

APPENDIX A - ATTACHMENT 4 : EPTDS Rating Calculations

PWID: 0327001 NJ American Water Company - Western Division

EPTDS Susceptibility Rating Determination

Each public drinking water source received a susceptibility rating of high (H), medium (M), or low (L). The rating reflects the potential for contamination of source water, not the existence of contamination. The susceptibility rating was calculated using susceptibility models developed by the United States Geological Survey.

Most treatment and monitoring takes place at the Entry Point to the Distribution System (EPDTS) level, therefore to assist in monitoring strategies a susceptibility score and rating was developed for each EPTDS. Most public water systems have multiple wells and/or intakes. Some blend groundwater (wells) and surface water (intakes). In cases of groundwater or surface water only systems, the well(s) or intake(s) scores were grouped together to calculate the EPTDS rating. The EPTDS rating was determined by the following method. The source contribution resulted from multiplying each source's susceptibility score by the source's pumping rate. Next, all source contributions were summed and divided by the total capacity (sum of all the pumping rates and/or capacities) for the EPTDS. The EPTDS score was classified as low, medium or high susceptibility according to the same scales developed in the source susceptibility models.

For ground water sources, only permanent, seasonal, and interim wells were used in the EPTDS rating calculation. Other wells such as emergency, reserve, and not-in-use wells were not included in the source to EPTDS "roll-up," but these wells were rated on a source basis.

If a facility has only one well or intake, the EPTDS received the same rating as the well or intake.

This attachment illustrates how DEP calculated the EPTDS ratings for the water system. The following tables, beginning on page 3 of the attachment, identify the EPTDS in the upper left-hand corner using the EPTDS identification number. Under the EPTDS heading, the table contains several columns illustrating the steps DEP followed to calculate the susceptibility rating for each contaminant category. The first column identifies the contributing sources to the EPTDS using the source identification number. The second column, labeled "Capacity", contains the pumping rate or capacity for each source. This value is the pumping rate used to determine the source's source water assessment area and susceptibility rating.

The remaining columns are specific for each contaminant category identified. The "SS" represents the Source Susceptibility Score, which is the numerical susceptibility rating the source received for each contaminant category. Depending on the contaminant category, the numerical score represents a high, medium, or low susceptibility rating.

The "SC" in these columns represents the Source Contribution, which is the source's susceptibility score multiplied by the source's capacity. The Source Contributions are then summed to calculate the Total Contribution for each contaminant category.

Next, the Total Contribution for a contaminant category was divided by the Total Capacity for the EPTDS to calculate the numerical susceptibility score for each contaminant category for the EPTDS. The numerical score was then converted into a high, medium, or low susceptibility rating for the EPTDS, using the susceptibility rating scale for each contaminant category. The scales, shown on page 2, are the same scales developed by USGS for source susceptibility ratings. The numerical score and susceptibility rating are both found in this attachment.

Capacity

For unconfined wells, the pumping rate, or capacity, was determined as per the “Guidelines for Delineation of Well Head Protection Areas in New Jersey” (NJ Geological Survey, Open File Report OFR 03-1). This value was generated for the flow-model to determine the Source Water Assessment delineation areas.

Confined wells were deemed to be not susceptible to contaminants originating at the land surface, and instead a 50 foot radius was drawn around the each confined well. Since an individual delineation was not done for confined wells, a value for pumping capacity was not necessary and not generated during the delineation phase. In order to generate a capacity value for confined wells, the following steps, adapted from the “Guidelines for Delineation of Well Head Protection Areas in New Jersey” (NJ Geological Survey, Open File Report OFR 03-1), were taken:

1. The first step in electing the capacity values was to determine if the well had been in operation for a least two years, and if the withdrawal data for the well was available in the Site Specific Water Use Data System maintained by the NJ Geological Survey. If the data were available, the pumping rate was based on the preferred selection method which required an evaluation of the existing data for the well’s period of operation, up to and including the previous 12 years. The 12-year time frame was selected based on the 12-year Time of Travel for Tier 3 and the availability of accurate historical pumping data. The following steps were taken:

- a. For each year of data, the total withdrawal was determined.
- b. An average annual pumping rate was determined for each year’s data.
- c. The average annual pumping rate from the year with the highest average annual pumping rate was selected as the maximum average annual pumping rate.
- d. The maximum average annual pumping rate was increased by a safety factor equal to 25% of the maximum average annual pumping rate.
- e. If the maximum average annual pumping rate plus the safety factor resulted in a value that was greater than the well’s pump capacity, then the well’s pump capacity was used.

2. If data on annual pumping rate was not available in the Site Specific Water Use Data System maintained by the NJ Geological Survey, the value of installed pump capacity for the well was used. This value is maintained by the NJ Geological Survey in their NJGSwells and Outpath databases.

3. If data on installed pump capacity was not available in the Outpath database maintained by the NJ Geological Survey, the value of pump rate for the well was used. This value is also maintained by the NJ Geological Survey in their NJGSwells and Outpath databases.

Susceptibility Model Rating Scales

Groundwater										Surface Water																				
Metals Highest rating of:	Arsenic	Low			Medium			High			Metals Highest rating of:	Arsenic	Low		Medium		High													
	Barium	0-5			6-8			9-11				Fluoride	0-4		5-11		12-14													
	Beryllium	0-6			7-9			None				Lead	0-6		7-13		14-17													
	Fluoride	0-7			8-10			11-17																						
	Lead	0-16			17-19			None																						
	Mercury	0-5.5			6-9.5			10-14																						
Nutrients		Low			Medium			High			Nutrients		Low		Medium		High													
	Confined	0 (All wells)											0-2		3-6		7-12													
	Unconfined	5-12			13-15			16-25																						
Pesticides		Low			Medium			High			Pesticides		Low		Medium		High													
	Confined	0 (All wells)											0-6.5		7-9.5		10-12													
	Unconfined	5-19			20-35			None																						
VOCs		Low			Medium			High			VOCs		Low		Medium		High													
		0-17			None			18-25					0-4		5-6		7-8													
DBPs	Note: For a EPTDS rating for Groundwater DBPs the confined and unconfined scales were merged to create one scale as follows below																													
		Low			Medium			High																						
	Confined Source Scale	0-3			4			5			6			7			8			9,10										
	Confined EPTDS Scale	0			2			4			6			8			9			10										
		Low			Medium			High																						
	Unconfined Source Scale	None			0,1			2,3			4,5			6,7			8,9			10, 11			12, 13			14			15,16	
Unconfined EPTDS Scale	None			1			2			3			4			6			7			8			9			10		
Pathogens		Low			Medium			High																						
		0-6.5			7-8.5			9-14																						
Radionuclides Highest rating of:		Low			Medium			High																						
	Alpha	0-3.5			4-7.5			8-17.5																						
	Radium	1-2			3-6			7-14																						
Radon		Low			Medium			High																						
		1-2.5			3-6.5			7-11																						

EPTDS ID: 01

EPTDS Name: BEVERLY STATION/BROAD FRONT ST

SFID	Capacity	Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs	
		SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC		
003	0.576	7	4.032	18	10.368	17	9.792	25	14.4	4	2.304	2	1.152	11	6.336	14	8.064	5.5	3.168	14	8.064	7	4.032	6	3.456	0	0	4	2.304	7	4.608
005	1.22205	1.5	1.8331	16	19.553	16	19.553	25	30.551	2	2.4441	1	1.2221	10	12.221	6	7.3323	6.5	7.9433	13	15.887	11	12.832	10	12.221	0	0	3	3.6662	7	9.7764
190	0.71712	2	1.4342	16	11.474	16	11.474	25	17.928	2	1.4342	2	1.4342	11	7.8883	7	5.0199	7	5.0199	13	9.3226	9.5	6.8127	8	5.737	0	0	2	1.4342	6	5.0199

Totals (Sum of above columns)

Capacity	Pathogens	Nutrients	Pesticides	VOCs	Arsenic	Barium	Beryllium	Flouride	Lead	Mercury	Alpha	Radium	Uranium	Radon	DBPs
2.5151724	7.2993056	41.394754	40.818756	62.879311	6.1823397	3.8082924	26.444844	20.416136	16.131185	33.273239	23.676197	21.41349	0	7.4043922	19.404257

EPTDS Susceptibility Score _Susceptibility Rating (Total Contribution/Total Capacity)

Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs	
Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating
3	L	16	H	16	L	25	H	2	L	2	L	11	H	8	L	6	M	13.2	H	9	H	9	H	0	L	3	M	8	M
Inorganics														Radionuclides															
Rating														Rating															
H														H															

Notes:

- Inorganics - (Groundwater highest rating of Arsenic, Barium, Beryllium, Flouride, and Lead)
(Surface Water-highest rating of Arsenic, Flouride, and Lead)
- Radiounuclides - (Groundwater-highest rating of Alpha, Radium, and Uranium)
(Surface Water-all sources and EPTDS are rated Low)
- Pathogens - (Surface Water all sources and EPTDS are rated High)

EPTDS ID: 02

EPTDS Name: TRI-COUNTY TREATMENT PLANT

SFID	Capacity	Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs	
		SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC		
048	40			10	400	8	340	5	200	14	560					13	520	14	560										5	200	

Totals (Sum of above columns)

Capacity	Pathogens	Nutrients	Pesticides	VOCs	Arsenic	Barium	Beryllium	Flouride	Lead	Mercury	Alpha	Radium	Uranium	Radon	DBPs
40		400	340	200	560			520	560						200

EPTDS Susceptibility Score _Susceptibility Rating (Total Contribution/Total Capacity)

Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs	
Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating
	H	10	H	8	M	5	M	14	H					13	L	14	H										L	5	H

Inorganics																Radionuclides							
Rating																Rating							
H																L							

Notes:

- Inorganics - (Groundwater highest rating of Arsenic, Barium, Beryllium, Flouride, and Lead)
(Surface Water-highest rating of Arsenic, Flouride, and Lead)
- Radionuclides - (Groundwater-highest rating of Alpha, Radium, and Uranium)
(Surface Water-all sources and EPTDS are rated Low)
- Pathogens - (Surface Water all sources and EPTDS are rated High)

EPTDS ID: 03

EPTDS Name: POMONA ROAD STATION

SFID	Capacity	Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs	
		SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC
008	1.44	7	10.08	16	23.04	19	27.36	25	36	2	2.88	3	4.32	7	10.08	6	8.64	6	8.64	12	17.28	12	17.28	12	17.28	0	0	3	4.32	7	11.52
009	0.76464	7	5.3525	16	12.234	19	14.528	25	19.116	2	1.5293	3	2.2939	7	5.3525	6	4.5879	6	4.5879	12	9.1757	13	9.5580	12	9.1757	0	0	3	2.2939	6	5.3525
011	0.55584	2	1.1117	16	8.8934	18	10.005	25	13.896	0	0	2	1.1117	6	3.3350	8	4.4467	6	3.3350	11	6.1142	9.5	5.2805	12	6.6701	0	0	3	1.6675	6	3.8909
012	0.40320	2	0.8064	17	6.8544	19	7.6608	25	10.080	0	0	2	0.8064	6	2.4192	8	3.2256	5	2.0160	11	4.4352	12	4.6368	12	4.8384	0	0	3	1.2096	6	2.8224

Totals (Sum of above columns)

Capacity	Pathogens	Nutrients	Pesticides	VOCs	Arsenic	Barium	Beryllium	Flouride	Lead	Mercury	Alpha	Radium	Uranium	Radon	DBPs
3.163681	17.350563	51.022097	59.554099	79.092024	4.4092805	8.5320022	21.186726	20.900167	18.578884	37.005131	36.755295	37.964172	0	9.4910429	23.585764

EPTDS Susceptibility Score _Susceptibility Rating (Total Contribution/Total Capacity)

Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs	
Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating
5	L	16	H	19	L	25	H	1	L	3	L	7	L	7	L	6	M	11.7	H	12	H	12	H	0	L	3	M	7	M
Inorganics												Radionuclides																	
Rating												Rating																	
H												H																	

Notes:

- Inorganics - (Groundwater highest rating of Arsenic, Barium, Beryllium, Flouride, and Lead)
(Surface Water-highest rating of Arsenic, Flouride, and Lead)
- Radiounuclides - (Groundwater-highest rating of Alpha, Radium, and Uranium)
(Surface Water-all sources and EPTDS are rated Low)
- Pathogens - (Surface Water all sources and EPTDS are rated High)

EPTDS ID: 04

EPTDS Name: STEVENS DRIVE STATION

SFID	Capacity	Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs	
		SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC
015	0.93688	2	1.8738	16	14.990	16	14.990	25	23.422	2	1.8738	1	0.9369	9	8.432	5	4.6844	6.5	6.0898	8	7.4951	11	9.8373	12	11.243	0	0	2	1.8738	7	7.4951
016	1.49319	2	2.9864	16	23.891	18	26.877	25	37.33	2	2.9864	2	2.9864	8	11.946	5	7.4659	5.5	8.2125	8	11.946	11	16.425	11	16.425	0	0	3	4.4796	7	11.946

Totals (Sum of above columns)

Capacity	Pathogens	Nutrients	Pesticides	VOCs	Arsenic	Barium	Beryllium	Flouride	Lead	Mercury	Alpha	Radium	Uranium	Radon	DBPs
2.4300725	4.860145	38.88116	41.867535	60.751812	4.860145	3.92326	20.377465	12.150362	14.302284	19.44058	26.262355	27.667682	0	6.3533325	19.44058

EPTDS Susceptibility Score _Susceptibility Rating (Total Contribution/Total Capacity)

Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs	
Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating
2	L	16	H	17	L	25	H	2	L	2	L	8	M	5	L	6	M	8	M	11	H	11	H	0	L	3	M	8	M

Inorganics												Radionuclides					
Rating												Rating					
M												H					

Notes:

- Inorganics - (Groundwater highest rating of Arsenic, Barium, Beryllium, Flouride, and Lead)
(Surface Water-highest rating of Arsenic, Flouride, and Lead)
- Radiounuclides - (Groundwater-highest rating of Alpha, Radium, and Uranium)
(Surface Water-all sources and EPTDS are rated Low)
- Pathogens - (Surface Water all sources and EPTDS are rated High)

EPTDS ID: 10

EPTDS Name: HIGHLAND AVENUE STATION

SFID	Capacity	Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs	
		SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC
032	0.64512	0	0	16	10.322	18	11.612	25	16.128	2	1.2902	2	1.2902	8	5.161	5	3.2256	6.5	4.1933	14	9.0317	13	8.0640	12	7.7414	0	0	2	1.2902	6	4.5158
033	1.2074	0.5	0.6037	16	19.318	19	22.941	25	30.185	2	2.4148	2	2.4148	9	10.867	6	7.2444	8.5	10.263	13	15.696	12	14.489	12	14.489	0	0	3	3.6222	7	9.6592

Totals (Sum of above columns)

Capacity	Pathogens	Nutrients	Pesticides	VOCs	Arsenic	Barium	Beryllium	Flouride	Lead	Mercury	Alpha	Radium	Uranium	Radon	DBPs
1.8525192	0.6036996	29.640308	34.552745	46.312981	3.7050385	3.7050385	16.027553	10.469995	14.456173	24.727870	22.552791	22.230231	0	4.9124376	14.175034

EPTDS Susceptibility Score _Susceptibility Rating (Total Contribution/Total Capacity)

Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs	
Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating
0	L	16	H	19	L	25	H	2	L	2	L	9	M	6	L	8	M	13.3	H	12	H	12	H	0	L	3	M	8	M
Inorganics												Radionuclides																	
Rating												Rating																	
H												H																	

Notes:

1. Inorganics - (Groundwater highest rating of Arsenic, Barium, Beryllium, Flouride, and Lead)
(Surface Water-highest rating of Arsenic, Flouride, and Lead)
2. Radiounuclides - (Groundwater-highest rating of Alpha, Radium, and Uranium)
(Surface Water-all sources and EPTDS are rated Low)
3. Pathogens - (Surface Water all sources and EPTDS are rated High)

EPTDS ID: 18

EPTDS Name: ASHLAND TERRACE STATION

SFID	Capacity	Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs	
		SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC
051	0.65567	0	0	0	0	0	0	0	0	6	3.9340	0	0	0	0	17	11.146	0	0	0	0	5	3.2783	0	0	0	0	0	0	7	5.2453
052	0.66556	0	0	0	0	0	0	0	0	6	3.9934	0	0	0	0	17	11.315	0	0	0	0	5	3.3278	0	0	0	0	0	0	7	5.3245

Totals (Sum of above columns)

Capacity	Pathogens	Nutrients	Pesticides	VOCs	Arsenic	Barium	Beryllium	Flouride	Lead	Mercury	Alpha	Radium	Uranium	Radon	DBPs
1.3212295	0	0	0	0	7.9273767	0	0	22.460901	0	0	6.6061473	0	0	0	10.569836

EPTDS Susceptibility Score _Susceptibility Rating (Total Contribution/Total Capacity)

Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs			
Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating		
0	L	0	L	0	L	0	L	6	M	0	L	0	L	17	M	0	L	0	L	5	M	0	L	0	L	0	L	0	L	8	M
Inorganics												Radionuclides																			
Rating												Rating																			
M												M																			

Notes:

- Inorganics - (Groundwater highest rating of Arsenic, Barium, Beryllium, Flouride, and Lead)
(Surface Water-highest rating of Arsenic, Flouride, and Lead)
- Radiounuclides - (Groundwater-highest rating of Alpha, Radium, and Uranium)
(Surface Water-all sources and EPTDS are rated Low)
- Pathogens - (Surface Water all sources and EPTDS are rated High)

SFID	Capacity	Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs	
		SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC
055	2.016	0	0	0	0	0	0	0	0	6	12.096	0	0	0	0	17	34.272	0	0	0	0	5	10.08	0	0	0	0	0	0	5	12.096
056	1.26800	0	0	0	0	0	0	0	0	6	7.6080	0	0	0	0	17	21.556	0	0	0	0	5	6.3400	0	0	0	0	0	0	5	7.6080
057	2.016	0	0	0	0	0	0	0	0	6	12.096	0	0	0	0	17	34.272	0	0	0	0	5	10.08	0	0	0	0	0	0	5	12.096
058	0.26271	0	0	0	0	0	0	0	0	6	1.5763	0	0	0	0	17	4.4661	0	0	0	0	5	1.3136	0	0	0	0	0	0	5	1.5763

Totals (Sum of above columns)

Capacity	Pathogens	Nutrients	Pesticides	VOCs	Arsenic	Barium	Beryllium	Flouride	Lead	Mercury	Alpha	Radium	Uranium	Radon	DBPs
5.5627158	0	0	0	0	33.376295	0	0	94.566168	0	0	27.813579	0	0	0	33.376295

EPTDS Susceptibility Score _Susceptibility Rating (Total Contribution/Total Capacity)

Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs			
Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating		
0	L	0	L	0	L	0	L	6	M	0	L	0	L	17	M	0	L	0	L	5	M	0	L	0	L	0	L	0	L	6	M
Inorganics										Radionuclides																					
Rating										Rating																					
M										M																					

Notes:

- Inorganics - (Groundwater highest rating of Arsenic, Barium, Beryllium, Flouride, and Lead)
(Surface Water-highest rating of Arsenic, Flouride, and Lead)
- Radionuclides - (Groundwater-highest rating of Alpha, Radium, and Uranium)
(Surface Water-all sources and EPTDS are rated Low)
- Pathogens - (Surface Water all sources and EPTDS are rated High)

EPTDS ID: 20

EPTDS Name: COLUMBIA LAKE TREATMENT

SFID	Capacity	Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs	
		SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC		
061	0.14946	0	0	0	0	0	0	0	0	6	0.8968	0	0	0	0	17	2.5409	0	0	0	0	5	0.7473	0	0	0	0	0	0	5	0.8968
062	1.296	0	0	0	0	0	0	0	0	6	7.776	0	0	0	0	17	22.032	0	0	0	0	5	6.48	0	0	0	0	0	0	7	10.368
063	0.14294	0	0	0	0	0	0	0	0	6	0.8576	0	0	0	0	17	2.43	0	0	0	0	5	0.7147	0	0	0	0	0	5	0.8576	

Totals (Sum of above columns)

Capacity	Pathogens	Nutrients	Pesticides	VOCs	Arsenic	Barium	Beryllium	Flouride	Lead	Mercury	Alpha	Radium	Uranium	Radon	DBPs
1.5884007	0	0	0	0	9.5304041	0	0	27.002812	0	0	7.9420034	0	0	0	12.122404

EPTDS Susceptibility Score _Susceptibility Rating (Total Contribution/Total Capacity)

Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs	
Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating
0	L	0	L	0	L	0	L	6	M	0	L	0	L	17	M	0	L	0	L	5	M	0	L	0	L	0	L	8	M
Inorganics												Radionuclides																	
Rating												Rating																	
M												M																	

Notes:

- Inorganics - (Groundwater highest rating of Arsenic, Barium, Beryllium, Flouride, and Lead)
(Surface Water-highest rating of Arsenic, Flouride, and Lead)
- Radiounuclides - (Groundwater-highest rating of Alpha, Radium, and Uranium)
(Surface Water-all sources and EPTDS are rated Low)
- Pathogens - (Surface Water all sources and EPTDS are rated High)

EPTDS ID: 23

EPTDS Name: ELM TREE STATION

SFID	Capacity	Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs	
		SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC		
073	0.39838	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1.9919	7	3.1871

Totals (Sum of above columns)

Capacity	Pathogens	Nutrients	Pesticides	VOCs	Arsenic	Barium	Beryllium	Flouride	Lead	Mercury	Alpha	Radium	Uranium	Radon	DBPs
0.3983836	0	0	0	0	0	0	0	0	0	0	0	0	0	1.9919178	3.1870685

EPTDS Susceptibility Score _Susceptibility Rating (Total Contribution/Total Capacity)

Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs	
Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating
0	L	0	L	0	L	0	L	0	L	0	L	0	L	0	L	0	L	0	L	0	L	0	L	0	L	5	M	8	M

Inorganics	Radionuclides
Rating	Rating
L	L

Notes:

- Inorganics - (Groundwater highest rating of Arsenic, Barium, Beryllium, Flouride, and Lead)
(Surface Water-highest rating of Arsenic, Flouride, and Lead)
- Radionuclides - (Groundwater-highest rating of Alpha, Radium, and Uranium)
(Surface Water-all sources and EPTDS are rated Low)
- Pathogens - (Surface Water all sources and EPTDS are rated High)

EPTDS ID: 24

EPTDS Name: GIBBSBORO STATION

SFID	Capacity	Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs	
		SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC
077	0.42641	0	0	0	0	0	0	0	0	6	2.5584	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	3.4113
078	0.432	0	0	0	0	0	0	0	0	6	2.592	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	3.456	
079	1.35002	0	0	0	0	0	0	0	0	6	8.1001	0	0	0	0	17	22.950	0	0	0	0	5	6.7501	0	0	0	0	0	5	8.1001	
080	2.016	0	0	0	0	0	0	0	0	6	12.096	0	0	0	0	17	34.272	0	0	0	0	5	10.08	0	0	0	0	5	12.096		
081	2.016	0	0	0	0	0	0	0	0	6	12.096	0	0	0	0	17	34.272	0	0	0	0	5	10.08	0	0	0	0	5	12.096		

Totals (Sum of above columns)

Capacity	Pathogens	Nutrients	Pesticides	VOCs	Arsenic	Barium	Beryllium	Flouride	Lead	Mercury	Alpha	Radium	Uranium	Radon	DBPs
6.2404315	0	0	0	0	37.442589	0	0	91.494408	0	0	26.91012	0	0	0	39.159404

EPTDS Susceptibility Score _Susceptibility Rating (Total Contribution/Total Capacity)

Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs	
Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating
0	L	0	L	0	L	0	L	6	M	0	L	0	L	15	L	0	L	0	L	4	M	0	L	0	L	0	L	6	M
Inorganics												Radionuclides																	
Rating												Rating																	
M												M																	

Notes:

- Inorganics - (Groundwater highest rating of Arsenic, Barium, Beryllium, Flouride, and Lead)
(Surface Water-highest rating of Arsenic, Flouride, and Lead)
- Radionuclides - (Groundwater-highest rating of Alpha, Radium, and Uranium)
(Surface Water-all sources and EPTDS are rated Low)
- Pathogens - (Surface Water all sources and EPTDS are rated High)

SFID	Capacity	Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs	
		SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC
084	1.152	0	0	0	0	0	0	0	0	6	6.912	0	0	0	0	17	19.584	0	0	0	0	5	5.76	0	0	0	0	0	0	5	6.912
085	1.296	0	0	0	0	0	0	0	0	6	7.776	0	0	0	0	17	22.032	0	0	0	0	5	6.48	0	0	0	0	0	0	5	7.776
086	0.79013	0	0	0	0	0	0	0	0	6	4.7408	0	0	0	0	17	13.432	0	0	0	0	5	3.9506	0	0	0	0	0	0	7	6.3210
087	0.56255	0	0	0	0	0	0	0	0	6	3.3753	0	0	0	0	17	9.5633	0	0	0	0	5	2.8127	0	0	0	0	0	0	7	4.5004
088	1.44	0	0	0	0	0	0	0	0	6	8.64	0	0	0	0	17	24.48	0	0	0	0	5	7.2	0	0	0	0	0	0	5	8.64

Totals (Sum of above columns)

Capacity	Pathogens	Nutrients	Pesticides	VOCs	Arsenic	Barium	Beryllium	Flouride	Lead	Mercury	Alpha	Radium	Uranium	Radon	DBPs
5.2406747	0	0	0	0	31.444048	0	0	89.091469	0	0	26.203373	0	0	0	34.149397

EPTDS Susceptibility Score _Susceptibility Rating (Total Contribution/Total Capacity)

Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs	
Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating
0	L	0	L	0	L	0	L	6	M	0	L	0	L	17	M	0	L	0	L	5	M	0	L	0	L	0	L	7	M
Inorganics														Radionuclides															
Rating														Rating															
M														M															

Notes:

1. Inorganics - (Groundwater highest rating of Arsenic, Barium, Beryllium, Flouride, and Lead)
(Surface Water-highest rating of Arsenic, Flouride, and Lead)
2. Radionuclides - (Groundwater-highest rating of Alpha, Radium, and Uranium)
(Surface Water-all sources and EPTDS are rated Low)
3. Pathogens - (Surface Water all sources and EPTDS are rated High)

EPTDS ID: 26

EPTDS Name: KINGSTON STATION

SFID	Capacity	Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs	
		SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC
091	0.29400	0	0	0	0	0	0	0	0	6	1.7640	0	0	0	0	17	4.9981	0	0	0	0	5	1.4700	0	0	0	0	0	0	5	1.7640
092	0.44222	0	0	0	0	0	0	0	0	6	2.6533	0	0	0	0	17	7.5177	0	0	0	0	5	2.2111	0	0	0	0	0	0	5	2.6533
093	0.28926	0	0	0	0	0	0	0	0	6	1.7355	0	0	0	0	17	4.9174	0	0	0	0	5	1.4463	0	0	0	0	0	0	7	2.3141

Totals (Sum of above columns)

Capacity	Pathogens	Nutrients	Pesticides	VOCs	Arsenic	Barium	Beryllium	Flouride	Lead	Mercury	Alpha	Radium	Uranium	Radon	DBPs
1.0254760	0	0	0	0	6.1528562	0	0	17.433092	0	0	5.1273801	0	0	0	6.7313699

EPTDS Susceptibility Score _Susceptibility Rating (Total Contribution/Total Capacity)

Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs	
Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating
0	L	0	L	0	L	0	L	6	M	0	L	0	L	17	M	0	L	0	L	5	M	0	L	0	L	0	L	7	M
Inorganics												Radionuclides																	
Rating												Rating																	
M												M																	

Notes:

- Inorganics - (Groundwater highest rating of Arsenic, Barium, Beryllium, Flouride, and Lead)
(Surface Water-highest rating of Arsenic, Flouride, and Lead)
- Radionuclides - (Groundwater-highest rating of Alpha, Radium, and Uranium)
(Surface Water-all sources and EPTDS are rated Low)
- Pathogens - (Surface Water all sources and EPTDS are rated High)

EPTDS ID: 27

EPTDS Name: LAUREL SPRINGS STATION

SFID	Capacity	Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs		
		SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	
097	0.36	0	0	0	0	0	0	0	0	6	2.16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	2.88
098	0.36	0	0	0	0	0	0	0	0	6	2.16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	2.88	
099	0.15085	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0.7542	7	1.2068		
100	0.10306	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0.5153	7	0.8245			
101	0.34075	0	0	0	0	0	0	0	0	6	2.0445	0	0	0	0	17	5.7928	0	0	0	0	5	1.7038	0	0	0	0	0	0	5	2.0445	
102	0.81024	0	0	0	0	0	0	0	0	6	4.8614	0	0	0	0	17	13.774	0	0	0	0	5	4.0512	0	0	0	0	0	0	7	6.4819	
103	0.16273	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0.8136	7	1.3018			
104	0.08623	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0.4311	7	0.6898			

Totals (Sum of above columns)

Capacity	Pathogens	Nutrients	Pesticides	VOCs	Arsenic	Barium	Beryllium	Flouride	Lead	Mercury	Alpha	Radium	Uranium	Radon	DBPs
2.3738493	0	0	0	0	11.225938	0	0	19.566825	0	0	5.7549486	0	0	2.5142979	18.309288

EPTDS Susceptibility Score _Susceptibility Rating (Total Contribution/Total Capacity)

Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs	
Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating
0	L	0	L	0	L	0	L	5	L	0	L	0	L	8	L	0	L	0	L	2	L	0	L	0	L	1	L	8	M
Inorganics												Radionuclides																	
Rating												Rating																	
L												L																	

Notes:

- Inorganics - (Groundwater highest rating of Arsenic, Barium, Beryllium, Flouride, and Lead)
(Surface Water-highest rating of Arsenic, Flouride, and Lead)
- Radionuclides - (Groundwater-highest rating of Alpha, Radium, and Uranium)
(Surface Water-all sources and EPTDS are rated Low)
- Pathogens - (Surface Water all sources and EPTDS are rated High)

EPTDS ID: 28

EPTDS Name: MAGNOLIA STATION

SFID	Capacity	Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs	
		SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC
107	0.95429	0	0	0	0	0	0	0	0	6	5.7257	0	0	0	0	17	16.223	0	0	0	0	5	4.7714	0	0	0	0	0	0	5	5.7257
108	0.83470	0	0	0	0	0	0	0	0	6	5.0082	0	0	0	0	17	14.19	0	0	0	0	5	4.1735	0	0	0	0	0	0	7	6.6776

Totals (Sum of above columns)

Capacity	Pathogens	Nutrients	Pesticides	VOCs	Arsenic	Barium	Beryllium	Flouride	Lead	Mercury	Alpha	Radium	Uranium	Radon	DBPs
1.7889897	0	0	0	0	10.733938	0	0	30.412825	0	0	8.9449486	0	0	0	12.403342

EPTDS Susceptibility Score _Susceptibility Rating (Total Contribution/Total Capacity)

Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs			
Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating		
0	L	0	L	0	L	0	L	6	M	0	L	0	L	17	M	0	L	0	L	5	M	0	L	0	L	0	L	0	L	7	M
Inorganics												Radionuclides																			
Rating												Rating																			
M												M																			

Notes:

- Inorganics - (Groundwater highest rating of Arsenic, Barium, Beryllium, Flouride, and Lead)
(Surface Water-highest rating of Arsenic, Flouride, and Lead)
- Radiounuclides - (Groundwater-highest rating of Alpha, Radium, and Uranium)
(Surface Water-all sources and EPTDS are rated Low)
- Pathogens - (Surface Water all sources and EPTDS are rated High)

EPTDS ID: 29

EPTDS Name: OLD ORCHARD STATION

SFID	Capacity	Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs	
		SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC
112	1.2781	0	0	0	0	0	0	0	0	6	7.6686	0	0	0	0	17	21.728	0	0	0	0	5	6.3905	0	0	0	0	0	0	7	10.225
113	1.73245	0	0	0	0	0	0	0	0	6	10.395	0	0	0	0	17	29.452	0	0	0	0	5	8.6622	0	0	0	0	0	0	5	10.395
114	1.97682	0	0	0	0	0	0	0	0	6	11.861	0	0	0	0	17	33.606	0	0	0	0	5	9.8841	0	0	0	0	0	0	5	11.861
115	1.152	0	0	0	0	0	0	0	0	6	6.912	0	0	0	0	17	19.584	0	0	0	0	5	5.76	0	0	0	0	0	0	5	6.912

Totals (Sum of above columns)

Capacity	Pathogens	Nutrients	Pesticides	VOCs	Arsenic	Barium	Beryllium	Flouride	Lead	Mercury	Alpha	Radium	Uranium	Radon	DBPs
6.1393664	0	0	0	0	36.836199	0	0	104.36923	0	0	30.696832	0	0	0	39.392390

EPTDS Susceptibility Score _Susceptibility Rating (Total Contribution/Total Capacity)

Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs			
Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating		
0	L	0	L	0	L	0	L	6	M	0	L	0	L	17	M	0	L	0	L	5	M	0	L	0	L	0	L	0	L	6	M
Inorganics												Radionuclides																			
Rating												Rating																			
M												M																			

Notes:

- Inorganics - (Groundwater highest rating of Arsenic, Barium, Beryllium, Flouride, and Lead)
(Surface Water-highest rating of Arsenic, Flouride, and Lead)
- Radionuclides - (Groundwater-highest rating of Alpha, Radium, and Uranium)
(Surface Water-all sources and EPTDS are rated Low)
- Pathogens - (Surface Water all sources and EPTDS are rated High)

EPTDS ID: 30

EPTDS Name: OTTERBROOK STATION

SFID	Capacity	Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs	
		SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC
116	1.17982	0	0	0	0	0	0	0	0	6	7.0789	0	0	0	0	17	20.057	0	0	0	0	5	5.8991	0	0	0	0	0	0	5	7.0789
120	1.512	0	0	0	0	0	0	0	0	6	9.072	0	0	0	0	17	25.704	0	0	0	0	5	7.56	0	0	0	0	0	0	7	12.096
121	1.74525	0	0	0	0	0	0	0	0	6	10.472	0	0	0	0	17	29.669	0	0	0	0	5	8.7263	0	0	0	0	0	0	7	13.962

Totals (Sum of above columns)

Capacity	Pathogens	Nutrients	Pesticides	VOCs	Arsenic	Barium	Beryllium	Flouride	Lead	Mercury	Alpha	Radium	Uranium	Radon	DBPs
4.4370753	0	0	0	0	26.622452	0	0	75.430281	0	0	22.185377	0	0	0	33.136959

EPTDS Susceptibility Score _Susceptibility Rating (Total Contribution/Total Capacity)

Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs	
Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating
0	L	0	L	0	L	0	L	6	M	0	L	0	L	17	M	0	L	0	L	5	M	0	L	0	L	0	L	7	M
Inorganics												Radionuclides																	
Rating												Rating																	
M												M																	

Notes:

1. Inorganics - (Groundwater highest rating of Arsenic, Barium, Beryllium, Flouride, and Lead)
(Surface Water-highest rating of Arsenic, Flouride, and Lead)
2. Radiounuclides - (Groundwater-highest rating of Alpha, Radium, and Uranium)
(Surface Water-all sources and EPTDS are rated Low)
3. Pathogens - (Surface Water all sources and EPTDS are rated High)

EPTDS ID: 31

EPTDS Name: RUNNEMEDE STATION

SFID	Capacity	Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs	
		SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC
123	0.63609	0	0	0	0	0	0	0	0	6	3.8165	0	0	0	0	17	10.814	0	0	0	0	5	3.1804	0	0	0	0	0	0	7	5.0887

Totals (Sum of above columns)

Capacity	Pathogens	Nutrients	Pesticides	VOCs	Arsenic	Barium	Beryllium	Flouride	Lead	Mercury	Alpha	Radium	Uranium	Radon	DBPs
0.6360890	0	0	0	0	3.8165342	0	0	10.813514	0	0	3.1804452	0	0	0	5.0887123

EPTDS Susceptibility Score _Susceptibility Rating (Total Contribution/Total Capacity)

Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs	
Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating
0	L	0	L	0	L	0	L	6	M	0	L	0	L	17	M	0	L	0	L	5	M	0	L	0	L	0	L	8	M

Inorganics										Radionuclides					
Rating										Rating					
M										M					

Notes:

- Inorganics - (Groundwater highest rating of Arsenic, Barium, Beryllium, Flouride, and Lead)
(Surface Water-highest rating of Arsenic, Flouride, and Lead)
- Radionuclides - (Groundwater-highest rating of Alpha, Radium, and Uranium)
(Surface Water-all sources and EPTDS are rated Low)
- Pathogens - (Surface Water all sources and EPTDS are rated High)

EPTDS ID: 32

EPTDS Name: SOMERDALE STATION

SFID Capacity	Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs	
	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC
125 0.56541	0	0	0	0	0	0	0	0	6	3.3925	0	0	0	0	17	9.6120	0	0	0	0	5	2.8271	0	0	0	0	0	0	7	4.5233

Totals (Sum of above columns)

Capacity	Pathogens	Nutrients	Pesticides	VOCs	Arsenic	Barium	Beryllium	Flouride	Lead	Mercury	Alpha	Radium	Uranium	Radon	DBPs
0.5654144	0	0	0	0	3.3924863	0	0	9.6120445	0	0	2.8270719	0	0	0	4.5233151

EPTDS Susceptibility Score _Susceptibility Rating (Total Contribution/Total Capacity)

Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs	
Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating
0	L	0	L	0	L	0	L	6	M	0	L	0	L	17	M	0	L	0	L	5	M	0	L	0	L	0	L	8	M

Inorganics	Radionuclides
Rating	Rating
M	M

Notes:

- Inorganics - (Groundwater highest rating of Arsenic, Barium, Beryllium, Flouride, and Lead)
(Surface Water-highest rating of Arsenic, Flouride, and Lead)
- Radionuclides - (Groundwater-highest rating of Alpha, Radium, and Uranium)
(Surface Water-all sources and EPTDS are rated Low)
- Pathogens - (Surface Water all sources and EPTDS are rated High)

EPTDS ID: 33

EPTDS Name: VOORHEES STATION

SFID	Capacity	Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs	
		SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC		
131	1.44	0	0	0	0	0	0	0	0	6	8.64	0	0	0	0	17	24.48	0	0	0	0	5	7.2	0	0	0	0	0	0	7	11.52

Totals (Sum of above columns)

Capacity	Pathogens	Nutrients	Pesticides	VOCs	Arsenic	Barium	Beryllium	Flouride	Lead	Mercury	Alpha	Radium	Uranium	Radon	DBPs
1.44	0	0	0	0	8.64	0	0	24.48	0	0	7.2	0	0	0	11.52

EPTDS Susceptibility Score _Susceptibility Rating (Total Contribution/Total Capacity)

Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs	
Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating		
0	L	0	L	0	L	0	L	6	M	0	L	0	L	17	M	0	L	0	L	5	M	0	L	0	L	0	L	8	M

Inorganics	Radionuclides
Rating	Rating
M	M

Notes:

- Inorganics - (Groundwater highest rating of Arsenic, Barium, Beryllium, Flouride, and Lead)
(Surface Water-highest rating of Arsenic, Flouride, and Lead)
- Radionuclides - (Groundwater-highest rating of Alpha, Radium, and Uranium)
(Surface Water-all sources and EPTDS are rated Low)
- Pathogens - (Surface Water all sources and EPTDS are rated High)

EPTDS ID: 34

EPTDS Name: MURRAY AVE AQUIFER STORAGE & R

SFID	Capacity	Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs	
		SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC	SS	SC		
170	0.30926	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1.5463	0	0	0	0	0	0	7	2.4741

Totals (Sum of above columns)

Capacity	Pathogens	Nutrients	Pesticides	VOCs	Arsenic	Barium	Beryllium	Flouride	Lead	Mercury	Alpha	Radium	Uranium	Radon	DBPs
0.3092568	0	0	0	0	0	0	0	0	0	0	1.5462842	0	0	0	2.4740548

EPTDS Susceptibility Score _Susceptibility Rating (Total Contribution/Total Capacity)

Pathogens		Nutrients		Pesticides		VOCs		Arsenic		Barium		Beryllium		Flouride		Lead		Mercury		Alpha		Radium		Uranium		Radon		DBPs	
Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating	Score	Rating		
0	L	0	L	0	L	0	L	0	L	0	L	0	L	0	L	0	L	0	L	5	M	0	L	0	L	0	L	8	M

Inorganics	Radionuclides
Rating	Rating
L	M

Notes:

- Inorganics - (Groundwater highest rating of Arsenic, Barium, Beryllium, Flouride, and Lead)
(Surface Water-highest rating of Arsenic, Flouride, and Lead)
- Radionuclides - (Groundwater-highest rating of Alpha, Radium, and Uranium)
(Surface Water-all sources and EPTDS are rated Low)
- Pathogens - (Surface Water all sources and EPTDS are rated High)