

1999 NTI/TRI Data - Shipbuilding & Ship Repair Residual Risk					
Facility #	Facility	City	State	Pollutant	(TPY)
1	AVONDALE IND., INC.	Avondale	LA	Chromium Compounds	0.015
1	AVONDALE IND., INC.	Avondale	LA	Dibutyl Phthalate	1.552
1	AVONDALE IND., INC.	Avondale	LA	Ethylbenzene	4.0935
1	AVONDALE IND., INC.	Avondale	LA	Glycol Ethers	8.235
1	AVONDALE IND., INC.	Avondale	LA	Manganese Compounds	0.952
1	AVONDALE IND., INC.	Avondale	LA	Methanol	0.7985
1	AVONDALE IND., INC.	Avondale	LA	Methyl Ethyl Ketone (2-Butanone)	0.0305
1	AVONDALE IND., INC.	Avondale	LA	Methyl Isobutyl Ketone (Hexone)	0.475
1	AVONDALE IND., INC.	Avondale	LA	Nickel Compounds	0.0095
1	AVONDALE IND., INC.	Avondale	LA	Toluene	0.3635
1	AVONDALE IND., INC.	Avondale	LA	Xylenes (Mixed Isomers)	21.0055
1	AVONDALE IND., INC.	Avondale	LA	1,2,4 - Trimethylbenzene	21.05
2	BATH IRON WORKS	Bath	ME	Chromium Compounds	0.0275
2	BATH IRON WORKS	Bath	ME	Manganese Compounds	0.0815
2	BATH IRON WORKS	Bath	ME	Nickel Compounds	0.0235
2	BATH IRON WORKS	Bath	ME	Xylenes (Mixed Isomers)	2.5495
2	BATH IRON WORKS	Bath	ME	Copper Compounds	0.06
2	BATH IRON WORKS	Bath	ME	1,2,4 - Trimethylbenzene	11.87
3	CASCADE GENERAL INC.	Portland	OR	Xylenes (Mixed Isomers)	5.9085
4	ELECTRIC BOAT CORP	Groton	CT	Lead Compounds	0.0325
5	INGALLS SHIPBUILDING	Pascagoula	MS	Carbon Tetrachloride	0.0438
5	INGALLS SHIPBUILDING	Pascagoula	MS	Chlorobenzene	0.0438
5	INGALLS SHIPBUILDING	Pascagoula	MS	Ethylbenzene	0.03
5	INGALLS SHIPBUILDING	Pascagoula	MS	Ethylene Dichloride (1,2-Dichloroethane)	0.0438
5	INGALLS SHIPBUILDING	Pascagoula	MS	Ethylene Glycol	2.9375
5	INGALLS SHIPBUILDING	Pascagoula	MS	Formaldehyde	0.0438
5	INGALLS SHIPBUILDING	Pascagoula	MS	Hexane	0.1752
5	INGALLS SHIPBUILDING	Pascagoula	MS	Methanol	0.3504
5	INGALLS SHIPBUILDING	Pascagoula	MS	Methyl Chloride (Chloromethane)	12.5268
5	INGALLS SHIPBUILDING	Pascagoula	MS	Methyl Chloroform (1,1,1-Trichloroethane)	10.7748
5	INGALLS SHIPBUILDING	Pascagoula	MS	Methyl Ethyl Ketone (2-Butanone)	1.314
5	INGALLS SHIPBUILDING	Pascagoula	MS	Methyl Isobutyl Ketone (Hexone)	0.5256
5	INGALLS SHIPBUILDING	Pascagoula	MS	Tetrachloroethylene (Perchloroethylene)	0.0438

Facility #	Facility	City	State	Pollutant	(TPY)
5	INGALLS SHIPBUILDING	Pascagoula	MS	Toluene	2.5842
5	INGALLS SHIPBUILDING	Pascagoula	MS	Toluene	4.185
5	INGALLS SHIPBUILDING	Pascagoula	MS	Toluene	4.185
5	INGALLS SHIPBUILDING	Pascagoula	MS	m-xylene	7.227
5	INGALLS SHIPBUILDING	Pascagoula	MS	m-xylene	8.31
5	INGALLS SHIPBUILDING	Pascagoula	MS	m-xylene	8.31
5	INGALLS SHIPBUILDING	Pascagoula	MS	Copper Compounds	1.25
5	INGALLS SHIPBUILDING	Pascagoula	MS	Chromium Compounds	0.09
5	INGALLS SHIPBUILDING	Pascagoula	MS	Manganese Compounds	0.27
5	INGALLS SHIPBUILDING	Pascagoula	MS	Nickel Compounds	0.15
5	INGALLS SHIPBUILDING	Pascagoula	MS	1,2,4 - Trimethylbenzene	29.73
5	INGALLS SHIPBUILDING	Pascagoula	MS	Ethylbenzene	5.45
6	JEFFBOAT	Jeffersonville	IN	Chromium Compounds	0.015
6	JEFFBOAT	Jeffersonville	IN	Ethylbenzene	1.647
6	JEFFBOAT	Jeffersonville	IN	Ethylene Glycol	0.072
6	JEFFBOAT	Jeffersonville	IN	Manganese Compounds	1.6185
6	JEFFBOAT	Jeffersonville	IN	Methanol	1.102
6	JEFFBOAT	Jeffersonville	IN	Methyl Ethyl Ketone (2-Butanone)	30.35
6	JEFFBOAT	Jeffersonville	IN	Nickel Compounds	0.018
6	JEFFBOAT	Jeffersonville	IN	Toluene	0.009
6	JEFFBOAT	Jeffersonville	IN	Xylenes (Mixed Isomers)	8.776
7	NASSCO - 1st data set	San Diego	CA	acetaldehyde	0.000374576
7	NASSCO - 1st data set	San Diego	CA	arsenic	6.00363E-06
7	NASSCO - 1st data set	San Diego	CA	benzene	0.001285507
7	NASSCO - 1st data set	San Diego	CA	beryllium	4.43062E-06
7	NASSCO - 1st data set	San Diego	CA	cadmium	4.43062E-06
7	NASSCO - 1st data set	San Diego	CA	chromium	4.43062E-06
7	NASSCO - 1st data set	San Diego	CA	formaldehyde	0.000157949
7	NASSCO - 1st data set	San Diego	CA	lead	1.28373E-05
7	NASSCO - 1st data set	San Diego	CA	manganese	8.79053E-06
7	NASSCO - 1st data set	San Diego	CA	mercury	4.43366E-06
7	NASSCO - 1st data set	San Diego	CA	POM	0.000597052
7	NASSCO - 2nd data set	San Diego	CA	Acetaldehyde	0.000374576
7	NASSCO - 2nd data set	San Diego	CA	Cadmium Compounds	0.00090201
7	NASSCO - 2nd data set	San Diego	CA	Chromium Compounds	0.008779469
7	NASSCO - 2nd data set	San Diego	CA	Chromium Compounds	0.005466575

Facility #	Facility	City	State	Pollutant	(TPY)
7	NASSCO - 2nd data set	San Diego	CA	Chromium Compounds	0.000972563
7	NASSCO - 2nd data set	San Diego	CA	Chromium (VI)	0.003709543
7	NASSCO - 2nd data set	San Diego	CA	Cobalt Compounds	0.000276938
7	NASSCO - 2nd data set	San Diego	CA	Cobalt Compounds	0.000002491
7	NASSCO - 2nd data set	San Diego	CA	Dibutyl Phthalate	0.0190944
7	NASSCO - 2nd data set	San Diego	CA	Ethylbenzene	0.006468
7	NASSCO - 2nd data set	San Diego	CA	Ethylbenzene	1.41460295
7	NASSCO - 2nd data set	San Diego	CA	Glycol Ethers	0.081965
7	NASSCO - 2nd data set	San Diego	CA	Lead Compounds	0.000786496
7	NASSCO - 2nd data set	San Diego	CA	lead	3.84392E-07
7	NASSCO - 2nd data set	San Diego	CA	Manganese Compounds	0.008779469
7	NASSCO - 2nd data set	San Diego	CA	manganese	0.0002385
7	NASSCO - 2nd data set	San Diego	CA	manganese	0.522754236
7	NASSCO - 2nd data set	San Diego	CA	Methanol	0.356258385
7	NASSCO - 2nd data set	San Diego	CA	Methyl Chloroform (1,1,1-Trichloroethane)	0.0229425
7	NASSCO - 2nd data set	San Diego	CA	Methyl Ethyl Ketone (2-Butanone)	0.109956
7	NASSCO - 2nd data set	San Diego	CA	Methyl Isobutyl Ketone (Hexone)	0.2414674
7	NASSCO - 2nd data set	San Diego	CA	Nickel Compounds	0.008779469
7	NASSCO - 2nd data set	San Diego	CA	nickel	0.017921207
7	NASSCO - 2nd data set	San Diego	CA	Phenol	0.002784
7	NASSCO - 2nd data set	San Diego	CA	Toluene	0.122892
7	NASSCO - 2nd data set	San Diego	CA	Xylenes (Mixed Isomers)	0.025872
7	NASSCO - 2nd data set	San Diego	CA	Xylenes (Mixed Isomers)	5.820946073
7	NASSCO	San Diego	CA	Copper Compounds	0.16
7	NASSCO	San Diego	CA	1,2,4 - Trimethylbenzene	21.12
8	Newport News Shipbuilding	Newport News	VA	Chromium Compounds	0.01
8	Newport News Shipbuilding	Newport News	VA	Ethylbenzene	20.05
8	Newport News Shipbuilding	Newport News	VA	Lead Compounds	0.1
8	Newport News Shipbuilding	Newport News	VA	Manganese Compounds	0.36
8	Newport News Shipbuilding	Newport News	VA	Methyl Chloroform (1,1,1-Trichloroethane)	1.87
8	Newport News Shipbuilding	Newport News	VA	Methylene Chloride (Dichloromethane)	0.5
8	Newport News Shipbuilding	Newport News	VA	Nickel Compounds	0.11
8	Newport News Shipbuilding	Newport News	VA	Trichloroethylene	2.31
8	Newport News Shipbuilding	Newport News	VA	Xylenes (Mixed Isomers)	23.9
8	Newport News Shipbuilding	Newport News	VA	Copper Compounds	0.04
9	Norfolk Naval Shipyard	Norfolk	VA	acetaldehyde	0.0000880

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9	Norfolk Naval Shipyard	Norfolk	VA	arsenic	0.0000014
9	Norfolk Naval Shipyard	Norfolk	VA	benzene	0.0003027
9	Norfolk Naval Shipyard	Norfolk	VA	beryllium	0.0000010
9	Norfolk Naval Shipyard	Norfolk	VA	cadmium	0.0000010
9	Norfolk Naval Shipyard	Norfolk	VA	chromium	0.0000010
9	Norfolk Naval Shipyard	Norfolk	VA	formaldehyde	0.0000349
9	Norfolk Naval Shipyard	Norfolk	VA	lead	0.0000030
9	Norfolk Naval Shipyard	Norfolk	VA	manganese	0.0000021
9	Norfolk Naval Shipyard	Norfolk	VA	mercury	0.0000010
9	Norfolk Naval Shipyard	Norfolk	VA	POM	0.0001406
9	Norfolk Naval Shipyard	Norfolk	VA	Xylenes (Mixed Isomers)	11.9
9	Norfolk Naval Shipyard	Norfolk	VA	Copper Compounds	0.21
10	NORSHIPCO	Norfolk	VA	Chromium Compounds	0.7085
10	NORSHIPCO	Norfolk	VA	Ethylbenzene	5.5885
10	NORSHIPCO	Norfolk	VA	Lead Compounds	none
10	NORSHIPCO	Norfolk	VA	Copper Compunds	14.19
10	NORSHIPCO	Norfolk	VA	1,2,4 - Trimethylbenzene	5.2

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Facility #	Facility	Pollutant	NTI (TPY)
1	AVONDALE IND., INC.	1,2,4 - Trimethylbenzene	2.11E+01
2	BATH IRON WORKS	1,2,4 - Trimethylbenzene	1.19E+01
5	INGALLS SHIPBUILDING	1,2,4 - Trimethylbenzene	2.97E+01
7	NASSCO	1,2,4 - Trimethylbenzene	2.11E+01
10	NORSHIPCO	1,2,4 - Trimethylbenzene	5.20E+00
7	NASSCO - 1st data set	Acetaldehyde	3.75E-04
7	NASSCO - 2nd data set	Acetaldehyde	3.75E-04
9	Norfolk Naval Shipyard	Acetaldehyde	8.80E-05
7	NASSCO - 1st data set	Arsenic compounds	6.00E-06
9	Norfolk Naval Shipyard	Arsenic compounds	1.41E-06
7	NASSCO - 1st data set	Benzene	1.29E-03
9	Norfolk Naval Shipyard	Benzene	3.03E-04
7	NASSCO - 1st data set	Beryllium compounds	4.43E-06
9	Norfolk Naval Shipyard	Beryllium compounds	1.04E-06
7	NASSCO - 1st data set	Cadmium compounds	4.43E-06
9	Norfolk Naval Shipyard	Cadmium compounds	1.04E-06
7	NASSCO - 2nd data set	Cadmium compounds	9.02E-04
5	INGALLS SHIPBUILDING	Carbon Tetrachloride	4.38E-02
5	INGALLS SHIPBUILDING	Chlorobenzene	4.38E-02
7	NASSCO - 1st data set	Chromium compounds	4.43E-06
9	Norfolk Naval Shipyard	Chromium compounds	1.04E-06
7	NASSCO - 2nd data set	Chromium (VI)	3.71E-03
1	AVONDALE IND., INC.	Chromium compounds	1.50E-02
2	BATH IRON WORKS	Chromium compounds	2.75E-02
5	INGALLS SHIPBUILDING	Chromium compounds	9.00E-02
6	JEFFBOAT	Chromium compounds	1.50E-02
7	NASSCO - 2nd data set	Chromium compounds	8.78E-03
7	NASSCO - 2nd data set	Chromium compounds	5.47E-03
7	NASSCO - 2nd data set	Chromium compounds	9.73E-04
8	Newport News Shipbuilding	Chromium compounds	1.00E-02
10	NORSHIPCO	Chromium compounds	7.09E-01
7	NASSCO - 2nd data set	Cobalt compounds	2.77E-04
7	NASSCO - 2nd data set	Cobalt compounds	2.49E-06
2	BATH IRON WORKS	Copper compounds	6.00E-02
5	INGALLS SHIPBUILDING	Copper compounds	1.25E+00
7	NASSCO	Copper compounds	1.60E-01
8	Newport News Shipbuilding	Copper compounds	4.00E-02
9	Norfolk Naval Shipyard	Copper compounds	2.10E-01
10	NORSHIPCO	Copper Compunds	1.42E+01
1	AVONDALE IND., INC.	Dibutyl Phthalate	1.55E+00
7	NASSCO - 2nd data set	Dibutyl Phthalate	1.91E-02
1	AVONDALE IND., INC.	Ethylbenzene	4.09E+00
5	INGALLS SHIPBUILDING	Ethylbenzene	3.00E-02
5	INGALLS SHIPBUILDING	Ethylbenzene	5.45E+00
6	JEFFBOAT	Ethylbenzene	1.65E+00
7	NASSCO - 2nd data set	Ethylbenzene	6.47E-03
7	NASSCO - 2nd data set	Ethylbenzene	1.41E+00
8	Newport News Shipbuilding	Ethylbenzene	2.01E+01
10	NORSHIPCO	Ethylbenzene	5.59E+00

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Facility #	Facility	Pollutant	NTI (TPY)
5	INGALLS SHIPBUILDING	Ethylene dichloride (1,2-Dichloroeth	4.38E-02
5	INGALLS SHIPBUILDING	Ethylene glycol	2.94E+00
6	JEFFBOAT	Ethylene glycol	7.20E-02
5	INGALLS SHIPBUILDING	Formaldehyde	4.38E-02
7	NASSCO - 1st data set	Formaldehyde	1.58E-04
9	Norfolk Naval Shipyard	Formaldehyde	3.49E-05
1	AVONDALE IND., INC.	Glycol ethers	8.24E+00
7	NASSCO - 2nd data set	Glycol ethers	8.20E-02
5	INGALLS SHIPBUILDING	Hexane	1.75E-01
7	NASSCO - 1st data set	Lead compounds	1.28E-05
7	NASSCO - 2nd data set	Lead compounds	3.84E-07
9	Norfolk Naval Shipyard	Lead compounds	3.02E-06
4	ELECTRIC BOAT CORP	Lead compounds	3.25E-02
7	NASSCO - 2nd data set	Lead compounds	7.86E-04
8	Newport News Shipbuilding	Lead compounds	1.00E-01
10	NORSHIPCO	Lead compounds	none
7	NASSCO - 1st data set	Manganese compounds	8.79E-06
7	NASSCO - 2nd data set	Manganese compounds	2.39E-04
7	NASSCO - 2nd data set	Manganese compounds	5.23E-01
9	Norfolk Naval Shipyard	Manganese compounds	2.07E-06
1	AVONDALE IND., INC.	Manganese compounds	9.52E-01
2	BATH IRON WORKS	Manganese compounds	8.15E-02
5	INGALLS SHIPBUILDING	Manganese compounds	2.70E-01
6	JEFFBOAT	Manganese compounds	1.62E+00
7	NASSCO - 2nd data set	Manganese compounds	8.78E-03
8	Newport News Shipbuilding	Manganese compounds	3.60E-01
7	NASSCO - 1st data set	Mercury compounds	4.43E-06
9	Norfolk Naval Shipyard	Mercury compounds	1.04E-06
1	AVONDALE IND., INC.	Methanol	7.99E-01
5	INGALLS SHIPBUILDING	Methanol	3.50E-01
6	JEFFBOAT	Methanol	1.10E+00
7	NASSCO - 2nd data set	Methanol	3.56E-01
5	INGALLS SHIPBUILDING	Methyl Chloride (Chloromethane)	1.25E+01
5	INGALLS SHIPBUILDING	Methyl Chloroform (1,1,1-Trichloro	1.08E+01
7	NASSCO - 2nd data set	Methyl Chloroform (1,1,1-Trichloro	2.29E-02
8	Newport News Shipbuilding	Methyl Chloroform (1,1,1-Trichloro	1.87E+00
1	AVONDALE IND., INC.	Methyl Ethyl Ketone (2-Butanone)	3.05E-02
5	INGALLS SHIPBUILDING	Methyl Ethyl Ketone (2-Butanone)	1.31E+00
6	JEFFBOAT	Methyl Ethyl Ketone (2-Butanone)	3.04E+01
7	NASSCO - 2nd data set	Methyl Ethyl Ketone (2-Butanone)	1.10E-01
1	AVONDALE IND., INC.	Methyl Isobutyl Ketone (Hexone)	4.75E-01
5	INGALLS SHIPBUILDING	Methyl Isobutyl Ketone (Hexone)	5.26E-01
7	NASSCO - 2nd data set	Methyl Isobutyl Ketone (Hexone)	2.41E-01
8	Newport News Shipbuilding	Methylene Chloride (Dichlorometha	5.00E-01
5	INGALLS SHIPBUILDING	m-Xylene	7.23E+00
5	INGALLS SHIPBUILDING	m-Xylene	8.31E+00
5	INGALLS SHIPBUILDING	m-Xylene	8.31E+00
7	NASSCO - 2nd data set	Nickel compounds	1.79E-02
1	AVONDALE IND., INC.	Nickel compounds	9.50E-03

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Facility #	Facility	Pollutant	NTI (TPY)
2	BATH IRON WORKS	Nickel compounds	2.35E-02
5	INGALLS SHIPBUILDING	Nickel compounds	1.50E-01
6	JEFFBOAT	Nickel compounds	1.80E-02
7	NASSCO - 2nd data set	Nickel compounds	8.78E-03
8	Newport News Shipbuilding	Nickel compounds	1.00E-01
7	NASSCO - 2nd data set	Phenol	2.78E-03
7	NASSCO - 1st data set	POM	5.97E-04
9	Norfolk Naval Shipyard	POM	1.41E-04
5	INGALLS SHIPBUILDING	Tetrachloroethylene (Perchloroethylene)	4.38E-02
1	AVONDALE IND., INC.	Toluene	3.64E-01
5	INGALLS SHIPBUILDING	Toluene	2.58E+00
5	INGALLS SHIPBUILDING	Toluene	4.19E+00
5	INGALLS SHIPBUILDING	Toluene	4.19E+00
6	JEFFBOAT	Toluene	9.00E-03
7	NASSCO - 2nd data set	Toluene	1.23E-01
8	Newport News Shipbuilding	Trichloroethylene	2.31E+00
1	AVONDALE IND., INC.	Xylenes (Mixed Isomers)	2.10E+01
2	BATH IRON WORKS	Xylenes (Mixed Isomers)	2.55E+00
3	CASCADE GENERAL INC.	Xylenes (Mixed Isomers)	5.91E+00
6	JEFFBOAT	Xylenes (Mixed Isomers)	8.78E+00
7	NASSCO - 2nd data set	Xylenes (Mixed Isomers)	2.59E-02
7	NASSCO - 2nd data set	Xylenes (Mixed Isomers)	5.82E+00
8	Newport News Shipbuilding	Xylenes (Mixed Isomers)	2.39E+01
9	Norfolk Naval Shipyard	Xylenes (Mixed Isomers)	1.19E+01

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Facility #	Facility	EMISSIONS			DOSE RESPONSE VALUES			EMISSIONS FOR CHRONIC	
		Pollutant	(TPY)	NTI (KG/YR)	RfC(mg/m3)	RfC(ug/m3)	URE(1/ug/m3)	CANCER	NONCANCER
1	AVONDALE IND., INC.	Chromium compounds	1.500E-02	1.36E+01	1.00E-04	1.00E-01	1.20E-02	1.63E-01	1.36E+02
1	AVONDALE IND., INC.	EthylBenzene	4.094E+00	3.71E+03	1.00E+00	1.00E+03	0.00E+00	0.00E+00	3.71E+00
1	AVONDALE IND., INC.	Glycol ethers	8.235E+00	7.47E+03	2.00E-02	2.00E+01	0.00E+00	0.00E+00	3.74E+02
1	AVONDALE IND., INC.	Manganese compounds	9.520E-01	8.64E+02	5.00E-05	5.00E-02	0.00E+00	0.00E+00	1.73E+04
1	AVONDALE IND., INC.	Methanol	7.985E-01	7.24E+02	4.00E+00	4.00E+03	0.00E+00	0.00E+00	1.81E-01
1	AVONDALE IND., INC.	Methyl Ethyl Ketone (2-B	3.050E-02	2.77E+01	1.00E+00	1.00E+03	0.00E+00	0.00E+00	2.77E-02
1	AVONDALE IND., INC.	Methyl Isobutyl Ketone (H	4.750E-01	4.31E+02	8.00E-02	8.00E+01	0.00E+00	0.00E+00	5.39E+00
1	AVONDALE IND., INC.	Nickel compounds	9.500E-03	8.62E+00	2.00E-04	2.00E-01	3.12E-04	2.69E-03	4.31E+01
1	AVONDALE IND., INC.	Toluene	3.635E-01	3.30E+02	4.00E-01	4.00E+02	0.00E+00	0.00E+00	8.24E-01
1	AVONDALE IND., INC.	Xylenes (Mixed Isomers)	2.101E+01	1.91E+04	4.30E-01	4.30E+02	0.00E+00	0.00E+00	4.43E+01
				3.26E+04			TOTAL	1.66E-01	1.79E+04
2	BATH IRON WORKS	Chromium compounds	2.750E-02	2.49E+01	1.00E-04	1.00E-01	1.20E-02	2.99E-01	2.49E+02
2	BATH IRON WORKS	Manganese compounds	8.150E-02	7.39E+01	5.00E-05	5.00E-02	0.00E+00	0.00E+00	1.48E+03
2	BATH IRON WORKS	Nickel compounds	2.350E-02	2.13E+01	2.00E-04	2.00E-01	3.12E-04	6.65E-03	1.07E+02
2	BATH IRON WORKS	Xylenes (Mixed Isomers)	2.550E+00	2.31E+03	4.30E-01	4.30E+02	0.00E+00	0.00E+00	5.38E+00
				2.43E+03			TOTAL	3.06E-01	1.84E+03
3	CASCADE GENERAL INC.	Xylenes (Mixed Isomers)	5.909E+00	5.36E+03	4.30E-01	4.30E+02	0.00E+00	0.00E+00	1.25E+01
				5.36E+03			TOTAL	0.00E+00	1.25E+01
4	ELECTRIC BOAT CORP	Lead compounds	3.250E-02	2.95E+01	1.50E+00	1.50E+03	1.20E-05	3.54E-04	1.97E-02
				2.95E+01			TOTAL	3.54E-04	1.97E-02
5	INGALLS SHIPBUILDING	Carbon Tetrachloride	4.380E-02	3.97E+01	4.00E-02	4.00E+01	1.50E-05	5.96E-04	9.93E-01
5	INGALLS SHIPBUILDING	ChloroBenzene	4.380E-02	3.97E+01	1.00E+00	1.00E+03	0.00E+00	0.00E+00	3.97E-02
5	INGALLS SHIPBUILDING	Chromium compounds	9.000E-02	8.16E+01	1.00E-04	1.00E-01	1.20E-02	9.80E-01	8.16E+02
5	INGALLS SHIPBUILDING	EthylBenzene	3.000E-02	2.72E+01	1.00E+00	1.00E+03	0.00E+00	0.00E+00	2.72E-02
5	INGALLS SHIPBUILDING	EthylBenzene	5.450E+00	4.94E+03	1.00E+00	1.00E+03	0.00E+00	0.00E+00	4.94E+00
5	INGALLS SHIPBUILDING	Ethylene Dichloride (1,2-D	4.380E-02	3.97E+01	2.40E+00	2.40E+03	2.60E-05	1.03E-03	1.66E-02
5	INGALLS SHIPBUILDING	Ethylene Glycol	2.938E+00	2.66E+03	4.00E-01	4.00E+02	0.00E+00	0.00E+00	6.66E+00
5	INGALLS SHIPBUILDING	Formaldehyde	4.380E-02	3.97E+01	9.80E-03	9.80E+00	1.30E-05	5.17E-04	4.05E+00
5	INGALLS SHIPBUILDING	Hexane	1.752E-01	1.59E+02	2.00E-01	2.00E+02	0.00E+00	0.00E+00	7.95E-01
5	INGALLS SHIPBUILDING	Manganese compounds	2.700E-01	2.45E+02	5.00E-05	5.00E-02	0.00E+00	0.00E+00	4.90E+03
5	INGALLS SHIPBUILDING	Methanol	3.504E-01	3.18E+02	4.00E+00	4.00E+03	0.00E+00	0.00E+00	7.95E-02
5	INGALLS SHIPBUILDING	Methyl Chloride (Chloron	1.253E+01	1.14E+04	9.00E-02	9.00E+01	0.00E+00	0.00E+00	1.26E+02
5	INGALLS SHIPBUILDING	Methyl Chloroform (1,1,1	1.077E+01	9.77E+03	1.00E+00	1.00E+03	0.00E+00	0.00E+00	9.77E+00
5	INGALLS SHIPBUILDING	Methyl Ethyl Ketone (2-B	1.314E+00	1.19E+03	1.00E+00	1.00E+03	0.00E+00	0.00E+00	1.19E+00
5	INGALLS SHIPBUILDING	Methyl Isobutyl Ketone (H	5.256E-01	4.77E+02	8.00E-02	8.00E+01	0.00E+00	0.00E+00	5.96E+00
5	INGALLS SHIPBUILDING	Nickel compounds	1.500E-01	1.36E+02	2.00E-04	2.00E-01	3.12E-04	4.25E-02	6.80E+02
5	INGALLS SHIPBUILDING	Tetrachloroethylene (Perc	4.380E-02	3.97E+01	2.70E-01	2.70E+02	5.90E-06	2.34E-04	1.47E-01
5	INGALLS SHIPBUILDING	Toluene	2.584E+00	2.34E+03	4.00E-01	4.00E+02	0.00E+00	0.00E+00	5.86E+00

1999 NTI/TRI Data - Shipbuilding & Ship Repair Residual Risk									
Facility #	Facility	EMISSIONS			DOSE RESPONSE VALUES			EMISSIONS FOR CHRONIC	
		Pollutant	(TPY)	NTI (KG/YR)	RfC(mg/m3)	RfC(ug/m3)	URE(1/ug/m3)	CANCER	NONCANCER
5	INGALLS SHIPBUILDING	Toluene	4.185E+00	3.80E+03	4.00E-01	4.00E+02	0.00E+00	0.00E+00	9.49E+00
5	INGALLS SHIPBUILDING	Toluene	4.185E+00	3.80E+03	4.00E-01	4.00E+02	0.00E+00	0.00E+00	9.49E+00
				4.15E+04			TOTAL	1.02E+00	6.58E+03
6	JEFFBOAT	Chromium compounds	1.500E-02	1.36E+01	1.00E-04	1.00E-01	1.20E-02	1.63E-01	1.36E+02
6	JEFFBOAT	EthylBenzene	1.647E+00	1.49E+03	1.00E+00	1.00E+03	0.00E+00	0.00E+00	1.49E+00
6	JEFFBOAT	Ethylene Glycol	7.200E-02	6.53E+01	4.00E-01	4.00E+02	0.00E+00	0.00E+00	1.63E-01
6	JEFFBOAT	Manganese compounds	1.619E+00	1.47E+03	5.00E-05	5.00E-02	0.00E+00	0.00E+00	2.94E+04
6	JEFFBOAT	Methanol	1.102E+00	1.00E+03	4.00E+00	4.00E+03	0.00E+00	0.00E+00	2.50E-01
6	JEFFBOAT	Methyl Ethyl Ketone (2-B	3.035E+01	2.75E+04	1.00E+00	1.00E+03	0.00E+00	0.00E+00	2.75E+01
6	JEFFBOAT	Nickel compounds	1.800E-02	1.63E+01	2.00E-04	2.00E-01	3.12E-04	5.09E-03	8.16E+01
6	JEFFBOAT	Toluene	9.000E-03	8.16E+00	4.00E-01	4.00E+02	0.00E+00	0.00E+00	2.04E-02
6	JEFFBOAT	Xylenes (Mixed Isomers)	8.776E+00	7.96E+03	4.30E-01	4.30E+02	0.00E+00	0.00E+00	1.85E+01
				3.96E+04			TOTAL	1.68E-01	2.96E+04
7	NASSCO - 1st data set	Acetaldehyde	3.746E-04	3.40E-01	9.00E-03	9.00E+00	2.20E-06	7.48E-07	3.78E-02
7	NASSCO - 2nd data set	Acetaldehyde	3.746E-04	3.40E-01	9.00E-03	9.00E+00	2.20E-06	7.48E-07	3.78E-02
7	NASSCO - 1st data set	Arsenic compounds	6.004E-06	5.45E-03	3.00E-05	3.00E-02	4.30E-03	2.34E-05	1.82E-01
7	NASSCO - 1st data set	Benzene	1.286E-03	1.17E+00	6.00E-02	6.00E+01	7.80E-06	9.10E-06	1.94E-02
7	NASSCO - 1st data set	Beryllium compounds	4.431E-06	4.02E-03	2.00E-05	2.00E-02	2.40E-03	9.65E-06	2.01E-01
7	NASSCO - 1st data set	Cadmium compounds	4.431E-06	4.02E-03	2.00E-05	2.00E-02	1.80E-03	7.24E-06	2.01E-01
7	NASSCO - 2nd data set	Cadmium compounds	9.020E-04	8.18E-01	2.00E-05	2.00E-02	1.80E-03	1.47E-03	4.09E+01
7	NASSCO - 1st data set	Chromium compounds	4.431E-06	4.02E-03	1.00E-04	1.00E-01	1.20E-02	4.82E-05	4.02E-02
7	NASSCO - 2nd data set	Chromium (VI)	3.710E-03	3.37E+00	1.00E-04	1.00E-01	1.20E-02	4.04E-02	3.37E+01
7	NASSCO - 2nd data set	Chromium compounds	8.779E-03	7.96E+00	1.00E-04	1.00E-01	1.20E-02	9.56E-02	7.96E+01
7	NASSCO - 2nd data set	Chromium compounds	5.467E-03	4.96E+00	1.00E-04	1.00E-01	1.20E-02	5.95E-02	4.96E+01
7	NASSCO - 2nd data set	Chromium compounds	9.726E-04	8.82E-01	1.00E-04	1.00E-01	1.20E-02	1.06E-02	8.82E+00
7	NASSCO - 2nd data set	Cobalt compounds	2.769E-04	2.51E-01	1.00E-04	1.00E-01	0.00E+00	0.00E+00	2.51E+00
7	NASSCO - 2nd data set	Cobalt compounds	2.491E-06	2.26E-03	1.00E-04	1.00E-01	0.00E+00	0.00E+00	2.26E-02
7	NASSCO - 2nd data set	EthylBenzene	6.468E-03	5.87E+00	1.00E+00	1.00E+03	0.00E+00	0.00E+00	5.87E-03
7	NASSCO - 2nd data set	EthylBenzene	1.415E+00	1.28E+03	1.00E+00	1.00E+03	0.00E+00	0.00E+00	1.28E+00
7	NASSCO - 1st data set	formaldehyde	1.579E-04	1.43E-01	9.80E-03	9.80E+00	1.30E-05	1.86E-06	1.46E-02
7	NASSCO - 2nd data set	Glycol ethers	8.197E-02	7.44E+01	2.00E-02	2.00E+01	0.00E+00	0.00E+00	3.72E+00
7	NASSCO - 1st data set	Lead compounds	1.284E-05	1.16E-02	1.50E+00	1.50E+03	1.20E-05	1.40E-07	7.76E-06
7	NASSCO - 2nd data set	Lead compounds	3.844E-07	3.49E-04	1.50E+00	1.50E+03	1.20E-05	4.18E-09	2.32E-07
7	NASSCO - 2nd data set	Lead compounds	7.865E-04	7.14E-01	1.50E+00	1.50E+03	1.20E-05	8.56E-06	4.76E-04
7	NASSCO - 1st data set	Manganese compounds	8.791E-06	7.97E-03	5.00E-05	5.00E-02	0.00E+00	0.00E+00	1.59E-01
7	NASSCO - 2nd data set	Manganese compounds	2.385E-04	2.16E-01	5.00E-05	5.00E-02	0.00E+00	0.00E+00	4.33E+00
7	NASSCO - 2nd data set	Manganese compounds	5.228E-01	4.74E+02	5.00E-05	5.00E-02	0.00E+00	0.00E+00	9.48E+03
7	NASSCO - 2nd data set	Manganese compounds	8.779E-03	7.96E+00	5.00E-05	5.00E-02	0.00E+00	0.00E+00	1.59E+02
7	NASSCO - 1st data set	Mercury compounds	4.434E-06	4.02E-03	3.00E-04	3.00E-01	0.00E+00	0.00E+00	1.34E-02
7	NASSCO - 2nd data set	Methanol	3.563E-01	3.23E+02	4.00E+00	4.00E+03	0.00E+00	0.00E+00	8.08E-02

1999 NTI/TRI Data - Shipbuilding & Ship Repair Residual Risk									
Facility #	Facility	EMISSIONS			DOSE RESPONSE VALUES			EMISSIONS FOR CHRONIC	
		Pollutant	(TPY)	NTI (KG/YR)	RfC(mg/m3)	RfC(ug/m3)	URE(1/ug/m3)	CANCER	NONCANCER
7	NASSCO - 2nd data set	Methyl Chloroform (1,1,1	2.294E-02	2.08E+01	1.00E+00	1.00E+03	0.00E+00	0.00E+00	2.08E-02
7	NASSCO - 2nd data set	Methyl Ethyl Ketone (2-B	1.100E-01	9.98E+01	1.00E+00	1.00E+03	0.00E+00	0.00E+00	9.98E-02
7	NASSCO - 2nd data set	Methyl Isobutyl Ketone (E	2.415E-01	2.19E+02	8.00E-02	8.00E+01	0.00E+00	0.00E+00	2.74E+00
7	NASSCO - 2nd data set	Nickel compounds	1.792E-02	1.63E+01	2.00E-04	2.00E-01	3.12E-04	5.07E-03	8.13E+01
7	NASSCO - 2nd data set	Nickel compounds	8.779E-03	7.96E+00	2.00E-04	2.00E-01	3.12E-04	2.48E-03	3.98E+01
7	NASSCO - 2nd data set	Phenol	2.784E-03	2.53E+00	2.00E-01	2.00E+02	0.00E+00	0.00E+00	1.26E-02
7	NASSCO - 1st data set	POM	5.971E-04	5.42E-01	0.00E+00	0.00E+00	5.50E-05	2.98E-05	0.00E+00
7	NASSCO - 2nd data set	Toluene	1.229E-01	1.11E+02	4.00E-01	4.00E+02	0.00E+00	0.00E+00	2.79E-01
7	NASSCO - 2nd data set	Xylenes (Mixed Isomers)	2.587E-02	2.35E+01	4.30E-01	4.30E+02	0.00E+00	0.00E+00	5.46E-02
7	NASSCO - 2nd data set	Xylenes (Mixed Isomers)	5.821E+00	5.28E+03	4.30E-01	4.30E+02	0.00E+00	0.00E+00	1.23E+01
				7.97E+03			TOTAL	2.15E-01	1.00E+04
8	Newport News Shipbuilding	Chromium compounds	1.000E-02	9.07E+00	1.00E-04	1.00E-01	1.20E-02	1.09E-01	9.07E+01
8	Newport News Shipbuilding	EthylBenzene	2.005E+01	1.82E+04	1.00E+00	1.00E+03	0.00E+00	0.00E+00	1.82E+01
8	Newport News Shipbuilding	Lead compounds	1.000E-01	9.07E+01	1.50E+00	1.50E+03	1.20E-05	1.09E-03	6.05E-02
8	Newport News Shipbuilding	Manganese compounds	3.600E-01	3.27E+02	5.00E-05	5.00E-02	0.00E+00	0.00E+00	6.53E+03
8	Newport News Shipbuilding	Methyl Chloroform (1,1,1	1.870E+00	1.70E+03	1.00E+00	1.00E+03	0.00E+00	0.00E+00	1.70E+00
8	Newport News Shipbuilding	Methylene Chloride (Dich	5.000E-01	4.54E+02	1.00E+00	1.00E+03	4.70E-07	2.13E-04	4.54E-01
8	Newport News Shipbuilding	Nickel compounds	1.100E-01	9.98E+01	2.00E-04	2.00E-01	3.12E-04	3.11E-02	4.99E+02
8	Newport News Shipbuilding	Trichloroethylene	2.310E+00	2.10E+03	6.00E-01	6.00E+02	2.00E-06	4.19E-03	3.49E+00
8	Newport News Shipbuilding	Xylenes (Mixed Isomers)	2.390E+01	2.17E+04	4.30E-01	4.30E+02	0.00E+00	0.00E+00	5.04E+01
				4.46E+04			TOTAL	1.45E-01	7.20E+03
9	Norfolk Naval Shipyard	Acetaldehyde	8.805E-05	7.99E-02	9.00E-03	9.00E+00	2.20E-06	1.76E-07	8.88E-03
9	Norfolk Naval Shipyard	Arsenic compounds	1.414E-06	1.28E-03	3.00E-05	3.00E-02	4.30E-03	5.52E-06	4.28E-02
9	Norfolk Naval Shipyard	Benzene	3.027E-04	2.75E-01	6.00E-02	6.00E+01	7.80E-06	2.14E-06	4.58E-03
9	Norfolk Naval Shipyard	Beryllium compounds	1.044E-06	9.47E-04	2.00E-05	2.00E-02	2.40E-03	2.27E-06	4.73E-02
9	Norfolk Naval Shipyard	Cadmium compounds	1.044E-06	9.47E-04	2.00E-05	2.00E-02	1.80E-03	1.70E-06	4.73E-02
9	Norfolk Naval Shipyard	Chromium compounds	1.044E-06	9.47E-04	1.00E-04	1.00E-01	1.20E-02	1.14E-05	9.47E-03
9	Norfolk Naval Shipyard	formaldehyde	3.493E-05	3.17E-02	9.80E-03	9.80E+00	1.30E-05	4.12E-07	3.23E-03
9	Norfolk Naval Shipyard	Lead compounds	3.024E-06	2.74E-03	1.50E+00	1.50E+03	1.20E-05	3.29E-08	1.83E-06
9	Norfolk Naval Shipyard	Manganese compounds	2.071E-06	1.88E-03	5.00E-05	5.00E-02	0.00E+00	0.00E+00	3.76E-02
9	Norfolk Naval Shipyard	Mercury compounds	1.044E-06	9.48E-04	3.00E-04	3.00E-01	0.00E+00	0.00E+00	3.16E-03
9	Norfolk Naval Shipyard	POM	1.406E-04	1.28E-01	0.00E+00	0.00E+00	5.50E-05	7.02E-06	0.00E+00
9	Norfolk Naval Shipyard	Xylenes (Mixed Isomers)	1.190E+01	1.08E+04	4.30E-01	4.30E+02	0.00E+00	0.00E+00	2.51E+01
				1.08E+04			TOTAL	3.06E-05	2.53E+01
10	NORSHIPCO	Chromium compounds	7.085E-01	6.43E+02	1.00E-04	1.00E-01	1.20E-02	7.71E+00	6.43E+03
10	NORSHIPCO	EthylBenzene	5.589E+00	5.07E+03	1.00E+00	1.00E+03	0.00E+00	0.00E+00	5.07E+00
				5.71E+03			TOTAL	7.71E+00	6.43E+03

SUMMARY OF HAPs CALCULATIONS

1999 NTI/TRI Data - Shipbuilding & Ship Repair Residual Risk

Facility #	Facility	CANCER	NONCANCER
1	AVONDALE IND., INC.	1.66E-01	1.79E+04
2	BATH IRON WORKS	3.06E-01	1.84E+03
3	CASCADE GENERAL INC.	0.00E+00	1.25E+01
4	ELECTRIC BOAT CORP	3.54E-04	1.97E-02
5	INGALLS SHIPBUILDING	1.02E+00	6.58E+03
6	JEFFBOAT	1.68E-01	2.96E+04
7	NASSCO	2.15E-01	1.00E+04
8	Newport News Shipbuilding	1.45E-01	7.20E+03
9	Norfolk Naval Shipyard	3.06E-05	2.53E+01
10	NORSHIPCO	7.71E+00	6.43E+03

HEM Input File - Cancer

Chemical Name (ug/m3)	Unit Risk Factor	Facility Number	Facility Name	Latitude	Longitude	Location		Vent Type		Stack Area (square meters)	Stack Height (meters)	Vent Type 0 - vertical (meters)	Stack Diameter (meters)	Gas Exit Velocity (m/sec)	Gas Exit Temperature (K)	Model Output		Choosing your own Meteorology Site			
						Urban or Rural?	Number of Emission Points	Process Vent (P) Storage Vent (S)	Fugitive Emissions (F) Emission Rate							Maps?	Each Ring?	STAR Site Ambient (K)	Lapse Rate	Lapse Rate	Lapse Rate
						0 - Urban	1 - Rural	Stack (H)	Emission Rate							Y - Yes	Y - Yes	Stab D	Stab E	Stab F	
CANCER	1	1	AVONDALE	295542	901118	0	1	1 H	1.66E-01	6.15	100	0	1	0.1	298	N - No	N - No				
CANCER	1	2	BATH IRON	435429	694856	0	1	1 H	3.06E-01	6.15	100	0	1	0.1	298	N - No	N - No				
CANCER	1	3	CASCADE	453255	1224315	0	1	1 H	0.00E+00	6.15	100	0	1	0.1	298	N - No	N - No				
CANCER	1	4	ELECTRIC BO	412055	722055	0	1	1 H	3.54E-04	6.15	100	0	1	0.1	298	N - No	N - No				
CANCER	1	5	INGALLS	302100	883400	0	1	1 H	1.02E+00	6.15	100	0	1	0.1	298	N - No	N - No				
CANCER	1	6	JEFFBOAT	381638	854328	0	1	1 H	1.68E-01	6.15	100	0	1	0.1	298	N - No	N - No				
CANCER	1	7	NASSCO	324117	1170810	0	1	1 H	2.15E-01	6.15	100	0	1	0.1	298	N - No	N - No				
CANCER	1	8	NEWPORT	365917	762615	0	1	1 H	1.45E-01	6.15	100	0	1	0.1	298	N - No	N - No				
CANCER	1	9	NORFOLK	364919	761741	0	1	1 H	3.06E-05	6.15	100	0	1	0.1	298	N - No	N - No				
CANCER	1	10	NORSHIPCO	364953	761732	0	1	1 H	7.71E+00	6.15	100	0	1	0.1	298	N - No	N - No				

HEM Input File - Noncancer

Chemical Name	Unit Factor	Risk	Facility ID	Facility Name	Latitude	Longitude	Location		Vent Type			Area (square meters)	Vent Type 0 - vertical 1 - nonvert (meters)	Stack Diameter (meters)	Gas Exit Velocity (m/sec)	Gas Exit Temperature (K)	Model Output		Choosing your own Meteorology Site				
							Urban or Rural?	Number of Emission Points	Process Vent (P) Storage Vent (S)	Stack Height (meters)	Fugitive Emissions(F)						Maps?	Each Ring?	STAR Site	Ambient (K)	Lapse Rate	Lapse Rate	Lapse Rate
NON CANCER	1		1	AVONDALE	295542	901118	0	1	1	H	1.79E+04	6.15	100	0	1	0.1	298	N - No	N - No				
NON CANCER	1		2	BATH IRON	435429	694856	0	1	1	H	1.84E+03	6.15	100	0	1	0.1	298	N - No	N - No				
NON CANCER	1		3	CASCADE	453255	1224315	0	1	1	H	1.25E+01	6.15	100	0	1	0.1	298	N - No	N - No				
NON CANCER	1		4	ELECTRIC BOAT	412055	722055	0	1	1	H	1.97E-02	6.15	100	0	1	0.1	298	N - No	N - No				
NON CANCER	1		5	INGALLS	302100	883400	0	1	1	H	6.58E+03	6.15	100	0	1	0.1	298	N - No	N - No				
NON CANCER	1		6	JEFFBOAT	381638	854328	0	1	1	H	2.96E+04	6.15	100	0	1	0.1	298	N - No	N - No				
NON CANCER	1		7	NASSCO	324117	1170810	0	1	1	H	1.00E+04	6.15	100	0	1	0.1	298	N - No	N - No				
NON CANCER	1		8	NEWPORT	365917	762615	0	1	1	H	7.20E+03	6.15	100	0	1	0.1	298	N - No	N - No				
NON CANCER	1		9	NORFOLK	364919	761741	0	1	1	H	2.53E+01	6.15	100	0	1	0.1	298	N - No	N - No				
NON CANCER	1		10	NORSHIPCO	364953	761732	0	1	1	H	6.43E+03	6.15	100	0	1	0.1	298	N - No	N - No				

1999 NTI/TRI Data - Shipbuilding & Ship Repair Residual Risk

Facility #	Facility	Pollutant	EMISSIONS		Acute [max] (ug/m3/hr)	ARL (ug/m3)	ACUTE
			New data NTI (TPY)	Acute Emissions(g/s)			Acute HI
1	AVONDALE IND., INC.	Chromium compounds	1.500E-02	4.32E-04	1.05E+00	1.50E+03	7.00E-04
1	AVONDALE IND., INC.	EthylBenzene	4.094E+00	1.18E-01	2.87E+02	3.50E+05	8.19E-04
1	AVONDALE IND., INC.	Glycol ethers	8.235E+00	2.37E-01	5.77E+02	9.30E+01	6.20E+00
1	AVONDALE IND., INC.	Manganese compounds	9.520E-01	2.74E-02	6.67E+01	5.00E+04	1.33E-03
1	AVONDALE IND., INC.	Methanol	7.985E-01	2.30E-02	5.59E+01	5.00E+04	1.12E-03
1	AVONDALE IND., INC.	Methyl Ethyl Ketone (2-But	3.050E-02	8.77E-04	2.14E+00	1.30E+04	1.64E-04
1	AVONDALE IND., INC.	Methyl Isobutyl Ketone (He	4.750E-01	1.37E-02	3.33E+01	0.00E+00	0.00E+00
1	AVONDALE IND., INC.	Nickel compounds	9.500E-03	2.73E-04	6.65E-01	1.00E+03	6.65E-04
1	AVONDALE IND., INC.	Toluene	3.635E-01	1.05E-02	2.55E+01	3.10E+05	8.21E-05
1	AVONDALE IND., INC.	Xylenes (Mixed Isomers)	2.101E+01	6.04E-01	1.47E+03	5.60E+05	2.63E-03
							6.21E+00
2	BATH IRON WORKS	Chromium compounds	2.750E-02	7.91E-04	1.93E+00	1.50E+03	1.28E-03
2	BATH IRON WORKS	Manganese compounds	8.150E-02	2.34E-03	5.71E+00	5.00E+04	1.14E-04
2	BATH IRON WORKS	Nickel compounds	2.350E-02	6.76E-04	1.65E+00	1.00E+03	1.65E-03
2	BATH IRON WORKS	Xylenes (Mixed Isomers)	2.550E+00	7.33E-02	1.79E+02	5.60E+05	3.19E-04
							3.36E-03
3	CASCADE GENERAL INC.	Xylenes (Mixed Isomers)	5.909E+00	1.70E-01	4.14E+02	5.60E+05	7.39E-04
							7.39E-04
4	ELECTRIC BOAT CORP	Lead compounds	3.250E-02	9.35E-04	2.28E+00	1.00E+04	2.28E-04
							2.28E-04
5	INGALLS SHIPBUILDING	Carbon Tetrachloride	4.380E-02	1.26E-03	3.07E+00	7.50E+04	4.09E-05
5	INGALLS SHIPBUILDING	ChloroBenzene	4.380E-02	1.26E-03	3.07E+00	4.60E+05	6.67E-06
5	INGALLS SHIPBUILDING	Chromium compounds	9.000E-02	2.59E-03	6.30E+00	1.50E+03	4.20E-03
5	INGALLS SHIPBUILDING	EthylBenzene	3.000E-02	8.63E-04	2.10E+00	3.50E+05	6.00E-06
5	INGALLS SHIPBUILDING	EthylBenzene	5.450E+00	1.57E-01	3.82E+02	3.50E+05	1.09E-03
5	INGALLS SHIPBUILDING	Ethylene Dichloride (1,2-Di	4.380E-02	1.26E-03	3.07E+00	2.00E+05	1.53E-05
5	INGALLS SHIPBUILDING	Ethylene Glycol	2.938E+00	8.45E-02	2.06E+02	1.30E+03	1.58E-01
5	INGALLS SHIPBUILDING	Formaldehyde	4.380E-02	1.26E-03	3.07E+00	9.40E+01	3.26E-02
5	INGALLS SHIPBUILDING	Hexane	1.752E-01	5.04E-03	1.23E+01	3.90E+05	3.15E-05
5	INGALLS SHIPBUILDING	Manganese compounds	2.700E-01	7.77E-03	1.89E+01	5.00E+04	3.78E-04
5	INGALLS SHIPBUILDING	Methanol	3.504E-01	1.01E-02	2.45E+01	6.90E+05	3.56E-05
5	INGALLS SHIPBUILDING	Methyl Chloride (Chlorome	1.253E+01	3.60E-01	8.77E+02	1.00E+03	8.77E-01
5	INGALLS SHIPBUILDING	Methyl Chloroform (1,1,1-T	1.077E+01	3.10E-01	7.55E+02	1.30E+06	5.81E-04
5	INGALLS SHIPBUILDING	Methyl Ethyl Ketone (2-But	1.314E+00	3.78E-02	9.20E+01	1.30E+04	7.08E-03
5	INGALLS SHIPBUILDING	Methyl Isobutyl Ketone (He	5.256E-01	1.51E-02	3.68E+01	0.00E+00	0.00E+00
5	INGALLS SHIPBUILDING	Nickel compounds	1.500E-01	4.32E-03	1.05E+01	1.00E+03	1.05E-02
5	INGALLS SHIPBUILDING	Tetrachloroethylene (Perchl	4.380E-02	1.26E-03	3.07E+00	2.40E+05	1.28E-05
5	INGALLS SHIPBUILDING	Toluene	2.584E+00	7.43E-02	1.81E+02	3.10E+05	5.84E-04
5	INGALLS SHIPBUILDING	Toluene	4.185E+00	1.20E-01	2.93E+02	3.10E+05	9.46E-04
5	INGALLS SHIPBUILDING	Toluene	4.185E+00	1.20E-01	2.93E+02	3.10E+05	9.46E-04
							1.09E+00
6	JEFFBOAT	Chromium compounds	1.500E-02	4.32E-04	1.05E+00	1.50E+03	7.00E-04
6	JEFFBOAT	EthylBenzene	1.647E+00	4.74E-02	1.15E+02	3.50E+05	3.30E-04
6	JEFFBOAT	Ethylene Glycol	7.200E-02	2.07E-03	5.04E+00	1.30E+03	3.88E-03
6	JEFFBOAT	Manganese compounds	1.619E+00	4.66E-02	1.13E+02	5.00E+04	2.27E-03

1999 NTI/TRI Data - Shipbuilding & Ship Repair Residual Risk

Facility #	Facility	Pollutant	EMISSIONS		Acute [max] (ug/m3/hr)	ARL (ug/m3)	ACUTE
			New data NTI (TPY)	Acute Emissions(g/s)			Acute HI
6	JEFFBOAT	Methanol	1.102E+00	3.17E-02	7.72E+01	6.90E+05	1.12E-04
6	JEFFBOAT	Methyl Ethyl Ketone (2-But	3.035E+01	8.73E-01	2.13E+03	1.30E+04	1.64E-01
6	JEFFBOAT	Nickel compounds	1.800E-02	5.18E-04	1.26E+00	1.00E+03	1.26E-03
6	JEFFBOAT	Toluene	9.000E-03	2.59E-04	6.30E-01	3.10E+05	2.03E-06
6	JEFFBOAT	Xylenes (Mixed Isomers)	8.776E+00	2.52E-01	6.15E+02	5.60E+05	1.10E-03
							1.73E-01
7	NASSCO - 1st data set	Acetaldehyde	3.746E-04	1.08E-05	2.62E-02	1.80E+04	1.46E-06
7	NASSCO - 2nd data set	Acetaldehyde	3.746E-04	1.08E-05	2.62E-02	1.80E+04	1.46E-06
7	NASSCO - 1st data set	Arsenic compounds	6.004E-06	1.73E-07	4.21E-04	1.90E-01	2.21E-03
7	NASSCO - 1st data set	Benzene	1.286E-03	3.70E-05	9.00E-02	1.30E+03	6.93E-05
7	NASSCO - 1st data set	Beryllium compounds	4.431E-06	1.27E-07	3.10E-04	2.50E+01	1.24E-05
7	NASSCO - 1st data set	Cadmium compounds	4.431E-06	1.27E-07	3.10E-04	9.00E+03	3.45E-08
7	NASSCO - 2nd data set	Cadmium compounds	9.020E-04	2.59E-05	6.32E-02	9.00E+03	7.02E-06
7	NASSCO - 1st data set	Chromium compounds	4.431E-06	1.27E-07	3.10E-04	1.50E+03	2.07E-07
7	NASSCO - 2nd data set	Chromium (VI)	3.710E-03	1.07E-04	2.60E-01	1.50E+03	1.73E-04
7	NASSCO - 2nd data set	Chromium compounds	8.779E-03	2.53E-04	6.15E-01	1.50E+03	4.10E-04
7	NASSCO - 2nd data set	Chromium compounds	5.467E-03	1.57E-04	3.83E-01	1.50E+03	2.55E-04
7	NASSCO - 2nd data set	Chromium compounds	9.726E-04	2.80E-05	6.81E-02	1.50E+03	4.54E-05
7	NASSCO - 2nd data set	Cobalt compounds	2.769E-04	7.97E-06	1.94E-02	2.00E+03	9.70E-06
7	NASSCO - 2nd data set	Cobalt compounds	2.491E-06	7.17E-08	1.74E-04	2.00E+03	8.72E-08
7	NASSCO - 2nd data set	EthylBenzene	6.468E-03	1.86E-04	4.53E-01	3.50E+05	1.29E-06
7	NASSCO - 2nd data set	EthylBenzene	1.415E+00	4.07E-02	9.91E+01	3.50E+05	2.83E-04
7	NASSCO - 1st data set	formaldehyde	1.579E-04	4.54E-06	1.11E-02	9.40E+01	1.18E-04
7	NASSCO - 2nd data set	Glycol ethers	8.197E-02	2.36E-03	5.74E+00	9.30E+01	6.17E-02
7	NASSCO - 1st data set	Lead compounds	1.284E-05	3.69E-07	8.99E-04	1.00E+04	8.99E-08
7	NASSCO - 2nd data set	Lead compounds	3.844E-07	1.11E-08	2.69E-05	1.00E+04	2.69E-09
7	NASSCO - 2nd data set	Lead compounds	7.865E-04	2.26E-05	5.51E-02	1.00E+04	5.51E-06
7	NASSCO - 1st data set	Manganese compounds	8.791E-06	2.53E-07	6.16E-04	5.00E+04	1.23E-08
7	NASSCO - 2nd data set	Manganese compounds	2.385E-04	6.86E-06	1.67E-02	5.00E+04	3.34E-07
7	NASSCO - 2nd data set	Manganese compounds	5.228E-01	1.50E-02	3.66E+01	5.00E+04	7.32E-04
7	NASSCO - 2nd data set	Manganese compounds	8.779E-03	2.53E-04	6.15E-01	5.00E+04	1.23E-05
7	NASSCO - 1st data set	Mercury compounds	4.434E-06	1.28E-07	3.11E-04	1.60E+03	1.94E-07
7	NASSCO - 2nd data set	Methanol	3.563E-01	1.02E-02	2.50E+01	6.90E+05	3.62E-05
7	NASSCO - 2nd data set	Methyl Chloroform (1,1,1-T	2.294E-02	6.60E-04	1.61E+00	1.30E+06	1.24E-06
7	NASSCO - 2nd data set	Methyl Ethyl Ketone (2-But	1.100E-01	3.16E-03	7.70E+00	1.30E+04	5.92E-04
7	NASSCO - 2nd data set	Methyl Isobutyl Ketone (He	2.415E-01	6.95E-03	1.69E+01	0.00E+00	0.00E+00
7	NASSCO - 2nd data set	Nickel compounds	1.792E-02	5.16E-04	1.26E+00	1.00E+03	1.26E-03
7	NASSCO - 2nd data set	Nickel compounds	8.779E-03	2.53E-04	6.15E-01	1.00E+03	6.15E-04
7	NASSCO - 2nd data set	Phenol	2.784E-03	8.01E-05	1.95E-01	1.70E+04	1.15E-05
7	NASSCO - 1st data set	POM	5.971E-04	1.72E-05	4.18E-02	0.00E+00	0.00E+00
7	NASSCO - 2nd data set	Toluene	1.229E-01	3.54E-03	8.61E+00	3.10E+05	2.78E-05
7	NASSCO - 2nd data set	Xylenes (Mixed Isomers)	2.587E-02	7.44E-04	1.81E+00	5.60E+05	3.24E-06
7	NASSCO - 2nd data set	Xylenes (Mixed Isomers)	5.821E+00	1.67E-01	4.08E+02	5.60E+05	7.28E-04
							6.94E-02
8	Newport News Shipbuilding	Chromium compounds	1.000E-02	2.88E-04	7.00E-01	1.50E+03	4.67E-04
8	Newport News Shipbuilding	EthylBenzene	2.005E+01	5.77E-01	1.40E+03	3.50E+05	4.01E-03
8	Newport News Shipbuilding	Lead compounds	1.000E-01	2.88E-03	7.00E+00	3.50E+05	2.00E-05
8	Newport News Shipbuilding	Manganese compounds	3.600E-01	1.04E-02	2.52E+01	5.00E+04	5.04E-04

1999 NTI/TRI Data - Shipbuilding & Ship Repair Residual Risk

Facility #	Facility	Pollutant	EMISSIONS		Acute [max] (ug/m3/hr)	ARL (ug/m3)	ACUTE
			New data NTI (TPY)	Acute Emissions(g/s)			Acute HI
8	Newport News Shipbuilding	Methyl Chloroform (1,1,1-T	1.870E+00	5.38E-02	1.31E+02	5.00E+04	2.62E-03
8	Newport News Shipbuilding	Methylene Chloride (Dichlo	5.000E-01	1.44E-02	3.50E+01	1.30E+06	2.69E-05
8	Newport News Shipbuilding	Nickel compounds	1.100E-01	3.16E-03	7.71E+00	1.40E+04	5.50E-04
8	Newport News Shipbuilding	Trichloroethylene	2.310E+00	6.65E-02	1.62E+02	1.00E+03	1.62E-01
8	Newport News Shipbuilding	Xylenes (Mixed Isomers)	2.390E+01	6.88E-01	1.67E+03	5.40E+05	3.10E-03
							1.73E-01
9	Norfolk Naval Shipyard	Acetaldehyde	8.805E-05	2.53E-06	6.17E-03	1.80E+04	3.43E-07
9	Norfolk Naval Shipyard	Arsenic compounds	1.414E-06	4.07E-08	9.91E-05	1.90E-01	5.21E-04
9	Norfolk Naval Shipyard	Benzene	3.027E-04	8.71E-06	2.12E-02	1.30E+03	1.63E-05
9	Norfolk Naval Shipyard	Beryllium compounds	1.044E-06	3.00E-08	7.31E-05	2.50E+01	2.92E-06
9	Norfolk Naval Shipyard	Cadmium compounds	1.044E-06	3.00E-08	7.31E-05	9.00E+03	8.12E-09
9	Norfolk Naval Shipyard	Chromium compounds	1.044E-06	3.00E-08	7.31E-05	1.50E+03	4.87E-08
9	Norfolk Naval Shipyard	formaldehyde	3.493E-05	1.00E-06	2.45E-03	9.40E+01	2.60E-05
9	Norfolk Naval Shipyard	Lead compounds	3.024E-06	8.70E-08	2.12E-04	1.40E+01	1.51E-05
9	Norfolk Naval Shipyard	Manganese compounds	2.071E-06	5.96E-08	1.45E-04	5.00E+04	2.90E-09
9	Norfolk Naval Shipyard	Mercury compounds	1.044E-06	3.00E-08	7.32E-05	1.60E+03	4.57E-08
9	Norfolk Naval Shipyard	POM	1.406E-04	4.05E-06	9.85E-03	0.00E+00	0
9	Norfolk Naval Shipyard	Xylenes (Mixed Isomers)	1.190E+01	3.42E-01	8.34E+02	5.60E+05	1.49E-03
							2.07E-03
10	NORSHIPCO	Chromium compounds	7.085E-01	2.04E-02	4.96E+01	1.50E+03	3.31E-02
10	NORSHIPCO	EthylBenzene	5.589E+00	1.61E-01	3.91E+02	3.50E+05	1.12E-03
							3.42E-02