.31E-09	4.85E-10	4.74E-10	5.16E-10	3.76E-12	3.76E-12	3.76E-12	1.34E-09	1.18E-09	1.83E-09
Trichloroacetic acid	1.43E-04	8.21E-04	2.00E-09	1.63E-09	3.06E-09	2.79E-09	2.73E-09	2.97E-09	4.46E-11	4.46E-11	4.47E-11	4.83E-09	4.41E-09	6.07E-09
pentachlorophenol	2.55E-05	5.48E-02	3.57E-10	2.91E-10	5.46E-10	3.26E-07	3.19E-07	3.47E-07	2.98E-09	2.98E-09	2.98E-09	3.30E-07	3.22E-07	3.51E-07
a-BHC	5.10E-06	8.57E-04	7.13E-11	5.82E-11	1.09E-10	1.90E-09	1.86E-09	2.02E-09	4.66E-11	4.66E-11	4.66E-11	2.02E-09	1.97E-09	2.18E-09
b-BHC	1.02E-05	1.71E-03	1.43E-10	1.16E-10	2.18E-10	3.57E-09	3.49E-09	3.79E-09	9.32E-11	9.31E-11	9.32E-11	3.80E-09	3.70E-09	4.11E-09
g-BHC	1.02E-05	1.71E-03	1.43E-10	1.16E-10	2.18E-10	3.33E-09	3.26E-09	3.54E-09	9.32E-11	9.31E-11	9.32E-11	3.57E-09	3.47E-09	3.86E-09
<i>Contaminants present in Secondary Treated Effluent</i>														
Antimony	2.19E-04	8.74E-03	3.06E-09	2.50E-09	4.68E-09	2.04E-09	2.00E-09	2.17E-09	4.75E-10	4.75E-10	4.75E-10	5.57E-09	4.97E-09	7.33E-09
Barium	7.54E-03	4.77E+00	1.05E-07	8.61E-08	1.61E-07	7.04E-08	6.89E-08	7.49E-08	2.59E-07	2.59E-07	2.60E-07	4.35E-07	4.14E-07	4.96E-07
Chromium III	5.92E-04	1.13E-02	8.28E-09	6.76E-09	1.27E-08	5.53E-09	5.41E-09	5.88E-09	6.11E-10	6.11E-10	6.12E-10	1.44E-08	1.28E-08	1.92E-08
Nickel	1.45E-03	1.13E-01	2.03E-08	1.66E-08	3.11E-08	1.36E-08	1.33E-08	1.44E-08	6.16E-09	6.16E-09	6.17E-09	4.01E-08	3.60E-08	5.17E-08
Selenium	5.18E-05	6.69E-03	7.25E-10	5.92E-10	1.11E-09	4.84E-10	4.73E-10	5.15E-10	3.63E-10	3.63E-10	3.64E-10	1.57E-09	1.43E-09	1.99E-09
Silver	6.45E-05	5.66E-03	9.02E-10	7.37E-10	1.38E-09	6.03E-10	5.89E-10	6.41E-10	3.08E-10	3.07E-10	3.08E-10	1.81E-09	1.63E-09	2.33E-09
Vanadium	2.73E-03	-	3.82E-08	3.11E-08	5.84E-08	2.55E-08	2.49E-08	2.71E-08	-	-	-	6.36E-08	5.61E-08	8.55E-08
Zinc	3.71E-03	7.64E+00	5.19E-08	4.23E-08	7.94E-08	3.46E-08	3.39E-08	3.68E-08	4.15E-07	4.15E-07	4.15E-07	5.02E-07	4.91E-07	5.32E-07
TCDD (I-TEQ)	3.95E-11	3.67E-05	5.52E-16	4.51E-16	8.45E-16	1.61E-12	1.57E-12	1.71E-12	1.99E-12	1.99E-12	1.99E-12	3.60E-12	3.57E-12	3.71E-12

Contaminant of Concern	Conc. at edge of ZID (mg/L)	Conc. in Seafood (mg/kg)	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Adult	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Child	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Adult	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Child	Daily Exposure via Consumption of Seafood (mg/kg-d) - Lifetime	Daily Exposure via Consumption of Seafood (mg/kg-d) - Adult	Daily Exposure via Consumption of Seafood (mg/kg-d) - Child	Total Daily Exposure (mg/kg-d) – Lifetime	Total Daily Exposure (mg/kg-d) – Adult	Total Daily Exposure (mg/kg-d) – Child
Malathion	3.06E-07	4.01E-06	4.28E-12	3.49E-12	6.55E-12	8.23E-12	8.05E-12	8.76E-12	2.18E-13	2.18E-13	2.18E-13	1.27E-11	1.18E-11	1.55E-11

**Table 2q Exposure of Contaminant of Concern – Frequent Swimming at edge of Mixing Zone with General Public Diet (Scenario 3)**

Contaminant of Concern	Conc. at edge of Mixing Zone (mg/L)	Conc. in Seafood (mg/kg)	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Adult	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Child	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Adult	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Child	Daily Exposure via Consumption of Seafood (mg/kg-d) - Lifetime	Daily Exposure via Consumption of Seafood (mg/kg-d) - Adult	Daily Exposure via Consumption of Seafood (mg/kg-d) - Child	Total Daily Exposure (mg/kg-d) – Lifetime	Total Daily Exposure (mg/kg-d) – Adult	Total Daily Exposure (mg/kg-d) – Child
<i>Potential CBPs</i>														
Bromoform	6.36E-04	1.33E-02	5.74E-07	4.68E-07	8.78E-07	2.62E-06	2.56E-06	2.79E-06	7.23E-10	7.23E-10	7.23E-10	3.20E-06	3.03E-06	3.67E-06
Bromodichloromethane	3.25E-05	4.21E-04	2.93E-08	2.39E-08	4.48E-08	1.73E-06	1.69E-06	1.84E-06	2.29E-11	2.29E-11	2.29E-11	1.76E-06	1.71E-06	1.88E-06
Chloroform	3.25E-05	3.53E-04	2.93E-08	2.39E-08	4.48E-08	9.49E-08	9.28E-08	1.01E-07	1.92E-11	1.92E-11	1.92E-11	1.24E-07	1.17E-07	1.46E-07
Dibromochloromethane	1.04E-04	1.70E-03	9.37E-08	7.65E-08	1.43E-07	4.69E-07	4.58E-07	4.99E-07	9.23E-11	9.22E-11	9.23E-11	5.63E-07	5.35E-07	6.42E-07
Dibromoacetic acid	1.30E-04	1.67E-04	1.17E-07	9.56E-08	1.79E-07	5.14E-08	5.03E-08	5.47E-08	9.09E-12	9.09E-12	9.10E-12	1.69E-07	1.46E-07	2.34E-07
Dichloroacetic acid	3.90E-05	6.92E-05	3.51E-08	2.87E-08	5.38E-08	2.31E-08	2.26E-08	2.46E-08	3.76E-12	3.76E-12	3.76E-12	5.82E-08	5.13E-08	7.84E-08
Trichloroacetic acid	9.09E-05	8.21E-04	8.20E-08	6.69E-08	1.25E-07	1.43E-07	1.39E-07	1.52E-07	4.46E-11	4.46E-11	4.47E-11	2.25E-07	2.06E-07	2.77E-07
pentachlorophenol	1.62E-05	5.48E-02	1.46E-08	1.19E-08	2.24E-08	1.86E-05	1.82E-05	1.97E-05	2.98E-09	2.98E-09	2.98E-09	1.86E-05	1.82E-05	1.98E-05
a-BHC	3.25E-06	8.57E-04	2.93E-09	2.39E-09	4.48E-09	1.08E-07	1.06E-07	1.15E-07	4.66E-11	4.66E-11	4.66E-11	1.11E-07	1.08E-07	1.20E-07
b-BHC	6.49E-06	1.71E-03	5.86E-09	4.78E-09	8.96E-09	2.03E-07	1.98E-07	2.16E-07	9.32E-11	9.31E-11	9.32E-11	2.09E-07	2.03E-07	2.25E-07
g-BHC	6.49E-06	1.71E-03	5.86E-09	4.78E-09	8.96E-09	1.90E-07	1.85E-07	2.02E-07	9.32E-11	9.31E-11	9.32E-11	1.96E-07	1.90E-07	2.11E-07
<i>Contaminants present in Secondary Treated Effluent</i>														
Antimony	2.15E-04	8.74E-03	1.94E-07	1.59E-07	2.97E-07	1.30E-07	1.27E-07	1.38E-07	4.75E-10	4.75E-10	4.75E-10	3.24E-07	2.86E-07	4.36E-07
Barium	7.41E-03	4.77E+00	6.69E-06	5.46E-06	1.02E-05	4.46E-06	4.37E-06	4.75E-06	2.59E-07	2.59E-07	2.60E-07	1.14E-05	1.01E-05	1.52E-05
Chromium III	5.33E-04	1.13E-02	4.81E-07	3.93E-07	7.36E-07	3.21E-07	3.14E-07	3.41E-07	6.11E-10	6.11E-10	6.12E-10	8.03E-07	7.07E-07	1.08E-06
Nickel	1.30E-03	1.13E-01	1.17E-06	9.54E-07	1.79E-06	7.81E-07	7.63E-07	8.30E-07	6.16E-09	6.16E-09	6.17E-09	1.96E-06	1.72E-06	2.63E-06
Selenium	5.12E-05	6.69E-03	4.61E-08	3.77E-08	7.06E-08	3.08E-08	3.01E-08	3.28E-08	3.63E-10	3.63E-10	3.64E-10	7.73E-08	6.82E-08	1.04E-07
Silver	6.22E-05	5.66E-03	5.60E-08	4.58E-08	8.58E-08	3.74E-08	3.66E-08	3.98E-08	3.08E-10	3.07E-10	3.08E-10	9.38E-08	8.27E-08	1.26E-07
Vanadium	2.52E-03	-	2.27E-06	1.85E-06	3.48E-06	1.52E-06	1.48E-06	1.61E-06	-	-	-	3.79E-06	3.34E-06	5.09E-06
Zinc	3.65E-03	7.64E+00	3.29E-06	2.68E-06	5.03E-06	2.20E-06	2.15E-06	2.34E-06	4.15E-07	4.15E-07	4.15E-07	5.90E-06	5.25E-06	7.78E-06
TCDD (I-TEQ)	3.93E-11	3.67E-05	3.54E-14	2.89E-14	5.42E-14	1.43E-10	1.40E-10	1.52E-10	1.99E-12	1.99E-12	1.99E-12	1.45E-10	1.42E-10	1.54E-10
Malathion	1.95E-07	4.01E-06	1.76E-10	1.43E-10	2.69E-10	4.69E-10	4.58E-10	4.98E-10	2.18E-13	2.18E-13	2.18E-13	6.44E-10	6.02E-10	7.67E-10

**Table 2r Exposure of Contaminant of Concern – Frequent Swimming at the Nearest Beach with General Public Diet (Scenario 3)**

Contaminant of Concern	Conc. at the Nearest Beach (mg/L)	Conc. in Seafood (mg/kg)	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Adult	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Child	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Adult	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Child	Daily Exposure via Consumption of Seafood (mg/kg-d) - Lifetime	Daily Exposure via Consumption of Seafood (mg/kg-d) - Adult	Daily Exposure via Consumption of Seafood (mg/kg-d) - Child	Total Daily Exposure (mg/kg-d) – Lifetime	Total Daily Exposure (mg/kg-d) – Adult	Total Daily Exposure (mg/kg-d) – Child
<i>Potential CBPs</i>														
Bromoform	3.36E-04	1.33E-02	3.03E-07	2.47E-07	4.63E-07	1.38E-06	1.35E-06	1.47E-06	7.23E-10	7.23E-10	7.23E-10	1.69E-06	1.60E-06	1.93E-06
Bromodichloromethane	1.71E-05	4.21E-04	1.54E-08	1.26E-08	2.36E-08	9.11E-07	8.91E-07	9.69E-07	2.29E-11	2.29E-11	2.29E-11	9.26E-07	9.03E-07	9.92E-07
Chloroform	1.71E-05	3.53E-04	1.54E-08	1.26E-08	2.36E-08	5.00E-08	4.89E-08	5.32E-08	1.92E-11	1.92E-11	1.92E-11	6.55E-08	6.16E-08	7.69E-08
Dibromochloromethane	5.48E-05	1.70E-03	4.94E-08	4.03E-08	7.56E-08	2.47E-07	2.42E-07	2.63E-07	9.23E-11	9.22E-11	9.23E-11	2.97E-07	2.82E-07	3.39E-07
Dibromoacetic acid	6.85E-05	1.67E-04	6.18E-08	5.04E-08	9.45E-08	2.71E-08	2.65E-08	2.89E-08	9.09E-12	9.09E-12	9.10E-12	8.89E-08	7.70E-08	1.23E-07
Dichloroacetic acid	2.05E-05	6.92E-05	1.85E-08	1.51E-08	2.84E-08	1.22E-08	1.19E-08	1.30E-08	3.76E-12	3.76E-12	3.76E-12	3.07E-08	2.71E-08	4.13E-08

Contaminant of Concern	Conc. at the Nearest Beach (mg/L)	Conc. in Seafood (mg/kg)	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Adult	Daily Exposure via Ingestion of Seawater (mg/kg-d) - Child	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Lifetime	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Adult	Daily Exposure via Dermal Contact of Seawater (mg/kg-d) - Child	Daily Exposure via Consumption of Seafood (mg/kg-d) - Lifetime	Daily Exposure via Consumption of Seafood (mg/kg-d) - Adult	Daily Exposure via Consumption of Seafood (mg/kg-d) - Child	Total Daily Exposure (mg/kg-d) – Lifetime	Total Daily Exposure (mg/kg-d) – Adult	Total Daily Exposure (mg/kg-d) – Child
Trichloroacetic acid	4.79E-05	8.21E-04	4.32E-08	3.53E-08	6.62E-08	7.52E-08	7.36E-08	8.00E-08	4.46E-11	4.46E-11	4.47E-11	1.18E-07	1.09E-07	1.46E-07
pentachlorophenol	8.56E-06	5.48E-02	7.72E-09	6.30E-09	1.18E-08	9.79E-06	9.58E-06	1.04E-05	2.98E-09	2.98E-09	2.98E-09	9.80E-06	9.58E-06	1.04E-05
a-BHC	1.71E-06	8.57E-04	1.54E-09	1.26E-09	2.36E-09	5.71E-08	5.58E-08	6.07E-08	4.66E-11	4.66E-11	4.66E-11	5.87E-08	5.71E-08	6.31E-08
b-BHC	3.42E-06	1.71E-03	3.09E-09	2.52E-09	4.73E-09	1.07E-07	1.05E-07	1.14E-07	9.32E-11	9.31E-11	9.32E-11	1.10E-07	1.07E-07	1.19E-07
g-BHC	3.42E-06	1.71E-03	3.09E-09	2.52E-09	4.73E-09	1.00E-07	9.78E-08	1.06E-07	9.32E-11	9.31E-11	9.32E-11	1.03E-07	1.00E-07	1.11E-07
<i>Contaminants present in Secondary Treated Effluent</i>														
Antimony	2.13E-04	8.74E-03	1.92E-07	1.57E-07	2.94E-07	1.28E-07	1.25E-07	1.36E-07	4.75E-10	4.75E-10	4.75E-10	3.21E-07	2.83E-07	4.31E-07
Barium	7.31E-03	4.77E+00	6.59E-06	5.38E-06	1.01E-05	4.40E-06	4.30E-06	4.68E-06	2.59E-07	2.59E-07	2.60E-07	1.13E-05	9.94E-06	1.50E-05
Chromium III	4.84E-04	1.13E-02	4.37E-07	3.57E-07	6.69E-07	2.92E-07	2.85E-07	3.10E-07	6.11E-10	6.11E-10	6.12E-10	7.29E-07	6.42E-07	9.79E-07
Nickel	1.17E-03	1.13E-01	1.05E-06	8.58E-07	1.61E-06	7.02E-07	6.86E-07	7.47E-07	6.16E-09	6.16E-09	6.17E-09	1.76E-06	1.55E-06	2.36E-06
Selenium	5.06E-05	6.69E-03	4.56E-08	3.73E-08	6.99E-08	3.05E-08	2.98E-08	3.24E-08	3.63E-10	3.63E-10	3.64E-10	7.65E-08	6.74E-08	1.03E-07
Silver	6.02E-05	5.66E-03	5.43E-08	4.43E-08	8.31E-08	3.62E-08	3.54E-08	3.85E-08	3.08E-10	3.07E-10	3.08E-10	9.08E-08	8.01E-08	1.22E-07
Vanadium	2.34E-03	-	2.11E-06	1.73E-06	3.24E-06	1.41E-06	1.38E-06	1.50E-06	-	-	-	3.53E-06	3.11E-06	4.74E-06
Zinc	3.60E-03	7.64E+00	3.24E-06	2.65E-06	4.96E-06	2.17E-06	2.12E-06	2.30E-06	4.15E-07	4.15E-07	4.15E-07	5.82E-06	5.18E-06	7.68E-06
TCDD (I-TEQ)	3.92E-11	3.67E-05	3.53E-14	2.88E-14	5.40E-14	1.43E-10	1.40E-10	1.52E-10	1.99E-12	1.99E-12	1.99E-12	1.45E-10	1.42E-10	1.54E-10
Malathion	1.03E-07	4.01E-06	9.26E-11	7.56E-11	1.42E-10	2.47E-10	2.42E-10	2.63E-10	2.18E-13	2.18E-13	2.18E-13	3.40E-10	3.18E-10	4.05E-10

**Table 3a Human Health Risk – Receptors with Fishermen Diet (Scenario 1)**

Contaminant of Concern	Cancer Slope Factor (mg/kg-d) <sup>-1</sup>	Reference Dose (mg/kg-d)	Dropping from Ships at edge of ZID			Frequent Swimming at edge of Mixing Zone			Frequent Swimming at the Nearest Beach		
			Lifetime Incremental Cancer Risk	Hazard Quotient (adult)	Hazard Quotient (child)	Lifetime Incremental Cancer Risk	Hazard Quotient (adult)	Hazard Quotient (child)	Lifetime Incremental Cancer Risk	Hazard Quotient (adult)	Hazard Quotient (child)
<i>Potential CBPs</i>											
TRC	-	0.1	-	3.88E-07	5.91E-07	-	1.62E-05	2.46E-05	-	8.13E-06	1.24E-05
Bromodichloromethane	6.20 x 10 <sup>-2</sup>	0.02	2.14E-09	1.68E-06	1.85E-06	1.02E-07	8.04E-05	8.83E-05	5.14E-08	4.05E-05	4.44E-05
Chloroform	-	0.01	-	6.30E-07	8.04E-07	-	3.07E-05	3.83E-05	-	1.54E-05	1.93E-05
Dibromochloromethane	8.40 x 10 <sup>-2</sup>	0.02	1.78E-10	9.85E-08	1.28E-07	1.39E-08	7.85E-06	9.42E-06	6.98E-09	3.95E-06	4.74E-06
Chloroacetic acid	-	0.002	-	5.73E-07	9.62E-07	-	2.45E-05	4.08E-05	-	1.23E-05	2.05E-05
Dibromoacetic acid	-	0.02	-	5.29E-08	9.15E-08	-	2.74E-06	4.39E-06	-	1.38E-06	2.21E-06
Dichloroacetic acid	5.00 x 10 <sup>-2</sup>	0.004	9.54E-10	4.17E-06	6.48E-06	4.18E-08	1.84E-04	2.81E-04	2.11E-08	9.27E-05	1.42E-04
Trichloroacetic acid	-	0.04	-	3.23E-07	4.44E-07	-	1.52E-05	2.05E-05	-	7.67E-06	1.03E-05
Tetrachloroethylene	-	0.01	-	5.45E-06	5.95E-06	-	4.99E-04	5.44E-04	-	2.51E-04	2.73E-04
Trichloroethylene	-	0.0238	-	2.03E-06	2.22E-06	-	9.92E-05	1.09E-04	-	4.99E-05	5.46E-05
pentachlorophenol	1.20 x 10 <sup>-1</sup>	0.03	3.69E-08	1.00E-05	1.09E-05	2.09E-06	5.69E-04	6.19E-04	1.05E-06	2.86E-04	3.11E-04
2,4,6-trichlorophenol	1.10 x 10 <sup>-2</sup>	-	3.05E-10	-	-	1.74E-08	-	-	8.74E-09	-	-
a-BHC	6.3	-	1.20E-08	-	-	6.58E-07	-	-	3.31E-07	-	-
b-BHC	1.8	-	6.47E-09	-	-	3.53E-07	-	-	1.78E-07	-	-
g-BHC	-	0.0003	-	1.09E-05	1.21E-05	-	5.96E-04	6.60E-04	-	3.00E-04	3.32E-04
<i>Contaminants present in CEPT Effluent</i>											
Antimony	-	0.0004	-	1.37E-05	1.96E-05	-	7.22E-04	1.10E-03	-	7.10E-04	1.08E-03
Arsenic	1.5	0.0003	7.80E-08	1.60E-04	2.13E-04	3.36E-06	6.60E-03	1.00E-02	3.36E-06	6.59E-03	1.00E-02
Barium	-	0.0003	-	2.16E-03	2.44E-03	-	3.44E-02	5.16E-02	-	3.39E-02	5.08E-02
Chromium III	-	1.5	-	1.14E-08	1.69E-08	-	5.70E-07	8.69E-07	-	4.76E-07	7.25E-07
Lead	-	0.0035	-	4.30E-06	6.56E-06	-	2.76E-04	4.21E-04	-	2.75E-04	4.19E-04
Mercury	-	0.00071	-	3.03E-07	3.13E-07	-	1.07E-06	1.47E-06	-	7.34E-07	9.69E-07
Nickel	-	0.005	-	8.81E-06	1.21E-05	-	3.62E-04	5.50E-04	-	3.17E-04	4.83E-04
Selenium	-	0.004	-	4.80E-07	6.33E-07	-	1.82E-05	2.76E-05	-	1.75E-05	2.65E-05
Silver	-	0.005	-	7.66E-07	1.04E-06	-	2.78E-05	4.23E-05	-	2.17E-05	3.30E-05
Vanadium	-	0.009	-	6.07E-06	9.26E-06	-	3.65E-04	5.56E-04	-	3.41E-04	5.20E-04
Zinc	-	0.3	-	3.36E-06	3.52E-06	-	2.09E-05	3.02E-05	-	1.98E-05	2.86E-05



Contaminant of Concern	Cancer Slope Factor (mg/kg-d) <sup>-1</sup>	Reference Dose (mg/kg-d)	Dropping from Ships at edge of ZID			Frequent Swimming at edge of Mixing Zone			Frequent Swimming at the Nearest Beach		
			Lifetime Incremental Cancer Risk	Hazard Quotient (adult)	Hazard Quotient (child)	Lifetime Incremental Cancer Risk	Hazard Quotient (adult)	Hazard Quotient (child)	Lifetime Incremental Cancer Risk	Hazard Quotient (adult)	Hazard Quotient (child)
TCDD (I-TEQ)	1.50E+05	1E-09	8.25E-07	5.47E-03	5.61E-03	2.23E-05	1.46E-01	1.58E-01	2.21E-05	1.44E-01	1.57E-01
Toluene	-	0.08	-	7.16E-07	8.00E-07	-	3.10E-05	3.47E-05	-	1.56E-05	1.75E-05
Malathion	-	0.02	-	1.14E-09	1.50E-09	-	5.84E-08	7.45E-08	-	2.94E-08	3.75E-08
<b>Total</b>			<b>9.62E-07</b>	<b>7.86E-03</b>	<b>8.36E-03</b>	<b>2.90E-05</b>	<b>1.90E-01</b>	<b>2.25E-01</b>	<b>2.71E-05</b>	<b>1.88E-01</b>	<b>2.21E-01</b>

**Table 3b Human Health Risk – Receptors with General Public Diet (Scenario 1)**

Contaminant of Concern	Cancer Slope Factor (mg/kg-d) <sup>-1</sup>	Reference Dose (mg/kg-d)	Dropping from Ships at edge of ZID			Frequent Swimming at edge of Mixing Zone			Frequent Swimming at the Nearest Beach		
			Lifetime Incremental Cancer Risk	Hazard Quotient (adult)	Hazard Quotient (child)	Lifetime Incremental Cancer Risk	Hazard Quotient (adult)	Hazard Quotient (child)	Lifetime Incremental Cancer Risk	Hazard Quotient (adult)	Hazard Quotient (child)
<i>Potential CBPs</i>											
TRC	-	0.1	-	3.88E-07	5.91E-07	-	1.62E-05	2.46E-05	-	8.13E-06	1.24E-05
Bromodichloromethane	6.20 x 10 <sup>-2</sup>	0.02	2.14E-09	1.68E-06	1.85E-06	1.02E-07	8.04E-05	8.83E-05	5.14E-08	4.05E-05	4.44E-05
Chloroform	-	0.01	-	6.26E-07	7.99E-07	-	3.07E-05	3.83E-05	-	1.54E-05	1.93E-05
Dibromochloromethane	8.40 x 10 <sup>-2</sup>	0.02	1.76E-10	9.73E-08	1.27E-07	1.39E-08	7.85E-06	9.42E-06	6.98E-09	3.95E-06	4.74E-06
Chloroacetic acid	-	0.002	-	5.72E-07	9.62E-07	-	2.45E-05	4.08E-05	-	1.23E-05	2.05E-05
Dibromoacetic acid	-	0.02	-	5.28E-08	9.13E-08	-	2.74E-06	4.39E-06	-	1.38E-06	2.21E-06
Dichloroacetic acid	5.00 x 10 <sup>-2</sup>	0.004	9.51E-10	4.16E-06	6.47E-06	4.18E-08	1.84E-04	2.81E-04	2.11E-08	9.27E-05	1.42E-04
Trichloroacetic acid	-	0.04	-	3.20E-07	4.41E-07	-	1.52E-05	2.05E-05	-	7.66E-06	1.03E-05
Tetrachloroethylene	-	0.01	-	5.44E-06	5.94E-06	-	4.99E-04	5.44E-04	-	2.51E-04	2.73E-04
Trichloroethylene	-	0.0238	-	2.03E-06	2.22E-06	-	9.92E-05	1.09E-04	-	4.99E-05	5.46E-05
pentachlorophenol	1.20 x 10 <sup>-1</sup>	0.03	3.65E-08	9.93E-06	1.08E-05	2.09E-06	5.69E-04	6.19E-04	1.05E-06	2.86E-04	3.11E-04
2,4,6-trichlorophenol	1.10 x 10 <sup>-2</sup>	-	3.03E-10	-	-	1.74E-08	-	-	8.74E-09	-	-
a-BHC	6.3	-	1.18E-08	-	-	6.58E-07	-	-	3.31E-07	-	-
b-BHC	1.8	-	6.32E-09	-	-	3.53E-07	-	-	1.78E-07	-	-
g-BHC	-	0.0003	-	1.07E-05	1.19E-05	-	5.96E-04	6.60E-04	-	3.00E-04	3.32E-04
<i>Contaminants present in CEPT Effluent</i>											
Antimony	-	0.0004	-	1.25E-05	1.85E-05	-	7.21E-04	1.10E-03	-	7.09E-04	1.08E-03
Arsenic	1.5	0.0003	6.47E-08	1.30E-04	1.83E-04	3.35E-06	6.57E-03	1.00E-02	3.35E-06	6.57E-03	1.00E-02
Barium	-	0.0003	-	1.33E-03	1.60E-03	-	3.36E-02	5.07E-02	-	3.31E-02	5.00E-02
Chromium III	-	1.5	-	1.09E-08	1.64E-08	-	5.70E-07	8.68E-07	-	4.76E-07	7.25E-07
Lead	-	0.0035	-	4.30E-06	6.56E-06	-	2.76E-04	4.21E-04	-	2.75E-04	4.19E-04
Mercury	-	0.00071	-	1.59E-07	1.68E-07	-	9.21E-07	1.33E-06	-	5.89E-07	8.24E-07
Nickel	-	0.005	-	7.55E-06	1.09E-05	-	3.60E-04	5.49E-04	-	3.16E-04	4.82E-04
Selenium	-	0.004	-	3.84E-07	5.37E-07	-	1.81E-05	2.75E-05	-	1.74E-05	2.64E-05
Silver	-	0.005	-	6.47E-07	9.25E-07	-	2.77E-05	4.21E-05	-	2.16E-05	3.29E-05
Vanadium	-	0.009	-	6.07E-06	9.26E-06	-	3.65E-04	5.56E-04	-	3.41E-04	5.20E-04
Zinc	-	0.3	-	1.81E-06	1.96E-06	-	1.93E-05	2.87E-05	-	1.82E-05	2.70E-05
TCDD (I-TEQ)	1.50E+05	1E-09	5.32E-07	3.51E-03	3.65E-03	2.20E-05	1.44E-01	1.56E-01	2.18E-05	1.42E-01	1.55E-01
Toluene	-	0.08	-	6.91E-07	7.75E-07	-	3.09E-05	3.47E-05	-	1.56E-05	1.75E-05
Malathion	-	0.02	-	1.12E-09	1.48E-09	-	5.84E-08	7.45E-08	-	2.94E-08	3.75E-08
<b>Total</b>			<b>6.55E-07</b>	<b>5.04E-03</b>	<b>5.53E-03</b>	<b>2.87E-05</b>	<b>1.88E-01</b>	<b>2.22E-01</b>	<b>2.68E-05</b>	<b>1.85E-01</b>	<b>2.18E-01</b>

**Table 3c Human Health Risk – Receptors with Fishermen Diet (Scenario 2)**

Contaminant of Concern	Cancer Slope Factor (mg/kg-d) <sup>-1</sup>	Reference Dose (mg/kg-d)	Dropping from Ships at edge of ZID			Frequent Swimming at edge of Mixing Zone			Frequent Swimming at the Nearest Beach		
			Lifetime Incremental Cancer Risk	Hazard Quotient (adult)	Hazard Quotient (child)	Lifetime Incremental Cancer Risk	Hazard Quotient (adult)	Hazard Quotient (child)	Lifetime Incremental Cancer Risk	Hazard Quotient (adult)	Hazard Quotient (child)
<i>Potential CBPs</i>											
TRC	-	0.1	-	4.19E-07	6.40E-07	-	1.72E-05	2.62E-05	-	9.07E-06	9.49E-06
Bromodichloromethane	6.20 x 10 <sup>-2</sup>	0.02	2.32E-09	1.82E-06	2.00E-06	1.09E-07	8.56E-05	9.41E-05	5.74E-08	4.52E-05	1.57E-06
Chloroform	-	0.01	-	6.83E-07	8.70E-07	-	3.27E-05	4.08E-05	-	1.72E-05	2.15E-05
Dibromochloromethane	8.40 x 10 <sup>-2</sup>	0.02	1.93E-10	1.07E-07	1.39E-07	1.48E-08	8.36E-06	1.00E-05	7.79E-09	4.41E-06	5.29E-06
Chloroacetic acid	-	0.002	-	6.20E-07	1.04E-06	-	2.61E-05	4.34E-05	-	1.37E-05	2.29E-05
Dibromoacetic acid	-	0.02	-	5.73E-08	9.89E-08	-	2.92E-06	4.68E-06	-	1.54E-06	2.47E-06
Dichloroacetic acid	5.00 x 10 <sup>-2</sup>	0.004	1.03E-09	4.52E-06	7.01E-06	4.46E-08	1.96E-04	3.00E-04	2.35E-08	1.03E-04	1.58E-04
Trichloroacetic acid	-	0.04	-	3.50E-07	4.81E-07	-	1.62E-05	2.18E-05	-	8.56E-06	1.15E-05
Tetrachloroethylene	-	0.01	-	5.90E-06	6.44E-06	-	5.31E-04	5.79E-04	-	2.80E-04	3.05E-04
Trichloroethylene	-	0.0238	-	2.19E-06	2.40E-06	-	1.06E-04	1.16E-04	-	5.57E-05	6.10E-05
pentachlorophenol	1.20 x 10 <sup>-1</sup>	0.03	3.99E-08	1.08E-05	1.18E-05	2.23E-06	6.06E-04	6.59E-04	1.18E-06	3.20E-04	3.48E-04
2,4,6-trichlorophenol	1.10 x 10 <sup>-2</sup>	-	3.30E-10	-	-	1.85E-08	-	-	9.76E-09	-	-
a-BHC	6.3	-	1.30E-08	-	-	7.01E-07	-	-	3.70E-07	-	-
b-BHC	1.8	-	7.02E-09	-	-	3.76E-07	-	-	1.99E-07	-	-
g-BHC	-	0.0003	-	1.19E-05	1.32E-05	-	6.35E-04	7.03E-04	-	3.35E-04	3.71E-04
<i>Contaminants present in CEPT Effluent</i>											
Antimony	-	0.0004	-	1.39E-05	1.98E-05	-	7.24E-04	1.10E-03	-	7.12E-04	1.08E-03
Arsenic	1.5	0.0003	7.97E-08	1.63E-04	2.17E-04	3.37E-06	6.60E-03	1.00E-02	3.37E-06	6.60E-03	1.00E-02
Barium	-	0.0003	-	2.28E-03	2.55E-03	-	3.46E-02	5.18E-02	-	3.41E-02	5.10E-02
Chromium III	-	1.5	-	1.19E-08	1.76E-08	-	5.82E-07	8.88E-07	-	4.87E-07	7.42E-07
Lead	-	0.0035	-	4.31E-06	6.56E-06	-	2.76E-04	4.21E-04	-	2.75E-04	4.19E-04
Mercury	-	0.00071	-	3.45E-07	3.55E-07	-	1.15E-06	1.58E-06	-	8.13E-07	1.07E-06
Nickel	-	0.005	-	9.21E-06	1.26E-05	-	3.68E-04	5.59E-04	-	3.23E-04	4.91E-04
Selenium	-	0.004	-	4.96E-07	6.51E-07	-	1.83E-05	2.78E-05	-	1.76E-05	2.67E-05
Silver	-	0.005	-	8.15E-07	1.11E-06	-	2.86E-05	4.35E-05	-	2.25E-05	3.41E-05
Vanadium	-	0.009	-	6.16E-06	9.40E-06	-	3.68E-04	5.61E-04	-	3.44E-04	5.24E-04
Zinc	-	0.3	-	3.60E-06	3.76E-06	-	2.13E-05	3.07E-05	-	2.02E-05	2.90E-05
TCDD (I-TEQ)	1.50E+05	1E-09	8.64E-07	5.72E-03	5.87E-03	2.24E-05	1.46E-01	1.58E-01	2.22E-05	1.45E-01	1.57E-01
Toluene	-	0.08	-	7.78E-07	8.69E-07	-	3.30E-05	3.70E-05	-	1.74E-05	1.95E-05
Malathion	-	0.02	-	1.24E-09	1.63E-09	-	6.22E-08	7.93E-08	-	3.28E-08	4.19E-08
<b>Total</b>			<b>1.01E-06</b>	<b>8.24E-03</b>	<b>8.73E-03</b>	<b>2.92E-05</b>	<b>1.91E-01</b>	<b>2.26E-01</b>	<b>2.74E-05</b>	<b>1.88E-01</b>	<b>2.22E-01</b>

**Table 3d Human Health Risk – Receptors with General Public Diet (Scenario 2)**

Contaminant of Concern	Cancer Slope Factor (mg/kg-d) <sup>-1</sup>	Reference Dose (mg/kg-d)	Dropping from Ships at edge of ZID			Frequent Swimming at edge of Mixing Zone			Frequent Swimming at the Nearest Beach		
			Lifetime Incremental Cancer Risk	Hazard Quotient (adult)	Hazard Quotient (child)	Lifetime Incremental Cancer Risk	Hazard Quotient (adult)	Hazard Quotient (child)	Lifetime Incremental Cancer Risk	Hazard Quotient (adult)	Hazard Quotient (child)
<i>Potential CBPs</i>											
TRC	-	0.1	-	4.19E-07	6.40E-07	-	1.72E-05	2.62E-05	-	9.07E-06	9.49E-06
Bromodichloromethane	6.20 x 10 <sup>-2</sup>	0.02	2.32E-09	1.82E-06	2.00E-06	1.09E-07	8.56E-05	9.41E-05	5.74E-08	4.52E-05	1.57E-06
Chloroform	-	0.01	-	6.77E-07	8.64E-07	-	3.27E-05	4.08E-05	-	1.72E-05	2.15E-05
Dibromochloromethane	8.40 x 10 <sup>-2</sup>	0.02	1.91E-10	1.05E-07	1.37E-07	1.48E-08	8.36E-06	1.00E-05	7.79E-09	4.41E-06	5.29E-06
Chloroacetic acid	-	0.002	-	6.19E-07	1.04E-06	-	2.61E-05	4.34E-05	-	1.37E-05	2.29E-05
Dibromoacetic acid	-	0.02	-	5.71E-08	9.88E-08	-	2.92E-06	4.68E-06	-	1.54E-06	2.47E-06
Dichloroacetic acid	5.00 x 10 <sup>-2</sup>	0.004	1.03E-09	4.50E-06	7.00E-06	4.46E-08	1.96E-04	3.00E-04	2.35E-08	1.03E-04	1.58E-04
Trichloroacetic acid	-	0.04	-	3.46E-07	4.77E-07	-	1.62E-05	2.18E-05	-	8.56E-06	1.15E-05
Tetrachloroethylene	-	0.01	-	5.89E-06	6.43E-06	-	5.31E-04	5.79E-04	-	2.80E-04	3.05E-04
Trichloroethylene	-	0.0238	-	2.19E-06	2.40E-06	-	1.06E-04	1.16E-04	-	5.57E-05	6.10E-05
pentachlorophenol	1.20 x 10 <sup>-1</sup>	0.03	3.96E-08	1.07E-05	1.17E-05	2.23E-06	6.06E-04	6.59E-04	1.18E-06	3.19E-04	3.48E-04
2,4,6-trichlorophenol	1.10 x 10 <sup>-2</sup>	-	3.28E-10	-	-	1.85E-08	-	-	9.76E-09	-	-

Contaminant of Concern	Cancer Slope Factor (mg/kg-d) <sup>-1</sup>	Reference Dose (mg/kg-d)	Dropping from Ships at edge of ZID			Frequent Swimming at edge of Mixing Zone			Frequent Swimming at the Nearest Beach		
			Lifetime Incremental Cancer Risk	Hazard Quotient (adult)	Hazard Quotient (child)	Lifetime Incremental Cancer Risk	Hazard Quotient (adult)	Hazard Quotient (child)	Lifetime Incremental Cancer Risk	Hazard Quotient (adult)	Hazard Quotient (child)
a-BHC	6.3	-	1.27E-08	-	-	7.01E-07	-	-	3.70E-07	-	-
b-BHC	1.8	-	6.84E-09	-	-	3.76E-07	-	-	1.98E-07	-	-
g-BHC	-	0.0003	-	1.16E-05	1.29E-05	-	6.34E-04	7.02E-04	-	3.35E-04	3.71E-04
<i>Contaminants present in CEPT Effluent</i>											
Antimony	-	0.0004	-	1.26E-05	1.86E-05	-	7.22E-04	1.10E-03	-	7.10E-04	1.08E-03
Arsenic	1.5	0.0003	6.55E-08	1.32E-04	1.85E-04	3.35248E-06	6.57E-03	1.00E-02	3.35E-06	6.57E-03	1.00E-02
Barium	-	0.0003	-	1.39E-03	1.66E-03	-	3.37E-02	5.09E-02	-	3.32E-02	5.01E-02
Chromium III	-	1.5	-	1.13E-08	1.70E-08	-	5.82E-07	8.87E-07	-	4.87E-07	7.42E-07
Lead	-	0.0035	-	4.30E-06	6.56E-06	-	2.76E-04	4.21E-04	-	2.75E-04	4.19E-04
Mercury	-	0.00071	-	1.80E-07	1.90E-07	-	9.84E-07	1.42E-06	-	6.48E-07	9.04E-07
Nickel	-	0.005	-	7.84E-06	1.12E-05	-	3.66E-04	5.58E-04	-	3.22E-04	4.90E-04
Selenium	-	0.004	-	3.94E-07	5.48E-07	-	1.82E-05	2.77E-05	-	1.75E-05	2.66E-05
Silver	-	0.005	-	6.83E-07	9.75E-07	-	2.85E-05	4.34E-05	-	2.23E-05	3.40E-05
Vanadium	-	0.009	-	6.16E-06	9.40E-06	-	3.68E-04	5.61E-04	-	3.44E-04	5.24E-04
Zinc	-	0.3	-	1.93E-06	2.09E-06	-	1.96E-05	2.90E-05	-	1.85E-05	2.73E-05
TCDD (I-TEQ)	1.50E+05	1E-09	5.51E-07	3.64E-03	3.78E-03	2.20633E-05	1.44E-01	1.56E-01	2.19E-05	1.43E-01	1.55E-01
Toluene	-	0.08	-	7.49E-07	8.40E-07	-	3.30E-05	3.70E-05	-	1.74E-05	1.95E-05
Malathion	-	0.02	-	1.22E-09	1.60E-09	-	6.22E-08	7.93E-08	-	3.28E-08	4.18E-08
<b>Total</b>			<b>6.79E-07</b>	<b>5.23E-03</b>	<b>5.72E-03</b>	<b>2.89E-05</b>	<b>1.88E-01</b>	<b>2.23E-01</b>	<b>2.71E-05</b>	<b>1.85E-01</b>	<b>2.19E-01</b>

**Table 3e Human Health Risk – Receptors with Fishermen Diet (Scenario 3)**

Contaminant of Concern	Cancer Slope Factor (mg/kg-d) <sup>-1</sup>	Reference Dose (mg/kg-d)	Dropping from Ships at edge of ZID			Frequent Swimming at edge of Mixing Zone			Frequent Swimming at the Nearest Beach		
			Lifetime Incremental Cancer Risk	Hazard Quotient (adult)	Hazard Quotient (child)	Lifetime Incremental Cancer Risk	Hazard Quotient (adult)	Hazard Quotient (child)	Lifetime Incremental Cancer Risk	Hazard Quotient (adult)	Hazard Quotient (child)
<i>Potential CBPs</i>											
Bromoform	7.90 x 10 <sup>-3</sup>	0.02	4.86E-10	2.90E-06	3.59E-06	2.53E-08	1.52E-04	1.83E-04	1.33E-08	8.00E-05	9.67E-05
Bromodichloromethane	6.20 x 10 <sup>-2</sup>	0.02	2.32E-09	1.82E-06	2.00E-06	1.09E-07	8.56E-05	9.41E-05	5.74E-08	4.52E-05	4.96E-05
Chloroform	-	0.01	-	2.44E-07	3.11E-07	-	1.17E-05	1.46E-05	-	6.16E-06	7.69E-06
Dibromochloromethane	8.40 x 10 <sup>-2</sup>	0.02	6.18E-10	3.42E-07	4.44E-07	4.73E-08	2.68E-05	3.21E-05	2.49E-08	1.41E-05	1.69E-05
Dibromoacetic acid	-	0.02	-	1.43E-07	2.47E-07	-	7.30E-06	1.17E-05	-	3.85E-06	6.17E-06
Dichloroacetic acid	5.00 x 10 <sup>-2</sup>	0.004	6.74E-11	2.95E-07	4.58E-07	2.91E-09	1.28E-05	1.96E-05	1.54E-09	6.76E-06	1.03E-05
Trichloroacetic acid	-	0.04	-	1.11E-07	1.53E-07	-	5.16E-06	6.93E-06	-	2.72E-06	3.66E-06
Pentachlorophenol	1.20 x 10 <sup>-1</sup>	0.03	3.99E-08	1.08E-05	1.18E-05	2.23E-06	6.06E-04	6.59E-04	1.18E-06	3.20E-04	3.48E-04
a-BHC	6.3	-	1.30E-08	-	-	7.01E-07	-	-	3.70E-07	-	-
b-BHC	1.8	-	7.01E-09	-	-	3.76E-07	-	-	1.99E-07	-	-
g-BHC	-	0.0003	-	1.19E-05	1.32E-05	-	6.35E-04	7.03E-04	-	3.35E-04	3.71E-04
<i>Contaminants present in Secondary Treated Effluent</i>											
Antimony	-	0.0004	-	1.36E-05	1.95E-05	-	7.16E-04	1.09E-03	-	7.08E-04	1.08E-03
Barium	-	0.0003	-	2.27E-03	2.54E-03	-	3.45E-02	5.17E-02	-	3.40E-02	5.10E-02
Chromium III	-	1.5	-	8.94E-09	1.32E-08	-	4.72E-07	7.19E-07	-	4.29E-07	6.53E-07
Nickel	-	0.005	-	8.47E-06	1.16E-05	-	3.46E-04	5.26E-04	-	3.11E-04	4.74E-04
Selenium	-	0.004	-	4.50E-07	5.90E-07	-	1.71E-05	2.60E-05	-	1.69E-05	2.58E-05
Silver	-	0.005	-	3.90E-07	5.29E-07	-	1.66E-05	2.52E-05	-	1.61E-05	2.44E-05
Vanadium	-	0.009	-	6.23E-06	9.50E-06	-	3.71E-04	5.65E-04	-	3.45E-04	5.26E-04
Zinc	-	0.3	-	3.06E-06	3.19E-06	-	1.89E-05	2.74E-05	-	1.87E-05	2.70E-05
TCDD	1.50E+05	1E-09	8.38E-07	5.61E-03	5.75E-03	2.21E-05	1.44E-01	1.56E-01	2.20E-05	1.44E-01	1.56E-01
Malathion	-	0.02	-	5.99E-10	7.88E-10	-	3.01E-08	3.84E-08	-	1.59E-08	2.03E-08
<b>Total</b>			<b>9.01E-07</b>	<b>7.94E-03</b>	<b>8.37E-03</b>	<b>2.56E-05</b>	<b>1.82E-01</b>	<b>2.12E-01</b>	<b>2.39E-05</b>	<b>1.80E-01</b>	<b>2.10E-01</b>

**Table 3f Human Health Risk – Receptors with General Public Diet (Scenario 3)**

Contaminant of Concern	Cancer Slope Factor (mg/kg-d) <sup>-1</sup>	Reference Dose (mg/kg-d)	Dropping from Ships at edge of ZID			Frequent Swimming at edge of Mixing Zone			Frequent Swimming at the Nearest Beach		
			Lifetime Incremental Cancer Risk	Hazard Quotient (adult)	Hazard Quotient (child)	Lifetime Incremental Cancer Risk	Hazard Quotient (adult)	Hazard Quotient (child)	Lifetime Incremental Cancer Risk	Hazard Quotient (adult)	Hazard Quotient (child)
<i>Potential CBPs</i>											
Bromoform	7.90 x 10 <sup>-3</sup>	0.02	4.80E-10	2.86E-06	3.56E-06	2.52E-08	1.52E-04	1.83E-04	1.33E-08	8.00E-05	9.67E-05
Bromodichloromethane	6.20 x 10 <sup>-2</sup>	0.02	2.32E-09	1.82E-06	2.00E-06	1.09E-07	8.56E-05	9.41E-05	5.74E-08	4.52E-05	4.96E-05
Chloroform	-	0.01	-	2.42E-07	3.09E-07	-	1.17E-05	1.46E-05	-	6.16E-06	7.69E-06
Dibromochloromethane	8.40 x 10 <sup>-2</sup>	0.02	6.10E-10	3.37E-07	4.39E-07	4.73E-08	2.68E-05	3.21E-05	2.49E-08	1.41E-05	1.69E-05
Dibromoacetic acid	-	0.02	-	1.43E-07	2.47E-07	-	7.30E-06	1.17E-05	-	3.85E-06	6.17E-06
Dichloroacetic acid	5.00 x 10 <sup>-2</sup>	0.004	6.72E-11	2.94E-07	4.57E-07	2.91E-09	1.28E-05	1.96E-05	1.54E-09	6.76E-06	1.03E-05
Trichloroacetic acid	-	0.04	-	1.10E-07	1.52E-07	-	5.16E-06	6.93E-06	-	2.72E-06	3.66E-06
Pentachlorophenol	1.20 x 10 <sup>-1</sup>	0.03	3.96E-08	1.07E-05	1.17E-05	2.23E-06	6.06E-04	6.59E-04	1.18E-06	3.19E-04	3.48E-04
a-BHC	6.3	-	1.27E-08	-	-	7.01E-07	-	-	3.70E-07	-	-
b-BHC	1.8	-	6.84E-09	-	-	3.76E-07	-	-	1.98E-07	-	-
g-BHC	-	0.0003	-	1.16E-05	1.29E-05	-	6.34E-04	7.02E-04	-	3.35E-04	3.71E-04
<i>Contaminants present in Secondary Treated Effluent</i>											
Antimony	-	0.0004	-	1.24E-05	1.83E-05	-	7.15E-04	1.09E-03	-	7.06E-04	1.08E-03
Barium	-	0.0003	-	1.38E-03	1.65E-03	-	3.36E-02	5.08E-02	-	3.31E-02	5.01E-02
Chromium III	-	1.5	-	8.52E-09	1.28E-08	-	4.71E-07	7.19E-07	-	4.28E-07	6.53E-07
Nickel	-	0.005	-	7.21E-06	1.03E-05	-	3.45E-04	5.25E-04	-	3.10E-04	4.72E-04
Selenium	-	0.004	-	3.57E-07	4.97E-07	-	1.70E-05	2.59E-05	-	1.69E-05	2.57E-05
Silver	-	0.005	-	3.27E-07	4.66E-07	-	1.65E-05	2.52E-05	-	1.60E-05	2.44E-05
Vanadium	-	0.009	-	6.23E-06	9.50E-06	-	3.71E-04	5.65E-04	-	3.45E-04	5.26E-04
Zinc	-	0.3	-	1.64E-06	1.77E-06	-	1.75E-05	2.59E-05	-	1.73E-05	2.56E-05
TCDD	1.50E+05	1E-09	5.40E-07	3.57E-03	3.71E-03	2.18E-05	1.42E-01	1.54E-01	2.17E-05	1.42E-01	1.54E-01
Malathion	-	0.02	-	5.88E-10	7.76E-10	-	3.01E-08	3.84E-08	-	1.59E-08	2.02E-08
<b>Total</b>			<b>6.03E-07</b>	<b>5.00E-03</b>	<b>5.43E-03</b>	<b>2.53E-05</b>	<b>1.79E-01</b>	<b>2.09E-01</b>	<b>2.36E-05</b>	<b>1.77E-01</b>	<b>2.07E-01</b>