

| Application Type | Renewal |
|------------------|---------|
| Facility Type | Sewage |
| Major / Minor | Major |

NPDES PERMIT FACT SHEET ADDENDUM No. 1

| Application No. | PA0027049 |
|------------------|-----------|
| APS ID | 1062405 |
| Authorization ID | 1394705 |

Applicant and Facility Information

| Applicant Name | Williamsport Sanitary Authority | Facility Name | WSA West Plant | | | | | |
|------------------------|---------------------------------------|---|--|--|--|--|--|--|
| Applicant Address | 253 W 4th Street | Facility Address | 26 Arch Street | | | | | |
| | Williamsport, PA 17701-6113 | | Williamsport, PA 17701-7828 | | | | | |
| Applicant Contact | Michael Miller | Facility Contact | Brittany Laninger | | | | | |
| Applicant Phone | (570) 323-6140 | Facility Phone | (570) 323-5894 | | | | | |
| Client ID | 70278 | Site ID | 261608 | | | | | |
| SIC Code | 4952 | Municipality | City of Williamsport | | | | | |
| SIC Description | Trans. & Utilities - Sewerage Systems | County | Lycoming | | | | | |
| Date Published in PA E | Bulletin February 25, 2023 | EPA Waived? | No | | | | | |
| Comment Period End | Date March 26, 2023 | If No, Reason | Major Facility, Significant CB Discharge | | | | | |
| Purpose of Application | _Application for a renewal of an NPI | Application for a renewal of an NPDES permit for discharge of treated sewage. | | | | | | |

Internal Review and Recommendations

Comments dated March 23, 2023 were received from Williamsport Sanitary Authority. The comments and DEP responses are as follows:

1. <u>Comment</u>: Sodium Hypochlorite - On page 4 of the Fact Sheet the disinfection type is listed as gas chlorine. The West Plant uses sodium hypochlorite.

Response: DEP has made the necessary corrections to its internal database.

2. <u>Comment</u>: River Mile Index - Page 2 of the Fact Sheet and page 2 of the draft permit list the River Mile Index (RMI) as 41.58. The existing permit lists the RMI as 41.3. Please verify the correct RMI.

Response: DEP will use 41.3 to mirror the most recent renewal.

3. <u>Comment</u>: Outfall 002, Page 4 - The Arch Street CSO Outfall is identified as Outfall 003 on page 4 of the draft permit and page 2 of the Fact Sheet. In all prior permits and wet weather related documents this outfall has been referred to as Outfall 002.

Response: The Arch Street CSO has been corrected to Outfall 002.

4. <u>Comment</u>: Osmotic Pressure - Osmotic Pressure is listed as a parameter on page 2 of the draft permit and page 3 of the Fact Sheet to be monitored once a week.

| Approve | Return | Deny | Signatures | Date |
|---------|--------|------|--|--------------------|
| Х | | | Derek S. Garner / Project Manager | September 18, 2023 |
| х | | | M. Z. M. Nicholas W. Hartranft, P.E. / Environmental Engineer Manager | September 22, 2023 |

The downstream USGS Site Number 1551500 (Market Street W. Branch Susquehanna River) had an average of 2.16 mOs/Kg between 2010 and 2019 which is far below the Water Quality Standard of 50 mOs/Kg.

Osmotic Pressure is not a typical test run on treated wastewater effluent samples. This is evident because there is no method for this parameter listed in 40 CFR Part 136. There is an interim method, however there is no PaDEP target quantitation limit established for osmotic pressure. In addition, there is also no recognized proficiency test for osmotic pressure which ensures accredited laboratories are providing accurate testing results for that parameter. For the past several years, there have only been a few PaDEP accredited laboratories that maintain accreditation for osmotic pressure and they all reference the same procedure. This procedure is an uncontrolled document from the Bureau of Laboratories which contract laboratories routinely modify for their testing purposes. Upon reviewing the draft permit which includes the addition of osmotic pressure with limitations and a monitoring frequency of weekly. the WSA reached out directly to several PaDEP accredited laboratories that analyze this parameter, including the largest laboratory in Pennsylvania, ALS Global laboratory in Middletown, Pennsylvania. The responses received from the laboratories were consistent and concerning to the WSA. All the laboratories contacted indicated that osmotic pressure is a problematic test to run and very few requests are received to run it on wastewater effluent. In fact, most requests for that parameter are from gas drilling companies for brine samples or on acid mine drainage creek samples. The Technical Director of ALS Global, further indicated that their osmotic pressure testing is currently not available due to instrument issues. This particular laboratory is currently subcontracting this parameter to another laboratory which is creating issues with holding time. After speaking with this laboratory, the WSA reached out to the second largest laboratory in the country, Pace Analytical Services, and spoke with their management about osmotic pressure testing. This laboratory indicated that they do not offer osmotic pressure testing and that they have no interest in adding it due to the instrumentation costs and the lack of customer requests.

The WSA reviewed PaDEP's Guidance Document (391-2000-008) titled: Interim Method for the Sampling and Analysis of Osmotic Pressure on Streams, Brines, and Industrial Discharges. This is the method that all Pennsylvania accredited laboratories currently use to analyze wastewater effluent samples because there is no approved method in 40 CFR Part 136. This Guidance Document represents PaDEP's initial development work in the field of osmotic pressure and is intended to be updated and revised as new problems or concerns arise. The purpose of the Guidance Document is to provide guidance to regional investigators, to clarify the use and applicability of osmotic pressure in writing permits and to document the osmotic pressure research performed in the Bureau of Laboratories. This document states that osmotic pressure is directly related to the Total Dissolved Solids content in the sample. Specifically, page 10 of the document says: "The osmotic pressure of a compound in solution depends on its ionization, or degree to which the compound dissolves, since it is the dissolved ions which exert the osmotic pressure."

Based on the positive correlation between osmotic pressure and total dissolved solids that is indicated in the PaDEP's guidance document, the WSA believes that total dissolved solids (TDS) analysis would be an acceptable surrogate for osmotic pressure analysis. Total dissolved solids would be a more reliable and accurate test to perform on treated wastewater effluent samples for compliance monitoring because TDS is approved in 40 CFR Part 136 and has a recognized PaDEP target quantitation limit. Increasing the frequency of total dissolved solids monitoring at the WSA West Plant from monthly to weekly and removing osmotic pressure monitoring would provide the PaDEP with much more reliable and higher quality data. In addition, the WSA laboratory already has the ability to analyze and is accredited for total dissolved solids analysis and routinely passes proficiency test samples for this parameter.

Based on conversations with contract laboratory representatives regarding osmotic pressure testing and learning of their concerns with poor reliability of instrumentation, and downtime, the WSA would certainly face continuous monitoring violations which would be based on laboratory issues and not necessarily water quality issues.

The WSA requests that osmotic pressure be removed from the draft permit and total dissolved solids monitoring be increased to weekly. If osmotic pressure remains on the draft permit, please provide the PaDEP target quantitation limit.

<u>Response</u>: After internal discussion, DEP believes that an effluent limit for osmotic pressure is not warranted for this discharge based on WSA's findings above. DEP agrees that retaining TDS requirements will provide ample characterization of the wastewater in lieu of sampling for osmotic pressure.

5. <u>Comment</u>: Copper - The total copper monitoring frequency on page 3 of the draft permit is increased from once per month in the current permit to once per week. A review of the previous permit renewal application package for the

West Plant revealed the daily maximum for copper to be 11 ug/L and the long term average reported in the recent permit renewal package was 9.3 ug/L. Because there is not an apparent increase, and the reported values on the permit renewal application are less than 25% of the WQBEL, the WSA requests that PaDEP use its permitting discretion to reduce the monitoring frequency in the draft permit from one per week to one per month which is consistent with the current permit since it is a monitor only parameter.

Response: The monitoring frequency for total copper now matches existing requirements of 1/month.

6. <u>Comment</u>: Free Cyanide - Free cyanide on page 3 of the draft permit has a monitoring frequency of once per week and no limitation. The WSA submitted three results in the permit renewal application all of which were less than 50% of the WQBEL. The WSA requests that PaDEP use its permitting discretion to reduce the monitoring frequency from once per week to once per month since it is a monitor only parameter.

<u>Response</u>: The monitoring frequency for free cyanide has been changed from 1/week to 1/month to match existing reporting requirements for other pollutants.

7. <u>Comment</u>: Mercury - Mercury on Page 3 of the draft permit has a monitoring frequency of once per month and no limitation. The WSA requests that DEP use its permitting discretion to reduce the monitoring frequency from one per month to one per quarter since it is a monitor only parameter and only two of the twenty-three effluent samples submitted with the permit application had detectable results. Additionally, of the two, only one was greater than 10% of the Governing WQBEL.

<u>Response</u>: DEP believes a monitoring frequency of 1/month is appropriate for mercury. A monthly monitoring frequency will provide DEP with further data points to characterize the wastewater and is in line with other monthly reporting requirements in the permit.

 <u>Comment</u>: Bromoform - In 2016, the WSA received a draft permit which included bromoform. At that time, the WSA commented that "the 0.75 fate coefficient was not used in the PENTOXSD results as indicated in the Fact Sheet. The DEP response was:

"Fate coefficients for bromoform, dichlorobromomethane, and chloroform were recalculated using the model run resulting from the revised RMIs. As outlined in Fact Sheet Addendum No. 1, the general estimation method recommended by DEP guidance Protocol for Estimating First Order Pollutant Fate Coefficients for Volatile Organic Substances (391-2000-020, 11/22/02) was used. A k_v/k_r ratio of 0.5 was used for bromoform and dichlorobromomethane and 0.57 for chloroform, resulting in fate coefficients of 2.65 and 3.02, respectively."

The WSA requests that PaDEP rerun PENTOXSD using a fate coefficient of 2.65 for bromoform. This should result in bromoform being a monitor only parameter and the monitoring frequency be maintained as monthly as it is in the current permit.

<u>Response</u>: Since the most recent renewal of the West Plant's NPDES permit, DEP has discontinued use of PENTOXSD and moved on to the Toxics Management Spreadsheet. As part of its data validation, the spreadsheet can only accept fate coefficients up to a maximum of one. Using the maximum permissible fate coefficient of one results in the following changes to the proposed bromoform limits:

| | | Effluent Lim | itations | | | | | | | | | | |
|----------|--|--------------|----------|------|------|--|--|--|--|--|--|--|--|
| | Mass Units (Ibs/day) Concentrations (ug/L) | | | | | | | | | | | | |
| | Avg Mo Daily Max Avg Mo Daily Max | | | | | | | | | | | | |
| Previous | 26 | 40 | 794 | 1222 | 1985 | | | | | | | | |
| Proposed | 42.8 | 65.9 | 1309 | 2015 | 3273 | | | | | | | | |

9. <u>Comment</u>: Bromide - Bromide is listed as a parameter on page 3 of the draft permit, however page 8 of the Fact Sheet indicates that reporting requirements for bromide are no longer required. Further, bromide is not a recommended monitoring requirement on page 16 of the Toxic Management Spreadsheet. The WSA requests that the parameter be removed from page 3 of the draft permit.

Response: DEP has removed bromide from the permit per the fact sheet's justification.

10. <u>Comment</u>: Thallium - The WSA requests that total thallium be removed from page 3 of the draft permit because the maximum discharge concentration reported on the permit renewal application is less than 10% of the Governing WQBEL as shown on page 17 of the Toxic Management Spreadsheet.

<u>Response</u>: Total thallium has been removed from the permit per the Toxic Management Spreadsheet's recommendations.

11. <u>Comment</u>: Zinc - Total zinc was added to the draft permit on page 3 with a frequency of monthly. The 2016 permit renewal application for the West Plant reported a zinc maximum daily value of 63 ug/L and a long term average of 31 ug/L. The current renewal application reported a maximum daily value of 42 ug/L and a long term average of 28 ug/L, which are less than the value reported for the previous permit renewal application. The WSA requests that the frequency of zinc monitoring on page 3 of the draft permit be reduced from monthly to quarterly since the values reported on the permit renewal application are less than 25% of the WQBEL and it is a monitoring only parameter.

<u>Response</u>: DEP generally establishes reporting requirements for conservative pollutants, such as total zinc, when the discharge concentration exceeds 10% of the water quality-based effluent limitation. There does not appear to be a justification to deviate from standard operating procedure in this scenario. Additionally, DEP believes a monthly monitoring frequency is appropriate to provide further data points to characterize the wastewater and is in line with other monthly reporting requirements in the permit.

12. <u>Comment</u>: N-Nitrosodi-N-Propylamine - Eight sample results for this parameter were included in the permit application. Of those eight, seven were reported as non-detected. Since submission of the permit application, five additional samples have been collected and analyzed. All of these additional samples were reported as non-detected, with results below the DEP required target quantitation limit. Only one of the thirteen samples for this parameter, just under 8% of the total number of samples analyzed and the first sample collected, had a detectible level of the pollutant. The WSA requests that the single detected sample be considered an outlier and not used in the Toxics Management Spreadsheet (TMS) model. If this one sample was excluded, the TMS program would not return a monitoring or limitation recommendation, resulting in removal of this parameter from the draft permit.

Additionally, if it is not possible to exclude the outlier sample as requested above, the WSA requests that DEP reconsider the instantaneous maximum concentration limitation. The proposed instantaneous maximum concentration limitation in the draft permit is 1.42 µg/L, which is an order of magnitude below the DEP-required target quantitation limit of 5.0 µg/L as listed in DEP's Permit Application Instructions "Target Quantitation Limits (QLs) for Effluent Analysis of Pollutant Groups, 8/2021." While some laboratories report MDLs lower than this target, the MDL varies significantly from laboratory to laboratory and can be affected by method interferences, making it very difficult to consistently and accurately test against the proposed limit. To illustrate, seven of the eight non-detected sample results included in the permit application utilized a test method with an MDL that was 10% of the DEP-required target quantitation limit. Even so, the WSA would have been in violation of the proposed monthly average mass limitation for 100% of the reported results if these sample results would have been utilized for compliance reporting as proposed in the draft permit. Further, seven non-detected sample results included in the permit application was submitted would have yielded violations of the average concentration limitations proposed in the draft permit if these samples would have been utilized for compliance reporting.

The WSA requests that this parameter be removed from the draft permit. If not removed, the WSA requests that monitoring be reduced to quarterly with no limits imposed.

<u>Response</u>: To allow WSA to demonstrate compliance with the proposed effluent limits for n-Nitrosodi-n-Propylamine DEP has proposed the following condition Part C of the permit:

1. The parameter(s) listed below are subject to water quality-based effluent limits (WQBELs) in Part A of this permit that are necessary to comply with state water quality standards, but may be less than quantitation limits (QLs), as defined in 25 Pa. Code § 252.1, that are generally achievable by conventional analytical technology. The permittee shall analyze the parameter(s) using methods that will achieve the QL(s) as listed below. For the purpose of compliance, a statistical value reported on the DMR that is less than the QL(s) (i.e., "non-detect") will be considered to be in compliance.

Parameter NameQuantitation LimitN-Nitrosodi-N-Propylamine5 µg/l

- 2. The permittee shall, where determined to be feasible by the permittee, achieve a QL less than the QL identified above to improve the level of confidence that state water quality standards are being met in the receiving waters.
- 3. The permittee shall manage non-detect values and report statistical results to DEP in accordance with published DMR guidance (3800-BK-DEP3047). Where a mixed data set exists containing non-detect results and "detected" values (i.e., results greater than or equal to the QL), the QL shall be used for non-detect results to compute average statistical results.
- 13. <u>Comment</u>: WET Page 31 indicates that 4 is the facility-specific Target In-Stream Waste Concentration (TIWC). Prior permits have indicated that the TIWC is 4 percent. Please clarify that the TIWC value is 4 percent.

Response: The TIWC is 4%.

14. <u>Comment</u>: BMP Inspections - Part VII.D, Routine Inspections, requires semi-annual inspections of areas contributing to a stormwater discharge associated with industrial activity. The WSA requests that these inspections be reduced to annual to be consistent with the MS4 permit requirements for BMP inspections.

<u>Response</u>: To ensure the permit is at least as stringent as a general stormwater permit, DEP believes a semiannual inspection requirement is appropriate.

15. <u>Comment</u>: Stormwater Drainage Area - Part VII.A. of the draft permit lists the stormwater drainage area as 6,449 square feet. The current permit lists the drainage area correctly as 4.5 acres which would be 196,020 square feet. The WSA requests that the correct drainage area be used in the draft permit.

Response: DEP has corrected the drainage area to 196,020 sq. ft.

16. <u>Comment</u>: UPCM Plan - The WSA understands that the LTCP Implementation Schedule in Part III.C.3 requires a UPCM Plan that addresses E. coli monitoring to be submitted no later than May 1, 2025.

Response: WSA's understanding is correct.

Comments from EPA were received via email dated March 20, 2023. The comments and DEP responses are as follows:

- 1. **<u>Comment</u>**: EPA does not have any comments regarding the Chesapeake Bay TMDL, WET, or Pretreatment.
- 2. <u>Comment</u>: We would like to note that EPA's review of the CSO portion of this permit reflects the recent understanding between the EPA Region III Water Director and PADEP Deputy Secretary for Water Programs regarding how to proceed with reissuance of permits with CSOs and LTCPs consistent with Section 402(q) of the CWA and EPA's 1994 CSO Policy. As you know, consistent with that understanding, PADEP has committed to making changes to its CSO program as noted in the its June 9, 2020 letter to EPA and its April 15, 2020 memo (see attached). PADEP's memo documents its commitment to initiate the regulatory revisions process for modifying its compliance schedule regulations at 25 Pa. Code § 92a.51(a), so that schedules for LTCP implementation can be placed in an NPDES permit. PADEP will draft CSO permits using the template language agreed upon by PADEP and EPA. EPA notes that once PADEP's compliance schedule regulations are revised and final, the template language will need to be modified to incorporate a CSO compliance schedule that meets the requirements of 40 CFR 122.47 and includes the final compliance date for LTCP implementation. EPA's Phase 2 e-Reporting rule requires electronic reporting of Sewer Overflow/Bypass Events, and PADEP will need to make modifications to this template that will be necessary to address the requirements of the e-Reporting rule that is effective at the time that the permit is issued.

In addition, consistent with the understanding between EPA and PADEP, since PADEP's proposed seasonal E. coli water quality standard became effective in March 2021, PADEP will begin to incorporate E. coli monitoring in subsequently reissued NPDES permits and ensure it is included in CSO post-construction compliance monitoring (PCCM) plans to verify compliance with water quality standards and designated uses. Consistent with the CSO

Policy, EPA notes that there will also need to be a requirement added to implement a PCCM plan with an established schedule in NPDES permits once a facility begins to implement its approved plan.

EPA offers the following CSO comments based on the draft permit, LTCP and supporting documents:

A. Regarding the Permit: The permit describes the design conditions as being "developed using National Oceanic and Atmospheric Administration (NOAA)'s Climatography of the United States No. 81, Monthly Station Normals of Temperature, Precipitation and Heating and Cooling Degree Days data as outlined in the LTCP", Part C.III.C.2. Although the permit does include the statement referenced above, it is hard to determine the average conditions (such as the typical year rainfall) upon which the CSO controls were based. We would recommend the permit more clearly define what the design conditions actually are in the LTCP.

<u>Response</u>: DEP believes the existing language at Part C.III.C.2 is appropriate since is it taken directly from the approved LTCP.

An internal review of the draft permit did not yield any comments.

Based on the above responses, it is recommended that the permit is redrafted and published in the PA Bulletin for an additional thirty day commenting period.



Discharge Information

Instructions Discharge Stream Facility: Williamsport Sanitary Authority West Plant NPDES Permit No.: PA0027049 Outfall No.: 001 **Evaluation Type:** Major Sewage / Industrial Waste Wastewater Description: Sewage **Discharge Characteristics** Partial Mix Factors (PMFs) **Complete Mix Times (min) Design Flow** pH (SU)* Hardness (mg/l)* (MGD) Q₇₋₁₀ AFC CFC тнн CRL Qh 3.92 136 7 0 if left blank 0.5 if left blank 0 if left blank 1 if left blank Max Discharge Trib Stream Daily Hourly Strea Fate Criteri Chem FOS **Discharge Pollutant** Units Conc Conc Conc m CV Coeff C۷ C۷ a Mod Transl Total Dissolved Solids (PWS) mg/L 3105.01721 0.2787 Chloride (PWS) mg/L 1790.75231 0.3386 Group Bromide mg/L 33.7779967 0.6764 204.814996 0.2683 Sulfate (PWS) mg/L Fluoride (PWS) 320 µg/L Total Aluminum 28 µg/L **Total Antimony** µg/L 1.7 **Total Arsenic** 2.5 µg/L **Total Barium** µg/L 56 Total Beryllium µg/L < 0.1 Total Boron µg/L 170 Total Cadmium 0.16 µg/L < Total Chromium (III) µg/L 1.1 Hexavalent Chromium 0.065 µg/L **Total Cobalt** µg/L 0.83 < Total Copper 13.2289 0.4506 µg/L 2 Free Cyanide µg/L 27 Group Total Cyanide µg/L 30 **Dissolved Iron** µg/L 100 Total Iron µg/L 140 1.6 Total Lead µg/L **Total Manganese** µg/L 68 **Total Mercury** µg/L 0.23 Total Nickel 5.2 µg/L Total Phenols (Phenolics) (PWS) 4 µg/L Total Selenium 3.4 µg/L Total Silver µg/L 0.33 < Total Thallium µg/L 0.49 Total Zinc 42 µg/L Total Molybdenum 12 µg/L 1.3 Acrolein µg/L < Acrylamide µg/L < Acrylonitrile µg/L < 2 0.6 Benzene µg/L < Bromoform µg/L 1112.6641 3.111 < 1

| | Carbon Tetrachloride | µg/L | < | 1.2 | | | | | |
|-----|-----------------------------|----------|--------|---------|-------------|--------|--|------|--|
| | Chlorobenzene | µg/L | | 1.3 | | | | | |
| | Chlorodibromomethane | µg/L | | 20.5976 | | 0.8758 | | | |
| | Chloroethane | ua/L | < | 2.4 | | | | | |
| | 2-Chloroethyl Vinyl Ether | ua/L | < | 15.7 | | | | | |
| | Chloroform | ua/L | < | 1.3 | | | | | |
| | Dichlorobromomethane | ug/l | | 2 6082 | | 0 9488 | | | |
| | 1 1-Dichloroethane | µg/L | / | 0.25 | 8 | 0.0400 | | | |
| | 1.2 Dichloroothana | µg/∟ | | 0.25 | 0 | | | | |
| 0 3 | | µg/L | ` ` | 0.0 | | | | | |
| Inc | | µg/L | < | 0.05 | | | | | |
| ē | 1,2-Dichloropropane | µg/L | < | 1.3 | 0 | | | | |
| - | 1,3-Dichloropropylene | µg/L | < | 1.1 | | | | | |
| | 1,4-Dioxane | µg/L | < | 42.1 | | | | | |
| | Ethylbenzene | µg/L | < | 1 | 5 0 0 | | | | |
| | Methyl Bromide | µg/L | < | 24.4 | | | | | |
| | Methyl Chloride | µg/L | < | 1.7 | | | | | |
| | Methylene Chloride | µg/L | < | 2.5 | | | | | |
| | 1,1,2,2-Tetrachloroethane | µg/L | < | 1.9 | | | | | |
| | Tetrachloroethylene | µg/L | < | 1.4 | | | | | |
| | Toluene | µg/L | < | 1.2 | | | | | |
| | 1,2-trans-Dichloroethylene | µg/L | < | 0.4 | | | | | |
| | 1,1,1-Trichloroethane | µg/L | < | 0.6 | | | | | |
| | 1,1,2-Trichloroethane | µg/L | < | 0.65 | | | | | |
| | Trichloroethylene | ua/L | < | 1.5 | 0 | | | | |
| | Vinvl Chloride | ug/l | < | 0.33 | | | | | |
| | 2-Chlorophenol | µg/L | _ | 0.38 | 5 5 | | | | |
| | | µg/L | | 0.00 | | | | | |
| | 2.4 Dimothylabonal | µg/L | · · | 0.45 | | | | | |
| | | µg/L | ` | 0.40 | | | | | |
| 4 | | µg/L | | 1.3 | | | | | |
| dr | | µg/L | < | 2.8 | | | | | |
| 2 | 2-Nitrophenol | µg/L | < | 0.38 | | | | | |
| G | 4-Nitrophenol | µg/L | < | 1.3 | | | | | |
| | p-Chloro-m-Cresol | µg/L | < | 0.38 | | | | | |
| | Pentachlorophenol | µg/L | < | 1.7 | | | | | |
| | Phenol | µg/L | < | 0.25 | | | | | |
| | 2,4,6-Trichlorophenol | µg/L | < | 0.46 | | | | | |
| | Acenaphthene | µg/L | < | 0.39 | | | | | |
| | Acenaphthylene | µg/L | < | 0.38 | | | | | |
| | Anthracene | µg/L | < | 0.39 | | | | | |
| | Benzidine | µg/L | < | 2.4 | | | | | |
| | Benzo(a)Anthracene | µg/L | < | 0.4 | | | | | |
| | Benzo(a)Pyrene | µg/L | < | 0.35 | | | | | |
| | 3,4-Benzofluoranthene | µg/L | < | 0.39 | | | | | |
| | Benzo(ahi)Pervlene | ua/L | < | 0.41 | | | | | |
| | Benzo(k)Fluoranthene | µa/l | < | 0.38 | | | | | |
| | Bis(2-Chloroethoxy)Methane | ug/l | < | 0.43 | | | | | |
| | Bis(2-Chloroethyl)Ether | ug/L | < | 0.37 | | | | | |
| | Bis(2-Chloroisopropyl)Ether | µg/L | _ | 0.43 | | | | | |
| | Bis(2-Ethylbeyyl)Phthalate | µg/L | _ | 0.40 | | | | | |
| | 4 Bromonhanyl Phonyl Ethor | µg/L | | 0.13 | 0 | | | | |
| | | µy/L | ` | 0.44 | | | | | |
| | | µg/L | < | 0.57 | | | | | |
| | 2-Chioronaphthalene | µg/L | < | 0.39 | | | | | |
| | 4-Chlorophenyl Phenyl Ether | µg/L | < | 0.39 | - | | | | |
| | Cnrysene | µg/L | < | 0.41 | | | | | |
| | Dibenzo(a,h)Anthrancene | µg/L | < | 0.42 | | | | | |
| | 1,2-Dichlorobenzene | µg/L | < | 1.9 | | | | | |
| | 1,3-Dichlorobenzene | µg/L | < | 2.2 | | | | | |
| 2 | 1,4-Dichlorobenzene | µg/L | < | 2.2 | | | | | |
| dn | 3,3-Dichlorobenzidine | µg/L | < | 1 | | | | | |
| S | Diethyl Phthalate | µg/L | < | 0.55 | | | | | |
| 9 | Dimethyl Phthalate | µg/L | < | 0.41 | | | | | |
| | Di-n-Butyl Phthalate | µg/L | | 0.63 | | | | | |
| | 2,4-Dinitrotoluene | µg/L | < | 0.44 | | | | | |

| ĺ | 2,6-Dinitrotoluene | µq/L | | 0.82 | | | | | |
|-----|---------------------------|--------------|---|-------|--|--|------|--|--|
| | Di-n-Octvl Phthalate | ua/L | < | 0.86 | | | | | |
| | 1.2-Diphenylhydrazine | ug/l | < | 0.37 | | | | | |
| | Fluoranthene | ug/L | ~ | 0.42 | | | | | |
| | Fluorene | ug/L | ~ | 0.37 | | | | | |
| | Hexachlorobenzene | ug/L | ~ | 0.42 | | | | | |
| | Hexachlorobutadiene | ug/L | ~ | 0.48 | | | | | |
| | Hexachlorocyclopentadiene | ug/L | ~ | 0.72 | | | | | |
| | Hexachloroethane | µ9/L | | 0.72 | | | | | |
| | Indeno(1.2.3-cd)Pyrene | µg/L | | 0.30 | | | | | |
| | | µ9/L | | 0.03 | | | | | |
| | Nanbthalene | µg/L | | 0.42 | | | | | |
| | Nitrobenzene | µg/∟ ⊔g/l | | 0.55 | | | | | |
| | n-Nitrosodimethylamine | µg/∟ ⊔g/l | | 1 1 | | | | | |
| | n-Nitrosodi-n-Propylamine | µg/L | ' | 0.8 | | | | | |
| | n-Nitrosodiphenylamine | µg/∟ | / | 0.0 | | | | | |
| | Phononthrono | µg/∟ | | 0.40 | | | | | |
| | Puropo | µg/L | | 0.30 | | | | | |
| | 124 Trichlorobonzono | µg/L | | 0.41 | | | | | |
| | Aldrin | µg/L | | 0.41 | | | | | |
| | | µg/L | | 0.007 | | | | | |
| | hoto BUC | µg/L | | 0.011 | | | | | |
| | | µg/L | < | 0.012 | | | | | |
| | | µg/L | < | 0.012 | | | | | |
| | Chlordono | µg/L | < | 0.014 | | | | | |
| | | µg/L | < | 0.07 | | | | | |
| | 4,4-DDT | µg/L | < | 0.034 | | | | | |
| | 4,4-DDE | µg/∟ | < | 0.019 | | | | | |
| | 4,4-DDD | µg/L | < | 0.019 | | | | | |
| | | µg/∟ | < | 0.011 | | | | | |
| | alpha-Endosulfan | µg/L | < | 0.01 | | | | | |
| 9 | Dela-Eridosullari | µg/∟ | < | 0.011 | | | | | |
| dn | Endosulian Sullate | µg/L | < | 0.014 | | | | | |
| roi | | µg/L | < | 0.013 | | | | | |
| G | | µg/∟ | < | 0.014 | | | | | |
| | | µg/∟ | < | 0.011 | | | | | |
| | | µg/∟ | < | 0.01 | | | | | |
| | PCB-1016 | µg/L | < | | | | | | |
| | PCB-1221 | µg/L | < | | | | | | |
| | PCB-1232 | µg/L | < | | | | | | |
| | PCB-1242 | µg/L | < | | | | | | |
| | PCB-1240 | µg/L | < | | | | | | |
| | PCB-1254 | µg/∟ | < | | | | | | |
| | PCB-1260 | µg/L | < | | | | | | |
| | PCBS, Total | µg/L | < | 0.0 | | | | | |
| | | µg/∟ | < | 0.2 | | | | | |
| | | ng/L | < | 0.05 | | | | | |
| | Gross Alpha | pCI/L | | 9.65 | | | | | |
| 7 | | pCI/L | | 22.6 | | | | | |
| nc | Radium 226/228 | pCI/L | | 0.876 | | | | | |
| Gre | Total Strontium | µg/L | | 230 | | | | | |
| • | Total Uranium | µg/L | | 1.71 | | | | | |
| | Osmotic Pressure | mOs/kg | | | | | | | |
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Stream / Surface Water Information

Williamsport Sanitary Authority West Plant, NPDES Permit No. PA0027049, Outfall 001

• Statewide Criteria

○ Great Lakes Criteria
○ ORSANCO Criteria

Instructions Discharge Stream

Receiving Surface Water Name: West Branch Susquehanna River

No. Reaches to Model: 1

| Location | Stream Code* | RMI* | Elevation (ft)* | DA (mi²)* | Slope (ft/ft) | PWS Withdrawal (MGD) | Apply Fish Criteria* |
|--------------------|--------------|-------|--------------------|-----------|---------------|-------------------------|-------------------------|
| Point of Discharge | 018668 | 41.58 | 499 | 5380 | | | Yes |
| End of Reach 1 | 018668 | 41.1 | 498 | 5670 | | | Yes |

Q 7-10

| Location | RMI | LFY | Flow (cfs) | | W/D Width | | Depth Velocit | Velocit | Velocit Timo | Tributary | | Stream | | Analysis | |
|--------------------|-------|-------------------------|------------|-----------|-----------|------|---------------|---------|--------------|-----------|----|-----------|-----|----------|----|
| | | (cfs/mi ²)* | Stream | Tributary | Ratio | (ft) | (ft) | y (fps) | (days) | Hardness | pН | Hardness* | pH* | Hardness | pН |
| Point of Discharge | 41.58 | 0.104 | | | | | | | | | | 76 | 1 | | |
| End of Reach 1 | 41.1 | 0.104 | | | | | | | | | | 76 | 7 | | |

 \boldsymbol{Q}_h

| Location | DMI | LFY | LFY Flow (cfs) | | W/D | Width | Depth | h Velocit Time | | Tributary | | Stream | | Analysis | |
|--------------------|--------|------------------------|----------------|-----------|-------|-------|-------|----------------|--------|-----------|----|----------|----|----------|----|
| Location | TXIVII | (cfs/mi ²) | Stream | Tributary | Ratio | (ft) | (ft) | y (fps) | (days) | Hardness | pН | Hardness | pН | Hardness | pН |
| Point of Discharge | 41.58 | | | | | | | | | | | | | | |
| End of Reach 1 | 41.1 | | | | | | | | | | | | | | |



Model Results

Williamsport Sanitary Authority West Plant, NPDES Permit No. PA0027049, Outfall 001

| Instructions | Results | RETURN TO INPUTS | SAVE AS PDF | PRINT |) 🖲 All | ⊖ Inputs | ⊖ Results | ⊖ Limits |
|--------------|---------|------------------|-------------|-------|---------|----------|-----------|----------|
| | | | | | | | | |

✓ Hydrodynamics

Q 7-10

| RMI | Stream Flow (cfs) | PWS Withdrawal (cfs) | Net Stream Flow (cfs) | Discharge Analysis Flow (cfs) | Slope (ft/ft) | Depth (ft) | Width (ft) | W/D Ratio | Velocity (fps) | Time (days) | Complete Mix Time (min) |
|-------|----------------------|-------------------------|--------------------------|----------------------------------|---------------|------------|------------|-----------|-------------------|----------------|----------------------------|
| 41.58 | 559.52 | | 559.52 | 6.064 | 0.00039 | 1.188 | 475.945 | 400.77 | 1.001 | 0.029 | 11820.137 |
| 41.1 | 589.68 | | 589.68 | | | | | | | | |

\boldsymbol{Q}_h

| RMI | Stream Flow (cfs) | PWS Withdrawal (cfs) | Net Stream Flow (cfs) | Discharge Analysis Flow (cfs) | Slope (ft/ft) | Depth (ft) | Width (ft) | W/D Ratio | Velocity (fps) | Time (days) | Complete Mix Time (min) |
|-------|----------------------|-------------------------|--------------------------|----------------------------------|---------------|------------|------------|-----------|-------------------|----------------|----------------------------|
| 41.58 | 1873.18 | | 1873.18 | 6.064 | 0.00039 | 2.014 | 475.945 | 236.288 | 1.96 | 0.015 | 5432.474 |
| 41.1 | 1961.135 | | 1961.14 | | | | | | | | |

☑ Wasteload Allocations

| ✓ AFC CO | CT (min): | 15 | PMF: | 0.036 | Ana | lysis Hardnes | ss (mg/l): | 89.996 Analysis pH: 7.00 |
|-------------------------------|----------------|--------------|---------------------|--------------|---------------|------------------|------------|----------------------------------|
| Pollutants | Conc (µg/L) | Stream CV | Trib Conc (µg/L) | Fate Coef | WQC (µg/L) | WQ Obj (µg/L) | WLA (µg/L) | Comments |
| Total Dissolved Solids (PVVS) | ΨŬ | U | | U | N/A | N/A | N/A | |
| Chloride (PWS) | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Sulfate (PWS) | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Fluoride (PWS) | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Aluminum | 0 | 0 | | 0 | 750 | 750 | 3,215 | |
| Total Antimony | 0 | 0 | | 0 | 1,100 | 1,100 | 4,715 | |
| Total Arsenic | 0 | 0 | | 0 | 340 | 340 | 1,458 | Chem Translator of 1 applied |
| Total Barium | 0 | 0 | | 0 | 21,000 | 21,000 | 90,023 | |
| Total Boron | 0 | 0 | | 0 | 8,100 | 8,100 | 34,723 | |
| Total Cadmium | 0 | 0 | | 0 | 1.818 | 1.92 | 8.22 | Chem Translator of 0.948 applied |
| Total Chromium (III) | 0 | 0 | | 0 | 522.643 | 1,654 | 7,090 | Chem Translator of 0.316 applied |
| Hexavalent Chromium | 0 | 0 | | 0 | 16 | 16.3 | 69.8 | Chem Translator of 0.982 applied |
| Total Cobalt | 0 | 0 | | 0 | 95 | 95.0 | 407 | |
| Total Copper | 0 | 0 | | 0 | 12.169 | 12.7 | 54.3 | Chem Translator of 0.96 applied |

| Free Cyanide | 0 | 0 | 0 | 22 | 22.0 | 94.3 | |
|---------------------------------|---|---|---|---------|--------|---------|----------------------------------|
| Dissolved Iron | 0 | 0 | 0 | N/A | N/A | N/A | |
| Total Iron | 0 | 0 | 0 | N/A | N/A | N/A | |
| Total Lead | 0 | 0 | 0 | 57.569 | 71.4 | 306 | Chem Translator of 0.806 applied |
| Total Manganese | 0 | 0 | 0 | N/A | N/A | N/A | |
| Total Mercury | 0 | 0 | 0 | 1.400 | 1.65 | 7.06 | Chem Translator of 0.85 applied |
| Total Nickel | 0 | 0 | 0 | 428.291 | 429 | 1,840 | Chem Translator of 0.998 applied |
| Total Phenols (Phenolics) (PWS) | 0 | 0 | 0 | N/A | N/A | N/A | |
| Total Selenium | 0 | 0 | 0 | N/A | N/A | N/A | Chem Translator of 0.922 applied |
| Total Silver | 0 | 0 | 0 | 2.683 | 3.16 | 13.5 | Chem Translator of 0.85 applied |
| Total Thallium | 0 | 0 | 0 | 65 | 65.0 | 279 | |
| Total Zinc | 0 | 0 | 0 | 107.169 | 110 | 470 | Chem Translator of 0.978 applied |
| Acrolein | 0 | 0 | 0 | 3 | 3.0 | 12.9 | |
| Acrylonitrile | 0 | 0 | 0 | 650 | 650 | 2,786 | |
| Benzene | 0 | 0 | 0 | 640 | 640 | 2,744 | |
| Bromoform | 0 | 0 | 1 | 1,800 | 1,800 | 7,797 | |
| Carbon Tetrachloride | 0 | 0 | 0 | 2,800 | 2,800 | 12,003 | |
| Chlorobenzene | 0 | 0 | 0 | 1,200 | 1,200 | 5,144 | |
| Chlorodibromomethane | 0 | 0 | 0 | N/A | N/A | N/A | |
| 2-Chloroethyl Vinyl Ether | 0 | 0 | 0 | 18,000 | 18,000 | 77,162 | |
| Chloroform | 0 | 0 | 0 | 1,900 | 1,900 | 8,145 | |
| Dichlorobromomethane | 0 | 0 | 0 | N/A | N/A | N/A | |
| 1,2-Dichloroethane | 0 | 0 | 0 | 15,000 | 15,000 | 64,302 | |
| 1,1-Dichloroethylene | 0 | 0 | 0 | 7,500 | 7,500 | 32,151 | |
| 1,2-Dichloropropane | 0 | 0 | 0 | 11,000 | 11,000 | 47,155 | |
| 1,3-Dichloropropylene | 0 | 0 | 0 | 310 | 310 | 1,329 | |
| Ethylbenzene | 0 | 0 | 0 | 2,900 | 2,900 | 12,432 | |
| Methyl Bromide | 0 | 0 | 0 | 550 | 550 | 2,358 | |
| Methyl Chloride | 0 | 0 | 0 | 28,000 | 28,000 | 120,030 | |
| Methylene Chloride | 0 | 0 | 0 | 12,000 | 12,000 | 51,442 | |
| 1,1,2,2-Tetrachloroethane | 0 | 0 | 0 | 1,000 | 1,000 | 4,287 | |
| Tetrachloroethylene | 0 | 0 | 0 | 700 | 700 | 3,001 | |
| Toluene | 0 | 0 | 0 | 1,700 | 1,700 | 7,288 | |
| 1,2-trans-Dichloroethylene | 0 | 0 | 0 | 6,800 | 6,800 | 29,150 | |
| 1,1,1-Trichloroethane | 0 | 0 | 0 | 3,000 | 3,000 | 12,860 | |
| 1,1,2-Trichloroethane | 0 | 0 | 0 | 3,400 | 3,400 | 14,575 | |
| Trichloroethylene | 0 | 0 | 0 | 2,300 | 2,300 | 9,860 | |
| Vinyl Chloride | 0 | 0 | 0 | N/A | N/A | N/A | |
| 2-Chlorophenol | 0 | 0 | 0 | 560 | 560 | 2,401 | |
| 2,4-Dichlorophenol | 0 | 0 | 0 | 1,700 | 1,700 | 7,288 | |
| 2,4-Dimethylphenol | 0 | 0 | 0 | 660 | 660 | 2,829 | |
| 4,6-Dinitro-o-Cresol | 0 | 0 | 0 | 80 | 80.0 | 343 | |
| 2,4-Dinitrophenol | 0 | 0 | 0 | 660 | 660 | 2,829 | |
| 2-Nitrophenol | 0 | 0 | 0 | 8,000 | 8,000 | 34,294 | |
| 4-Nitrophenol | 0 | 0 | 0 | 2,300 | 2,300 | 9,860 | |
| p-Chloro-m-Cresol | 0 | 0 | 0 | 160 | 160 | 686 | |
| Pentachlorophenol | 0 | 0 | 0 | 8.723 | 8.72 | 37.4 | |
| Phenol | 0 | 0 | 0 | N/A | N/A | N/A | |

| 2,4,6-Trichlorophenol | 0 | 0 | 0 | 460 | 460 | 1,972 | |
|-----------------------------|---|---|---|--------|--------|---------|--|
| Acenaphthene | 0 | 0 | 0 | 83 | 83.0 | 356 | |
| Anthracene | 0 | 0 | 0 | N/A | N/A | N/A | |
| Benzidine | 0 | 0 | 0 | 300 | 300 | 1,286 | |
| Benzo(a)Anthracene | 0 | 0 | 0 | 0.5 | 0.5 | 2.14 | |
| Benzo(a)Pyrene | 0 | 0 | 0 | N/A | N/A | N/A | |
| 3,4-Benzofluoranthene | 0 | 0 | 0 | N/A | N/A | N/A | |
| Benzo(k)Fluoranthene | 0 | 0 | 0 | N/A | N/A | N/A | |
| Bis(2-Chloroethyl)Ether | 0 | 0 | 0 | 30,000 | 30,000 | 128,604 | |
| Bis(2-Chloroisopropyl)Ether | 0 | 0 | 0 | N/A | N/A | N/A | |
| Bis(2-Ethylhexyl)Phthalate | 0 | 0 | 0 | 4,500 | 4,500 | 19,291 | |
| 4-Bromophenyl Phenyl Ether | 0 | 0 | 0 | 270 | 270 | 1,157 | |
| Butyl Benzyl Phthalate | 0 | 0 | 0 | 140 | 140 | 600 | |
| 2-Chloronaphthalene | 0 | 0 | 0 | N/A | N/A | N/A | |
| Chrysene | 0 | 0 | 0 | N/A | N/A | N/A | |
| Dibenzo(a,h)Anthrancene | 0 | 0 | 0 | N/A | N/A | N/A | |
| 1,2-Dichlorobenzene | 0 | 0 | 0 | 820 | 820 | 3,515 | |
| 1,3-Dichlorobenzene | 0 | 0 | 0 | 350 | 350 | 1,500 | |
| 1,4-Dichlorobenzene | 0 | 0 | 0 | 730 | 730 | 3,129 | |
| 3,3-Dichlorobenzidine | 0 | 0 | 0 | N/A | N/A | N/A | |
| Diethyl Phthalate | 0 | 0 | 0 | 4,000 | 4,000 | 17,147 | |
| Dimethyl Phthalate | 0 | 0 | 0 | 2,500 | 2,500 | 10,717 | |
| Di-n-Butyl Phthalate | 0 | 0 | 0 | 110 | 110 | 472 | |
| 2,4-Dinitrotoluene | 0 | 0 | 0 | 1,600 | 1,600 | 6,859 | |
| 2,6-Dinitrotoluene | 0 | 0 | 0 | 990 | 990 | 4,244 | |
| 1,2-Diphenylhydrazine | 0 | 0 | 0 | 15 | 15.0 | 64.3 | |
| Fluoranthene | 0 | 0 | 0 | 200 | 200 | 857 | |
| Fluorene | 0 | 0 | 0 | N/A | N/A | N/A | |
| Hexachlorobenzene | 0 | 0 | 0 | N/A | N/A | N/A | |
| Hexachlorobutadiene | 0 | 0 | 0 | 10 | 10.0 | 42.9 | |
| Hexachlorocyclopentadiene | 0 | 0 | 0 | 5 | 5.0 | 21.4 | |
| Hexachloroethane | 0 | 0 | 0 | 60 | 60.0 | 257 | |
| Indeno(1,2,3-cd)Pyrene | 0 | 0 | 0 | N/A | N/A | N/A | |
| Isophorone | 0 | 0 | 0 | 10,000 | 10,000 | 42,868 | |
| Naphthalene | 0 | 0 | 0 | 140 | 140 | 600 | |
| Nitrobenzene | 0 | 0 | 0 | 4,000 | 4,000 | 17,147 | |
| n-Nitrosodimethylamine | 0 | 0 | 0 | 17,000 | 17,000 | 72,876 | |
| n-Nitrosodi-n-Propylamine | 0 | 0 | 0 | N/A | N/A | N/A | |
| n-Nitrosodiphenylamine | 0 | 0 | 0 | 300 | 300 | 1,286 | |
| Phenanthrene | 0 | 0 | 0 | 5 | 5.0 | 21.4 | |
| Pyrene | 0 | 0 | 0 | N/A | N/A | N/A | |
| 1,2,4-Trichlorobenzene | 0 | 0 | 0 | 130 | 130 | 557 | |
| Aldrin | 0 | 0 | 0 | 3 | 3.0 | 12.9 | |
| alpha-BHC | 0 | 0 | 0 | N/A | N/A | N/A | |
| beta-BHC | 0 | 0 | 0 | N/A | N/A | N/A | |
| gamma-BHC | 0 | 0 | 0 | 0.95 | 0.95 | 4.07 | |
| Chlordane | 0 | 0 | 0 | 2.4 | 2.4 | 10.3 | |
| 4,4-DDT | 0 | 0 | 0 | 1.1 | 1.1 | 4.72 | |

| 4,4-DDE | 0 | 0 | | 0 | 1.1 | 1.1 | 4.72 | | | |
|--|-------------|--------|-----------|------|------------|-------------|---------------|--|--|--|
| 4,4-DDD | 0 | 0 | | 0 | 1.1 | 1.1 | 4.72 | | | |
| Dieldrin | 0 | 0 | | 0 | 0.24 | 0.24 | 1.03 | | | |
| alpha-Endosulfan | 0 | 0 | | 0 | 0.22 | 0.22 | 0.94 | | | |
| beta-Endosulfan | 0 | 0 | | 0 | 0.22 | 0.22 | 0.94 | | | |
| Endosulfan Sulfate | 0 | 0 | | 0 | N/A | N/A | N/A | | | |
| Endrin | 0 | 0 | | 0 | 0.086 | 0.086 | 0.37 | | | |
| Endrin Aldehyde | 0 | 0 | | 0 | N/A | N/A | N/A | | | |
| Heptachlor | 0 | 0 | | 0 | 0.52 | 0.52 | 2.23 | | | |
| Heptachlor Epoxide | 0 | 0 | | 0 | 0.5 | 0.5 | 2.14 | | | |
| Toxaphene | 0 | 0 | | 0 | 0.73 | 0.73 | 3.13 | | | |
| Total Strontium | 0 | 0 | | 0 | N/A | N/A | N/A | | | |
| CFC CCT (min): 720 PMF: 0.247 Analysis Hardness (mg/l): 78.524 Analysis pH: 7.00 | | | | | | | | | | |
| Pollutants | Conc | Stream | Trib Conc | Fate | WQC | WQ Obj | WIA(ug/I) | Comments | | |
| i olididinio | (ug/L) | CV | (µg/L) | Coef | (µg/L) | (µg/L) | (µg/L) | | | |
| Total Dissolved Solids (PWS) | (µ9/=/ U | 0 | | 0 | N/A | N/A | N/A | | | |
| Chloride (PWS) | 0 | 0 | | 0 | N/A | N/A | N/A | | | |
| Sulfate (PWS) | 0 | 0 | | 0 | N/A | N/A | N/A | | | |
| Fluoride (PWS) | 0 | 0 | | 0 | N/A | N/A | N/A | | | |
| Total Aluminum | 0 | 0 | | 0 | N/A | N/A | N/A | | | |
| Total Antimony | 0 | 0 | | 0 | 220 | 220 | 5,230 | | | |
| Total Arsenic | 0 | 0 | | 0 | 150 | 150 | 3,566 | Chem Translator of 1 applied | | |
| Total Barium | 0 | 0 | | 0 | 4,100 | 4,100 | 97,464 | | | |
| Total Boron | 0 | 0 | | 0 | 1,600 | 1,600 | 38,035 | | | |
| Total Cadmium | 0 | 0 | | 0 | 0.208 | 0.23 | 5.38 | Chem Translator of 0.919 applied | | |
| Total Chromium (III) | 0 | 0 | | 0 | 60.801 | 70.7 | 1.681 | Chem Translator of 0.86 applied | | |
| Hexavalent Chromium | 0 | 0 | | 0 | 10 | 10.4 | 247 | Chem Translator of 0.962 applied | | |
| Total Cobalt | 0 | 0 | | 0 | 19 | 19.0 | 452 | | | |
| Total Copper | 0 | 0 | | 0 | 7 284 | 7.59 | 180 | Chem Translator of 0.96 applied | | |
| Free Cyanide | 0 | 0 | | 0 | 52 | 5.2 | 124 | | | |
| | 0 | 0 | | 0 | 0.2 Ν/Δ | N/A | Π <u>2</u> -1 | | | |
| Total Iron | 0 | 0 | | 0 | 1 500 | 1,500 | 139,898 | WOC - 30 day average: PMF - 1 | | |
| Total Lead | 0 | 0 | | 0 | 1,000 | 2.34 | 55.6 | $\frac{1}{1000} = \frac{1}{1000} \text{ average, } 1 \text{ wr} = 1$ | | |
| Total Manganoso | 0 | 0 | | 0 | N/A | 2.34 N/A | 55.0 N/A | Chem mansiator or 0.020 applied | | |
| | 0 | 0 | | 0 | 0.770 | 0.01 | 21.5 | Cham Translator of 0.95 applied | | |
| | 0 | 0 | | 0 | 0.770 | 0.91 | 21.3 | Chem Translator of 0.007 applied | | |
| | 0 | 0 | | 0 | 42.387 | 42.5 | 1,011 | Chem Translator of 0.997 applied | | |
| Total Phenois (Phenolics) (PVVS) | 0 | 0 | | 0 | N/A | N/A | N/A | | | |
| | 0 | 0 | | 0 | 4.600 | 4.99 | 119 | Chem Translator of 0.922 applied | | |
| I otal Silver | 0 | 0 | | 0 | N/A | N/A | N/A | Chem I ranslator of 1 applied | | |
| Total Thallium | 0 | 0 | | 0 | 13 | 13.0 | 309 | | | |
| Total Zinc | 0 | 0 | | 0 | 96.256 | 97.6 | 2,321 | Chem Translator of 0.986 applied | | |
| Acrolein | 0 | 0 | | 0 | 3 | 3.0 | 71.3 | | | |
| Acrylonitrile | 0 | 0 | | 0 | 130 | 130 | 3,090 | | | |
| Benzene | 0 | 0 | | 0 | 130 | 130 | 3,090 | | | |

| Bromoform | 0 | 0 | 1 | 370 | 370 | 14,501 | |
|--|-----------------------|------------------|-----------------------|----------------------------------|------------------------------------|--|--|
| Carbon Tetrachloride | 0 | 0 | 0 | 560 | 560 | 13,312 | |
| Chlorobenzene | 0 | 0 | 0 | 240 | 240 | 5,705 | |
| Chlorodibromomethane | 0 | 0 | 0 | N/A | N/A | N/A | |
| 2-Chloroethyl Vinyl Ether | 0 | 0 | 0 | 3,500 | 3,500 | 83,201 | |
| Chloroform | 0 | 0 | 0 | 390 | 390 | 9,271 | |
| Dichlorobromomethane | 0 | 0 | 0 | N/A | N/A | N/A | |
| 1,2-Dichloroethane | 0 | 0 | 0 | 3,100 | 3,100 | 73,692 | |
| 1,1-Dichloroethylene | 0 | 0 | 0 | 1,500 | 1,500 | 35,657 | |
| 1,2-Dichloropropane | 0 | 0 | 0 | 2,200 | 2,200 | 52,298 | |
| 1,3-Dichloropropylene | 0 | 0 | 0 | 61 | 61.0 | 1,450 | |
| Ethylbenzene | 0 | 0 | 0 | 580 | 580 | 13,788 | |
| Methyl Bromide | 0 | 0 | 0 | 110 | 110 | 2,615 | |
| Methyl Chloride | 0 | 0 | 0 | 5,500 | 5,500 | 130,744 | |
| Methylene Chloride | 0 | 0 | 0 | 2,400 | 2,400 | 57,052 | |
| 1,1,2,2-Tetrachloroethane | 0 | 0 | 0 | 210 | 210 | 4,992 | |
| Tetrachloroethylene | 0 | 0 | 0 | 140 | 140 | 3,328 | |
| Toluene | 0 | 0 | 0 | 330 | 330 | 7,845 | |
| 1,2-trans-Dichloroethylene | 0 | 0 | 0 | 1,400 | 1,400 | 33,280 | |
| 1,1,1-Trichloroethane | 0 | 0 | 0 | 610 | 610 | 14,501 | |
| 1,1,2-Trichloroethane | 0 | 0 | 0 | 680 | 680 | 16,165 | |
| Trichloroethylene | 0 | 0 | 0 | 450 | 450 | 10,697 | |
| Vinyl Chloride | 0 | 0 | 0 | N/A | N/A | N/A | |
| 2-Chlorophenol | 0 | 0 | 0 | 110 | 110 | 2,615 | |
| 2,4-Dichlorophenol | 0 | 0 | 0 | 340 | 340 | 8,082 | |
| 2,4-Dimethylphenol | 0 | 0 | 0 | 130 | 130 | 3,090 | |
| 4,6-Dinitro-o-Cresol | 0 | 0 | 0 | 16 | 16.0 | 380 | |
| 2,4-Dinitrophenol | 0 | 0 | 0 | 130 | 130 | 3,090 | |
| 2-Nitrophenol | 0 | 0 | 0 | 1,600 | 1,600 | 38,035 | |
| 4-Nitrophenol | 0 | 0 | 0 | 470 | 470 | 11,173 | |
| p-Chloro-m-Cresol | 0 | 0 | 0 | 500 | 500 | 11,886 | |
| Pentachlorophenol | 0 | 0 | 0 | 6.693 | 6.69 | 159 | |
| Phenol | 0 | 0 | 0 | N/A | N/A | N/A | |
| 2,4,6-Trichlorophenol | 0 | 0 | 0 | 91 | 91.0 | 2,163 | |
| Acenaphthene | 0 | 0 | 0 | 17 | 17.0 | 404 | |
| Anthracene | 0 | 0 | 0 | N/A | N/A | N/A | |
| Benzidine | 0 | 0 | 0 | 59 | 59.0 | 1,403 | |
| Benzo(a)Anthracene | 0 | 0 | 0 | 0.1 | 0.1 | 2.38 | |
| Benzo(a)Pyrene | 0 | 0 | 0 | N/A | N/A | N/A | |
| 3,4-Benzofluoranthene | 0 | 0 | 0 | N/A | N/A | N/A | |
| Benzo(k)Fluoranthene | 0 | 0 | 0 | N/A | N/A | N/A | |
| Bis(2-Chloroethyl)Ether | 0 | 0 | 0 | 6,000 | 6,000 | 142,630 | |
| Bis(2-Chloroisopropyl)Ether | 0 | 0 | 0 | N/A | N/A | N/A | |
| Bis(2-Ethylhexyl)Phthalate | 0 | 0 | 0 | 910 | 910 | 21,632 | |
| 4-Bromophenyl Phenyl Ether | 0 | 0 | 0 | 54 | 54.0 | 1,284 | |
| Benzo(k)Fluoranthene Bis(2-Chloroethyl)Ether Bis(2-Chloroisopropyl)Ether Bis(2-Ethylhexyl)Phthalate 4-Bromophenyl Phenyl Ether | 0 0 0 0 0 | 0 0 0 0 | 0 0 0 0 0 | N/A 6,000 N/A 910 54 | N/A 6,000 N/A 910 54.0 | N/A 142,630 N/A 21,632 1,284 | |

| Butyl Benzyl Phthalate | 0 | 0 | 0 | 35 | 35.0 | 832 | |
|---------------------------|---|---|---|--------|-------|--------|--|
| 2-Chloronaphthalene | 0 | 0 | 0 | N/A | N/A | N/A | |
| Chrysene | 0 | 0 | 0 | N/A | N/A | N/A | |
| Dibenzo(a,h)Anthrancene | 0 | 0 | 0 | N/A | N/A | N/A | |
| 1,2-Dichlorobenzene | 0 | 0 | 0 | 160 | 160 | 3,803 | |
| 1,3-Dichlorobenzene | 0 | 0 | 0 | 69 | 69.0 | 1,640 | |
| 1,4-Dichlorobenzene | 0 | 0 | 0 | 150 | 150 | 3,566 | |
| 3,3-Dichlorobenzidine | 0 | 0 | 0 | N/A | N/A | N/A | |
| Diethyl Phthalate | 0 | 0 | 0 | 800 | 800 | 19,017 | |
| Dimethyl Phthalate | 0 | 0 | 0 | 500 | 500 | 11,886 | |
| Di-n-Butyl Phthalate | 0 | 0 | 0 | 21 | 21.0 | 499 | |
| 2,4-Dinitrotoluene | 0 | 0 | 0 | 320 | 320 | 7,607 | |
| 2,6-Dinitrotoluene | 0 | 0 | 0 | 200 | 200 | 4,754 | |
| 1,2-Diphenylhydrazine | 0 | 0 | 0 | 3 | 3.0 | 71.3 | |
| Fluoranthene | 0 | 0 | 0 | 40 | 40.0 | 951 | |
| Fluorene | 0 | 0 | 0 | N/A | N/A | N/A | |
| Hexachlorobenzene | 0 | 0 | 0 | N/A | N/A | N/A | |
| Hexachlorobutadiene | 0 | 0 | 0 | 2 | 2.0 | 47.5 | |
| Hexachlorocyclopentadiene | 0 | 0 | 0 | 1 | 1.0 | 23.8 | |
| Hexachloroethane | 0 | 0 | 0 | 12 | 12.0 | 285 | |
| Indeno(1,2,3-cd)Pyrene | 0 | 0 | 0 | N/A | N/A | N/A | |
| Isophorone | 0 | 0 | 0 | 2,100 | 2,100 | 49,920 | |
| Naphthalene | 0 | 0 | 0 | 43 | 43.0 | 1,022 | |
| Nitrobenzene | 0 | 0 | 0 | 810 | 810 | 19,255 | |
| n-Nitrosodimethylamine | 0 | 0 | 0 | 3,400 | 3,400 | 80,824 | |
| n-Nitrosodi-n-Propylamine | 0 | 0 | 0 | N/A | N/A | N/A | |
| n-Nitrosodiphenylamine | 0 | 0 | 0 | 59 | 59.0 | 1,403 | |
| Phenanthrene | 0 | 0 | 0 | 1 | 1.0 | 23.8 | |
| Pyrene | 0 | 0 | 0 | N/A | N/A | N/A | |
| 1,2,4-Trichlorobenzene | 0 | 0 | 0 | 26 | 26.0 | 618 | |
| Aldrin | 0 | 0 | 0 | 0.1 | 0.1 | 2.38 | |
| alpha-BHC | 0 | 0 | 0 | N/A | N/A | N/A | |
| beta-BHC | 0 | 0 | 0 | N/A | N/A | N/A | |
| gamma-BHC | 0 | 0 | 0 | N/A | N/A | N/A | |
| Chlordane | 0 | 0 | 0 | 0.0043 | 0.004 | 0.1 | |
| 4,4-DDT | 0 | 0 | 0 | 0.001 | 0.001 | 0.024 | |
| 4,4-DDE | 0 | 0 | 0 | 0.001 | 0.001 | 0.024 | |
| 4,4-DDD | 0 | 0 | 0 | 0.001 | 0.001 | 0.024 | |
| Dieldrin | 0 | 0 | 0 | 0.056 | 0.056 | 1.33 | |
| alpha-Endosulfan | 0 | 0 | 0 | 0.056 | 0.056 | 1.33 | |
| beta-Endosulfan | 0 | 0 | 0 | 0.056 | 0.056 | 1.33 | |
| Endosulfan Sulfate | 0 | 0 | 0 | N/A | N/A | N/A | |
| Endrin | 0 | 0 | 0 | 0.036 | 0.036 | 0.86 | |
| Endrin Aldehyde | 0 | 0 | 0 | N/A | N/A | N/A | |
| Heptachlor | 0 | 0 | 0 | 0.0038 | 0.004 | 0.09 | |

| Heptachlor Epoxide | 0 | 0 | | 0 | 0.0038 | 0.004 | 0.09 | |
|---------------------------------|----------------|--------------|---------------------|--------------|---------------|---------------|------------|----------------------|
| Toxaphene | 0 | 0 | | 0 | 0.0002 | 0.0002 | 0.005 | |
| Total Strontium | 0 | 0 | | 0 | N/A | N/A | N/A | |
| <i>☑ ТНН ССС</i> | T (min): 7 | 20 | PMF: | 0.247 | Ana | ilysis Hardne | ss (mg/l): | N/A Analysis pH: N/A |
| Pollutants | Stream Conc | Stream CV | Trib Conc (ug/L) | Fate Coef | WQC (ug/L) | WQ Obj | WLA (µg/L) | Comments |
| Lotal Dissolved Solids (PWS) | (µg/L) | | (µ9, =) | 0000 | (µg/E) | (P9/=) | NI/A | |
| Chloride (PWS) | 0 | 0 | | 0 | 250,000 | 250,000 | N/A | |
| Sulfate (PWS) | 0 | 0 | | 0 | 250,000 | 250,000 | N/A | |
| Eluoride (PWS) | 0 | 0 | | 0 | 2 000 | 2 000 | N/A | |
| Total Aluminum | 0 | 0 | | 0 | 2,000 N/A | 2,000 N/A | N/A | |
| Total Antimony | 0 | 0 | | 0 | 5.6 | 56 | 133 | |
| Total Arsenic | 0 | 0 | | 0 | 10 | 10.0 | 238 | |
| Total Barium | 0 | 0 | | 0 | 2 400 | 2 400 | 57.052 | |
| Total Boron | 0 | 0 | | 0 | 3 100 | 3 100 | 73 692 | |
| Total Cadmium | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Chromium (III) | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Hexavalent Chromium | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Cobalt | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Copper | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Free Cvanide | 0 | 0 | | 0 | 4 | 4.0 | 95.1 | |
| Dissolved Iron | 0 | 0 | | 0 | 300 | 300 | 7.131 | |
| Total Iron | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Lead | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Manganese | 0 | 0 | | 0 | 1.000 | 1.000 | 23.772 | |
| Total Mercury | 0 | 0 | | 0 | 0.050 | 0.05 | 1.19 | |
| Total Nickel | 0 | 0 | | 0 | 610 | 610 | 14.501 | |
| Total Phenols (Phenolics) (PWS) | 0 | 0 | | 0 | 5 | 5.0 | N/A | |
| Total Selenium | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Silver | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Thallium | 0 | 0 | | 0 | 0.24 | 0.24 | 5.71 | |
| Total Zinc | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Acrolein | 0 | 0 | | 0 | 3 | 3.0 | 71.3 | |
| Acrylonitrile | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Benzene | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Bromoform | 0 | 0 | | 1 | N/A | N/A | N/A | |
| Carbon Tetrachloride | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Chlorobenzene | 0 | 0 | | 0 | 100 | 100.0 | 2,377 | |
| Chlorodibromomethane | 0 | 0 | | 0 | N/A | N/A | N/A | |
| 2-Chloroethyl Vinyl Ether | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Chloroform | 0 | 0 | | 0 | 5.7 | 5.7 | 135 | |
| Dichlorobromomethane | 0 | 0 | | 0 | N/A | N/A | N/A | |
| 1,2-Dichloroethane | 0 | 0 | | 0 | N/A | N/A | N/A | |

| 1.2-Dichlorgoppane 0 NA NA NA NA 1.3-Dichlorgoppane 0 0 NA NA NA Eitytkenzene 0 0 68 68.0 16.16 Methyl Choride 0 0 100.0 2.377 Methyl Choride 0 0 NA NA NA Methyl Choride 0 0 NA NA NA 1.1.2.2 Cratrachloroethylene 0 0 NA NA NA Tollene 0 0 NA NA NA NA Trichioroethane 0 0 100 1000 1000 12377 1.1.1-Tichioroethane 0 0 10000 10000 12377 1.1.1-Tichioroethane 0 0 10000 10000 12377 1.1.1-Tichioroethane 0 0 0 NA NA NA Ying Choide 0 0 0 10000 12000 | 1,1-Dichloroethylene | 0 | 0 | | 0 | 33 | 33.0 | 784 | |
|--|-----------------------------|---|---|---|---|--------|--------|---------|--|
| 1.3-Dicktoroprogram 0 NA NA NA Ettybersene 0 0 68 68.0 1.516 Mathyl Bronida 0 0 100 100.0 2.377 Methyl Chloride 0 0 100 100.0 2.377 Methyl Chloride 0 0 N/A N/A N/A Mottyber Chloride 0 0 N/A N/A N/A Totrachorosthane 0 0 N/A N/A N/A Totuene 0 0 N/A N/A N/A Totuene 0 0 10.000 2.377 1.1.2-Tricklorosthane 0 0 10.000 2.377 1.1.1.7-Tricklorosthane 0 0 10.000 2.377 1.1.2-Tricklorosthane 0 0 N/A N/A Yiny Chloride 0 0 0 10.000 2.377 2.4-Dickorphenol 0 0 0 10.00 | 1,2-Dichloropropane | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Ethylberzeine 0 0 68 68.0 1.16 Methyl Bromide 0 0 100 100.0 2.377 Methyl Chiorida 0 0 0 N/A N/A N/A Methylene Chioride 0 0 0 N/A N/A N/A Totachoroshylone 0 0 0 N/A N/A N/A Totachoroshylone 0 0 0 N/A N/A N/A Totace 0 0 0 10.00 13.55 1.2-trans-Dichloroshylone 0 0 10.000 13.67 57.0 1.355 1.1.2-Trichloroshylone 0 0 10.000 10.000 23.77 1.1.17-Trichloroshylone 0 0 N/A N/A Trichloroshylone 0 0 0 10.00 10.00 2.377 2.4-Dichorphonol 0 0 0 10.00 10.0 2.38 2.4-Dinirophonol 0 0 <td>1,3-Dichloropropylene</td> <td>0</td> <td>0</td> <td></td> <td>0</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td></td> | 1,3-Dichloropropylene | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Methyl Bonda 0 0 100 100.0 2.377 Methyl Choda 0 0 NA NA NA NA Methylene Chloide 0 0 NA NA NA NA 1.1.2.2-Tetrachoredthare 0 0 NA NA NA NA Tetrachorethylene 0 0 0 NA NA NA Toluene 0 0 0 100 100.0 2.377 1.1.1-Trichloredhane 0 0 100.0 2.377 1.1.1.7trichloredhane 0 0 100.0 2.377 1.1.1.7trichloredhane 0 0 NA NA NA Ying/Chloride 0 0 0 10.00.0 2.377 1.1.2-Trichloredhane 0 0 0 10.00.0 2.377 2.4-Dichlorphenol 0 0 0 100.0 2.377 2.4-Dinitro-Cresol 0 0 0 10.0.0 | Ethylbenzene | 0 | 0 | | 0 | 68 | 68.0 | 1,616 | |
| Methy Chloride 0 0 N/A N/A N/A Methy Chloride 0 0 N/A N/A N/A Tetrachloroethylene 0 0 N/A N/A N/A Tetrachloroethylene 0 0 N/A N/A N/A Toluene 0 0 0 757 57.0 1.355 1.2-trans-Dichloroethylene 0 0 10.000 2377 1.1.1-Trichloroethane 0 0 N/A N/A Trichloroethylene 0 0 N/A N/A N/A Trichloroethylene 0 0 N/A N/A N/A Viny Chloride 0 0 N/A N/A N/A 2.4-Dichorohenol 0 0 10.0 238 2.4-Dimethylphenol 0 0 10.0 238 2.4-Dimethylphenol 0 0 0 10.0 238 2.4-Dimethylphenol 0 0 N/A N/A | Methyl Bromide | 0 | 0 | | 0 | 100 | 100.0 | 2,377 | |
| Methylene Cholode 0 0 N/A N/A N/A 1,1,2.7-Tetrachloroethylene 0 0 N/A N/A N/A Tetrachloroethylene 0 0 0 N/A N/A N/A Toluene 0 0 0 1.355 | Methyl Chloride | 0 | 0 | | 0 | N/A | N/A | N/A | |
| 1.1.2.2 Tetrachioresthylene 0 0 N/A N/A N/A Tetrachioresthylene 0 0 0 N/A N/A N/A Toluene 0 0 0 N/A N/A N/A 1.1.2:Tetrachioresthylene 0 0 10.00 1.365 1.1.1:Trichloresthane 0 0 10.000 2.377 1.1.1:Trichloresthane 0 0 0 N/A N/A Trichioresthylene 0 0 0 N/A N/A N/A 2:Chlorophenol 0 0 N/A N/A N/A N/A 2:4-Dimethylene 0 0 0 100 100.0 2.38 2:4-Dimethylphenol 0 0 0 100 100.0 2.38 2:4-Dimethylphenol 0 0 0 10 100.0 2.38 2:4-Dimethylphenol 0 0 0 N/A N/A N/A 4:N | Methylene Chloride | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Tetrachloroethylene 0 0 N/A N/A N/A Toluene 0 0 57 57.0 1,355 1.2.trans-Dickloroethylene 0 0 10.000 2,377 1.1.1-Tichloroethane 0 0 10,000 2,377 1.1.2-Trans-Dickloroethylene 0 0 N/A N/A N/A Trichloroethane 0 0 N/A N/A N/A Viryl Chlorde 0 0 N/A N/A N/A 2-Chlorophenol 0 0 0 30.0 713 2.4-Dintrophenol 0 0 10 100.0 238 2.4-Dintrophenol 0 0 0 237 4.6-Dintro-Cresol 0 0 0 238 2.4-Dintrophenol 0 0 0 10 10.0 238 2.4-Dintrophenol 0 0 N/A N/A N/A Pentachlorophenol 0 0 | 1,1,2,2-Tetrachloroethane | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Toluene 0 0 57 57.0 1.365 1.2-trans-Dichoredhylene 0 0 100 100.00 2.377 1.1.1-Tichoroethane 0 0 0 10.000 2.377 1.1.2-Tichoroethane 0 0 0 N/A N/A N/A Trichoroethylene 0 0 0 N/A N/A N/A Vhyl Chloride 0 0 0 N/A N/A N/A 2-Chlorophenol 0 0 0 30 30.0 713 2.4-Dimethylphenol 0 0 0 100 100.0 238 2.4-Dimethylphenol 0 0 0 100.0 238 2.4-Dimethylphenol 0 0 0 10.0 238 2.4-Dimethylophenol 0 0 0 10.0 238 2.4-Dimethylophenol 0 0 N/A N/A N/A 4-Krophenol 0 0 | Tetrachloroethylene | 0 | 0 | | 0 | N/A | N/A | N/A | |
| 1,2-trans-Dichloroethylene 0 0 100 100.0 2,377 1,1,1-Trichloroethane 0 0 10,000 237,716 1,1,2-Trichloroethane 0 0 N/A N/A N/A Trichloroethylene 0 0 0 N/A N/A N/A Vinyl Chloride 0 0 0 N/A N/A N/A 2.4-Dichlorophenol 0 0 0 100 100.0 238 2.4-Dichlorophenol 0 0 0 100 100.0 238 2.4-Dinitro-Cresol 0 0 0 2.377 4.6-Dinitro-Cresol 0 0 0 2.377 2.4-Dinitrophenol 0 0 0 100 100.0 2.387 2.4-Dinitro-Cresol 0 0 0 N/A N/A N/A | Toluene | 0 | 0 | | 0 | 57 | 57.0 | 1,355 | |
| 1,1,1-Trichloroethane 0 0 10,000 123,716 1,1,2-Trichloroethane 0 0 N/A N/A N/A Trichloroethylene 0 0 0 N/A N/A Viny Chloride 0 0 0 N/A N/A 2-Chlorophenol 0 0 0 100 238 2,4-Dimethylphenol 0 0 0 100 100.0 238 2,4-Dimethylphenol 0 0 0 10 10.0 238 2,4-Dimethylphenol 0 0 0 10 10.0 238 2,4-Dinitro-Cressl 0 0 0 10 10.0 238 2.4-Dinitro-brcResol 0 0 0 N/A N/A N/A 4-Nitrophenol 0 0 0 N/A N/A N/A Pertachlorophenol 0 0 0 N/A N/A N/A Phenol 0 0 | 1,2-trans-Dichloroethylene | 0 | 0 | | 0 | 100 | 100.0 | 2,377 | |
| 1,1,2-Trichloroethane 0 0 N/A N/A N/A N/A Trichloroethylene 0 0 0 N/A N/A N/A 2.4-Dichlorophenol 0 0 0 10 10.0 238 2.4-Dichlorophenol 0 0 0 10 10.0 238 2.4-Dichlorophenol 0 0 0 100 100.0 238 2.4-Dintrophenol 0 0 0 100 10.0 238 2.4-Dintrophenol 0 0 0 10 10.0 238 2.4-Dintrophenol 0 0 0 10 10.0 238 2.4-Dintrophenol 0 0 0 N/A N/A N/A P-Chloro-m-Cresol 0 0 0 N/A N/A N/A Pento-Inbrophenol 0 0 0 N/A N/A N/A Acenaphthene 0 0 0 0 | 1,1,1-Trichloroethane | 0 | 0 | | 0 | 10,000 | 10,000 | 237,716 | |
| Trichloroethylene 0 N/A N/A N/A N/A Vinyl Chloride 0 0 0 N/A N/A N/A 2-Chlorophenol 0 0 0 30 30.0 713 2.4-Dindrophenol 0 0 0 100 100.0 238 2.4-Dimetrylphenol 0 0 0 0 2.377 | 1,1,2-Trichloroethane | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Vinyl Chloride 0 0 N/A N/A N/A 2-Chlorophenol 0 0 30 30.0 713 2.4-Dinethylphenol 0 0 10 10.0 238 2.4-Dimethylphenol 0 0 0 100 100.0 2.377 4.6-Dinitrophenol 0 0 0 10 10.0 238 2.4-Dimethylphenol 0 0 0 10 10.0 238 2.4-Dimitrophenol 0 0 0 10 10.0 238 2.4-Dimitrophenol 0 0 0 N/A N/A N/A 4-Nitrophenol 0 0 0 N/A N/A N/A p-Chloro-m-Cresol 0 0 0 N/A N/A N/A Phenol 0 0 0 N/A N/A N/A Acenaphthene 0 0 0 N/A N/A N/A Acenaphthen | Trichloroethylene | 0 | 0 | | 0 | N/A | N/A | N/A | |
| 2:Chlorophenol 0 0 30 30.0 713 2:4-Dichlorophenol 0 0 10 10.0 238 2:4-Dimethylphenol 0 0 100 100.0 2,377 4:6-DinitroCresol 0 0 0 2.0 47.5 2:A-Dinitro-Decresol 0 0 0 100 100.0 238 2-Nitrophenol 0 0 0 10 10.0 238 2-Nitrophenol 0 0 0 N/A N/A N/A 4:Nitrophenol 0 0 0 N/A N/A N/A P-Chloro-m-Cresol 0 0 0 N/A N/A N/A Phenol 0 0 0 N/A N/A N/A Phenol 0 0 0 N/A N/A N/A Acenaphthene 0 0 0 N/A N/A N/A Benzo(a)Anthracene 0 <td>Vinyl Chloride</td> <td>0</td> <td>0</td> <td></td> <td>0</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td></td> | Vinyl Chloride | 0 | 0 | | 0 | N/A | N/A | N/A | |
| 2,4-Dichlorophenol 0 0 10 10.0 238 2,4-Dimetrylphenol 0 0 0 100 100.0 2,377 4,6-Dinitro-o-Cresol 0 0 0 2 2.0 47.5 2,4-Dinterphenol 0 0 0 10 10.0 238 2-Nitrophenol 0 0 0 10 10.0 238 2-Nitrophenol 0 0 0 N/A N/A N/A 4-Nitrophenol 0 0 N/A N/A N/A P-Choro-m-Cresol 0 0 N/A N/A N/A Pentachlorophenol 0 0 N/A N/A N/A Phenol 0 0 0 N/A N/A N/A Acenaphthene 0 0 0 N/A N/A N/A Benzo(a)Anthracene 0 0 0 N/A N/A N/A Benzo(a)Pyrene | 2-Chlorophenol | 0 | 0 | | 0 | 30 | 30.0 | 713 | |
| 2,4-Dimethylphenol 0 100 100. 2,377 4.6-Dinitro-Cresol 0 0 2 2.0 47.5 2,4-Dinitrophenol 0 0 0 10. 238 2.Nitrophenol 0 0 0 N/A N/A 4-Nitrophenol 0 0 0 N/A N/A 9-Chioro-m-Cresol 0 0 0 N/A N/A Pentachlorophenol 0 0 N/A N/A N/A Phenol 0 0 0 N/A N/A N/A Phenol 0 0 0 N/A N/A N/A Acenaphthene 0 0 0 7.131 N/A N/A Benzolaine 0 0 0 N/A N/A N/A Benzolaine 0 0 0 N/A N/A N/A Benzolaine 0 0 0 N/A N/A N/A | 2,4-Dichlorophenol | 0 | 0 | | 0 | 10 | 10.0 | 238 | |
| 4,6-Dinitro-O-Cresol 0 0 2 2.0 47.5 2.4-Dinitrophenol 0 0 0 10 10.0 238 2-Nitrophenol 0 0 0 N/A N/A N/A 4-Nitrophenol 0 0 0 N/A N/A N/A p-Chloro-m-Cresol 0 0 0 N/A N/A N/A Pentachlorophenol 0 0 0 N/A N/A N/A Phenol 0 0 0 N/A N/A N/A Phenol 0 0 0 4,000 4,000 95,087 2,4,6-Trichlorophenol 0 0 0 70.0 1,664 Anthracene 0 0 0 300 300 7,131 Benzo(a)Anthracene 0 0 0 N/A N/A N/A Benzo(a)Pyrene 0 0 0 N/A N/A N/A | 2,4-Dimethylphenol | 0 | 0 | | 0 | 100 | 100.0 | 2,377 | |
| 2,4-Dinitrophenol 0 0 10 10.0 238 2-Nitrophenol 0 0 0 N/A N/A N/A 4-Nitrophenol 0 0 0 N/A N/A N/A p-Chloro-m-Cresol 0 0 0 N/A N/A N/A Pentachlorophenol 0 0 0 N/A N/A N/A Phenol 0 0 0 N/A N/A N/A Acenaphthene 0 0 0 N/A N/A N/A Acenaphthene 0 0 0 300 300 7,131 Benzo(a)Anthracene 0 0 0 N/A N/A N/A Benzo(a)Pyrene 0 0 0 N/A N/A N/A Benzo(a)Pyrene 0 0 N/A N/A N/A Benzo(a)Pyrene 0 0 N/A N/A N/A Bis(2-Chlorosthyl)Ether <td>4,6-Dinitro-o-Cresol</td> <td>0</td> <td>0</td> <td></td> <td>0</td> <td>2</td> <td>2.0</td> <td>47.5</td> <td></td> | 4,6-Dinitro-o-Cresol | 0 | 0 | | 0 | 2 | 2.0 | 47.5 | |
| 2-Nitrophenol 0 0 N/A N/A N/A N/A 4-Nitrophenol 0 0 0 0 N/A N/A N/A p-Chloro-m-Cresol 0 0 0 N/A N/A N/A Pentachlorophenol 0 0 0 N/A N/A N/A Phenol 0 0 0 4,000 4,000 95,087 2,4,6-Trichlorophenol 0 0 0 N/A N/A N/A Acenaphthene 0 0 0 70. 1,664 Anthracene 0 0 0 N/A N/A Benzo(a)Anthracene 0 0 0 N/A N/A Benzo(a)Pyrene 0 0 0 N/A N/A N/A Benzo(k)Fluoranthene 0 0 0 N/A N/A N/A Bis(2-ChlorostynlyEther 0 0 0 N/A N/A N/A B | 2,4-Dinitrophenol | 0 | 0 | | 0 | 10 | 10.0 | 238 | |
| 4-Nitrophenol 0 0 N/A N/A N/A p-Chloro-m-Cresol 0 0 0 N/A N/A N/A Pentachlorophenol 0 0 0 N/A N/A N/A Phenol 0 0 0 0 N/A N/A N/A Phenol 0 0 0 4,000 4,000 95,087 2,4,6-Trichlorophenol 0 0 0 N/A N/A N/A Acenaphthene 0 0 0 70 70.0 1,664 Anthracene 0 0 0 300 300 7,131 Benzo(a)Anthracene 0 0 0 N/A N/A N/A Benzo(a)Pyrene 0 0 0 N/A N/A N/A Benzo(a)Pyrene 0 0 0 N/A N/A N/A Benzo(a)Pyrene 0 0 0 N/A N/A N/A <td>2-Nitrophenol</td> <td>0</td> <td>0</td> <td></td> <td>0</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td></td> | 2-Nitrophenol | 0 | 0 | | 0 | N/A | N/A | N/A | |
| p-Chloro-m-Cresol 0 0 N/A N/A N/A N/A Pentachlorophenol 0 0 0 N/A N/A N/A Phenol 0 0 0 4,000 4,000 95,087 2,4,6-Trichlorophenol 0 0 0 N/A N/A N/A Acenaphthene 0 0 0 70 70.0 1,664 Anthracene 0 0 0 300 300 7,131 Benzidine 0 0 0 N/A N/A N/A Benzo(a)Anthracene 0 0 0 N/A N/A N/A Benzo(a)Pyrene 0 0 0 N/A N/A N/A Benzo(k)Fluoranthene 0 0 0 N/A N/A N/A Benzo(k)Fluoranthene 0 0 0 N/A N/A N/A Bis(2-Chlorosthyl)Ether 0 0 0 N/A | 4-Nitrophenol | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Pentachlorophenol 0 0 N/A N/A N/A Phenol 0 0 0 4,000 4,000 95,087 2,4,6-Trichlorophenol 0 0 0 N/A N/A N/A Acenaphthene 0 0 0 70 70.0 1,664 Anthracene 0 0 0 300 300 7,131 Benzidine 0 0 0 N/A N/A N/A Benzo(a)Anthracene 0 0 0 N/A N/A N/A Benzo(a)Prene 0 0 0 N/A N/A N/A Benzo(k)Fluoranthene 0 0 0 N/A N/A N/A Bis(2-Chloroethyl)Ether 0 0 0 N/A N/A N/A Bis(2-Chloroisopropyl)Ether 0 0 0 N/A N/A N/A Bis(2-Chlorosipropyl)Ether 0 0 0 N/A N/A <td>p-Chloro-m-Cresol</td> <td>0</td> <td>0</td> <td></td> <td>0</td> <td>N/A</td> <td>N/A</td> <td>N/A</td> <td></td> | p-Chloro-m-Cresol | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Phenol 0 0 4,000 4,000 95,087 2,4,6-Trichlorophenol 0 0 0 N/A N/A N/A Acenaphthene 0 0 0 70 70.0 1,664 Anthracene 0 0 0 300 300 7,131 Benzidine 0 0 0 N/A N/A N/A Benzo(a)Anthracene 0 0 0 N/A N/A N/A Benzo(a)Pyrene 0 0 0 N/A N/A N/A Benzo(k)Fluoranthene 0 0 N/A N/A N/A Bis(2-Chloroethyl)Ether 0 0 N/A N/A N/A Bis(2-Chloroisopropyl)Ether 0 0 N/A N/A N/A Bis(2-Chloroethyl)Pthalate 0 0 N/A N/A N/A Bis(2-Chlorospropyl)Ether 0 0 N/A N/A N/A Bis(2-Chlorospropyl Pththalate< | Pentachlorophenol | 0 | 0 | | 0 | N/A | N/A | N/A | |
| 2,4,6-Trichlorophenol 0 0 N/A N/A N/A Acenaphthene 0 0 0 70 70.0 1,664 Anthracene 0 0 0 300 300 7,131 Benzidine 0 0 0 N/A N/A N/A Benzo(a)Anthracene 0 0 0 N/A N/A N/A Benzo(a)Pyrene 0 0 0 N/A N/A N/A Benzo(a)Pyrene 0 0 0 N/A N/A N/A 3,4-Benzofluoranthene 0 0 0 N/A N/A N/A Benzo(k)Fluoranthene 0 0 0 N/A N/A N/A Bis(2-Chloroisopropyl)Ether 0 0 0 N/A N/A N/A Bis(2-Chloroisopropyl)Ether 0 0 0 N/A N/A N/A Bis(2-Ethylhexyl)Phthalate 0 0 0 N/A | Phenol | 0 | 0 | | 0 | 4,000 | 4,000 | 95,087 | |
| Acenaphthene 0 0 70 70.0 1,664 Anthracene 0 0 0 300 300 7,131 Benzidine 0 0 0 N/A N/A N/A Benzo(a)Anthracene 0 0 0 N/A N/A N/A Benzo(a)Pyrene 0 0 0 N/A N/A N/A Benzo(a)Pyrene 0 0 0 N/A N/A N/A Benzo(a)Pyrene 0 0 0 N/A N/A N/A 3,4-Benzofluoranthene 0 0 0 N/A N/A N/A Benzo(k)Fluoranthene 0 0 0 N/A N/A N/A Bis(2-Chloroisopropyl)Ether 0 0 0 200 200 4,754 Bis(2-Chloroisopropyl)Pthalate 0 0 0 N/A N/A N/A 4-Bromophenyl Phenyl Ether 0 0 0 0 | 2,4,6-Trichlorophenol | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Anthracene 0 0 300 300 7,131 Benzidine 0 0 0 N/A N/A N/A Benzo(a)Anthracene 0 0 0 N/A N/A N/A Benzo(a)Pyrene 0 0 0 N/A N/A N/A Benzo(a)Pyrene 0 0 0 N/A N/A N/A 3,4-Benzofluoranthene 0 0 0 N/A N/A N/A Benzo(k)Fluoranthene 0 0 0 N/A N/A N/A Bis(2-Chlorosthyl)Ether 0 0 0 N/A N/A N/A Bis(2-Chloroisopropyl)Ether 0 0 0 200 200 4,754 Bis(2-Ethylhexyl)Phthalate 0 0 0 N/A N/A 4-Bromophenyl Phenyl Ether 0 0 0 1 0.1 2.38 2-Chloronaphthalarene 0 0 0 800 800 | Acenaphthene | 0 | 0 | | 0 | 70 | 70.0 | 1,664 | |
| Benzidine 0 0 N/A N/A N/A Benzo(a)Anthracene 0 0 0 N/A N/A N/A Benzo(a)Anthracene 0 0 0 N/A N/A N/A Benzo(a)Pyrene 0 0 0 N/A N/A N/A 3,4-Benzofluoranthene 0 0 0 N/A N/A N/A Benzo(k)Fluoranthene 0 0 0 N/A N/A N/A Bis(2-Chlorosthyl)Ether 0 0 0 N/A N/A N/A Bis(2-Chloroisopropyl)Ether 0 0 0 200 200 4,754 Bis(2-Ethylhexyl)Phthalate 0 0 0 N/A N/A N/A 4-Bromophenyl Phenyl Ether 0 0 0 N/A N/A N/A Butyl Benzyl Phthalate 0 0 0 0.1 2.38 12.38 | Anthracene | 0 | 0 | | 0 | 300 | 300 | 7,131 | |
| Benzo(a)Anthracene 0 0 N/A N/A N/A Benzo(a)Pyrene 0 0 0 N/A N/A N/A 3,4-Benzofluoranthene 0 0 0 N/A N/A N/A Benzo(k)Fluoranthene 0 0 0 N/A N/A N/A Bis(2-Chloroethyl)Ether 0 0 0 N/A N/A N/A Bis(2-Chloroisopropyl)Ether 0 0 0 N/A N/A N/A Bis(2-Chloroisopropyl)Ether 0 0 0 N/A N/A N/A Bis(2-Chloroisopropyl)Ether 0 0 0 200 200 4,754 Bis(2-Ethylhexyl)Phthalate 0 0 0 N/A N/A N/A 4-Bromophenyl Phenyl Ether 0 0 0 N/A N/A N/A Butyl Benzyl Phthalate 0 0 0 0.1 0.1 2.38 | Benzidine | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Benzo(a)Pyrene 0 0 0 N/A N/A N/A 3,4-Benzofluoranthene 0 0 0 N/A N/A N/A Benzo(k)Fluoranthene 0 0 0 N/A N/A N/A Benzo(k)Fluoranthene 0 0 0 N/A N/A N/A Bis(2-Chloroethyl)Ether 0 0 0 N/A N/A N/A Bis(2-Chloroisopropyl)Ether 0 0 0 200 200 4,754 Bis(2-Ethylhexyl)Phthalate 0 0 0 N/A N/A N/A 4-Bromophenyl Phenyl Ether 0 0 0 N/A N/A N/A Butyl Benzyl Phthalate 0 0 0 0.1 2.38 10.017 | Benzo(a)Anthracene | 0 | 0 | | 0 | N/A | N/A | N/A | |
| 3,4-Benzofluoranthene 0 0 N/A N/A N/A Benzo(k)Fluoranthene 0 0 0 N/A N/A N/A Bis(2-Chloroethyl)Ether 0 0 0 N/A N/A N/A Bis(2-Chloroisopropyl)Ether 0 0 0 200 200 4,754 Bis(2-Ethylhexyl)Phthalate 0 0 0 N/A N/A N/A 4-Bromophenyl Phenyl Ether 0 0 0 N/A N/A N/A Butyl Benzyl Phthalate 0 0 0 0.1 0.1 2.38 | Benzo(a)Pyrene | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Benzo(k)Fluoranthene 0 0 0 N/A N/A N/A Bis(2-Chloroisopropyl)Ether 0 0 0 N/A N/A N/A Bis(2-Chloroisopropyl)Ether 0 0 0 200 200 4,754 Bis(2-Ethylhexyl)Phthalate 0 0 0 N/A N/A N/A 4-Bromophenyl Phenyl Ether 0 0 0 N/A N/A N/A Butyl Benzyl Phthalate 0 0 0 0.1 0.1 2.38 | 3,4-Benzofluoranthene | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Bis(2-Chloroethyl)Ether 0 0 N/A N/A N/A Bis(2-Chloroisopropyl)Ether 0 0 0 200 200 4,754 Bis(2-Ethylhexyl)Phthalate 0 0 0 N/A N/A N/A 4-Bromophenyl Phenyl Ether 0 0 0 N/A N/A N/A Butyl Benzyl Phthalate 0 0 0 0.1 0.1 2.38 2-Chloronaphthalare 0 0 0 800 800 19.017 | Benzo(k)Fluoranthene | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Bis(2-Chloroisopropyl)Ether 0 0 0 200 200 4,754 Bis(2-Ethylhexyl)Phthalate 0 0 0 N/A N/A N/A 4-Bromophenyl Phenyl Ether 0 0 0 N/A N/A N/A Butyl Benzyl Phthalate 0 0 0 0.1 0.1 2.38 | Bis(2-Chloroethyl)Ether | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Bis(2-Ethylhexyl)Phthalate 0 0 0 N/A N/A N/A 4-Bromophenyl Phenyl Ether 0 0 0 N/A N/A N/A Butyl Benzyl Phthalate 0 0 0 0.1 0.1 2.38 2-Chloronaphthalane 0 0 0 800 800 19.017 | Bis(2-Chloroisopropyl)Ether | 0 | 0 | | 0 | 200 | 200 | 4,754 | |
| 4-Bromophenyl Phenyl Ether 0 0 0 N/A N/A Butyl Benzyl Phthalate 0 0 0.1 0.1 2.38 2-Chloropaphthalene 0 0 0 800 19.017 | Bis(2-Ethylhexyl)Phthalate | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Butyl Benzyl Phthalate 0 0 0.1 0.1 2.38 2-Chloropaphthalana 0 0 800 800 19.017 | 4-Bromophenyl Phenyl Ether | 0 | 0 | - | 0 | N/A | N/A | N/A | |
| | Butyl Benzyl Phthalate | 0 | 0 | | 0 | 0.1 | 0.1 | 2.38 | |
| | 2-Chloronaphthalene | 0 | 0 | - | 0 | 800 | 800 | 19,017 | |
| Chrysene 0 0 0 N/A N/A N/A | Chrysene | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Dibenzo(a,h)Anthrancene 0 0 0 N/A N/A N/A N/A | Dibenzo(a,h)Anthrancene | 0 | 0 | | 0 | N/A | N/A | N/A | |
| 1,2-Dichlorobenzene 0 0 1,000 1,000 23,772 | 1,2-Dichlorobenzene | 0 | 0 | | 0 | 1,000 | 1,000 | 23,772 | |
| 1,3-Dichlorobenzene 0 0 0 7 7.0 166 | 1,3-Dichlorobenzene | 0 | 0 | | 0 | 7 | 7.0 | 166 | |
| 1,4-Dichlorobenzene 0 0 0 300 300 7,131 | 1,4-Dichlorobenzene | 0 | 0 | | 0 | 300 | 300 | 7,131 | |
| 3,3-Dichlorobenzidine 0 0 0 N/A N/A N/A | 3,3-Dichlorobenzidine | 0 | 0 | | 0 | N/A | N/A | N/A | |

| Diethyl Phthalate | 0 | 0 | | 0 | 600 | 600 | 14,263 | |
|---------------------------|----------------|--------------|---------------------|--------------|---------------|------------------|------------|----------------------|
| Dimethyl Phthalate | 0 | 0 | | 0 | 2,000 | 2,000 | 47,543 | |
| Di-n-Butyl Phthalate | 0 | 0 | | 0 | 20 | 20.0 | 475 | |
| 2,4-Dinitrotoluene | 0 | 0 | | 0 | N/A | N/A | N/A | |
| 2,6-Dinitrotoluene | 0 | 0 | | 0 | N/A | N/A | N/A | |
| 1,2-Diphenylhydrazine | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Fluoranthene | 0 | 0 | | 0 | 20 | 20.0 | 475 | |
| Fluorene | 0 | 0 | | 0 | 50 | 50.0 | 1,189 | |
| Hexachlorobenzene | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Hexachlorobutadiene | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Hexachlorocyclopentadiene | 0 | 0 | | 0 | 4 | 4.0 | 95.1 | |
| Hexachloroethane | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Indeno(1,2,3-cd)Pyrene | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Isophorone | 0 | 0 | | 0 | 34 | 34.0 | 808 | |
| Naphthalene | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Nitrobenzene | 0 | 0 | | 0 | 10 | 10.0 | 238 | |
| n-Nitrosodimethylamine | 0 | 0 | | 0 | N/A | N/A | N/A | |
| n-Nitrosodi-n-Propylamine | 0 | 0 | | 0 | N/A | N/A | N/A | |
| n-Nitrosodiphenylamine | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Phenanthrene | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Pvrene | 0 | 0 | | 0 | 20 | 20.0 | 475 | |
| 1,2,4-Trichlorobenzene | 0 | 0 | | 0 | 0.07 | 0.07 | 1.66 | |
| Aldrin | 0 | 0 | | 0 | N/A | N/A | N/A | |
| alpha-BHC | 0 | 0 | | 0 | N/A | N/A | N/A | |
| beta-BHC | 0 | 0 | | 0 | N/A | N/A | N/A | |
| gamma-BHC | 0 | 0 | | 0 | 4.2 | 4.2 | 99.8 | |
| Chlordane | 0 | 0 | | 0 | N/A | N/A | N/A | |
| 4.4-DDT | 0 | 0 | | 0 | N/A | N/A | N/A | |
| 4.4-DDE | 0 | 0 | | 0 | N/A | N/A | N/A | |
| 4.4-DDD | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Dieldrin | 0 | 0 | | 0 | N/A | N/A | N/A | |
| alpha-Endosulfan | 0 | 0 | | 0 | 20 | 20.0 | 475 | |
| beta-Endosulfan | 0 | 0 | | 0 | 20 | 20.0 | 475 | |
| Endosulfan Sulfate | 0 | 0 | | 0 | 20 | 20.0 | 475 | |
| Endrin | 0 | 0 | | 0 | 0.03 | 0.03 | 0.71 | |
| Endrin Aldehyde | 0 | 0 | | 0 | 1 | 1.0 | 23.8 | |
| Heptachlor | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Heptachlor Epoxide | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Toxaphene | 0 | 0 | | 0 | N/A | N/A | N/A | |
| Total Strontium | 0 | 0 | | 0 | 4 000 | 4 000 | 95.087 | |
| CC CC | T (min): 7 | 20 | PMF: | 0.364 | Ana | alysis Hardne | ss (mg/l): | N/A Analysis pH: N/A |
| Pollutants | Conc (µg/L) | Stream CV | Trib Conc (µg/L) | Fate Coef | WQC (µg/L) | WQ Obj (µg/L) | WLA (µg/L) | Comments |

| Total Dissolved Solids (PWS) | 0 | 0 | 0 | N/A | N/A | N/A | |
|---------------------------------|---|---|---|------|------|-------|--|
| Chloride (PWS) | 0 | 0 | 0 | N/A | N/A | N/A | |
| Sulfate (PWS) | 0 | 0 | 0 | N/A | N/A | N/A | |
| Fluoride (PWS) | 0 | 0 | 0 | N/A | N/A | N/A | |
| Total Aluminum | 0 | 0 | 0 | N/A | N/A | N/A | |
| Total Antimony | 0 | 0 | 0 | N/A | N/A | N/A | |
| Total Arsenic | 0 | 0 | 0 | N/A | N/A | N/A | |
| Total Barium | 0 | 0 | 0 | N/A | N/A | N/A | |
| Total Boron | 0 | 0 | 0 | N/A | N/A | N/A | |
| Total Cadmium | 0 | 0 | 0 | N/A | N/A | N/A | |
| Total Chromium (III) | 0 | 0 | 0 | N/A | N/A | N/A | |
| Hexavalent Chromium | 0 | 0 | 0 | N/A | N/A | N/A | |
| Total Cobalt | 0 | 0 | 0 | N/A | N/A | N/A | |
| Total Copper | 0 | 0 | 0 | N/A | N/A | N/A | |
| Free Cyanide | 0 | 0 | 0 | N/A | N/A | N/A | |
| Dissolved Iron | 0 | 0 | 0 | N/A | N/A | N/A | |
| Total Iron | 0 | 0 | 0 | N/A | N/A | N/A | |
| Total Lead | 0 | 0 | 0 | N/A | N/A | N/A | |
| Total Manganese | 0 | 0 | 0 | N/A | N/A | N/A | |
| Total Mercury | 0 | 0 | 0 | N/A | N/A | N/A | |
| Total Nickel | 0 | 0 | 0 | N/A | N/A | N/A | |
| Total Phenols (Phenolics) (PWS) | 0 | 0 | 0 | N/A | N/A | N/A | |
| Total Selenium | 0 | 0 | 0 | N/A | N/A | N/A | |
| Total Silver | 0 | 0 | 0 | N/A | N/A | N/A | |
| Total Thallium | 0 | 0 | 0 | N/A | N/A | N/A | |
| Total Zinc | 0 | 0 | 0 | N/A | N/A | N/A | |
| Acrolein | 0 | 0 | 0 | N/A | N/A | N/A | |
| Acrylonitrile | 0 | 0 | 0 | 0.06 | 0.06 | 6.81 | |
| Benzene | 0 | 0 | 0 | 0.58 | 0.58 | 65.8 | |
| Bromoform | 0 | 0 | 1 | 7 | 7.0 | 1,309 | |
| Carbon Tetrachloride | 0 | 0 | 0 | 0.4 | 0.4 | 45.4 | |
| Chlorobenzene | 0 | 0 | 0 | N/A | N/A | N/A | |
| Chlorodibromomethane | 0 | 0 | 0 | 0.8 | 0.8 | 90.8 | |
| 2-Chloroethyl Vinyl Ether | 0 | 0 | 0 | N/A | N/A | N/A | |
| Chloroform | 0 | 0 | 0 | N/A | N/A | N/A | |
| Dichlorobromomethane | 0 | 0 | 0 | 0.95 | 0.95 | 108 | |
| 1,2-Dichloroethane | 0 | 0 | 0 | 9.9 | 9.9 | 1,123 | |
| 1,1-Dichloroethylene | 0 | 0 | 0 | N/A | N/A | N/A | |
| 1,2-Dichloropropane | 0 | 0 | 0 | 0.9 | 0.9 | 102 | |
| 1,3-Dichloropropylene | 0 | 0 | 0 | 0.27 | 0.27 | 30.6 | |
| Ethylbenzene | 0 | 0 | 0 | N/A | N/A | N/A | |
| Methyl Bromide | 0 | 0 | 0 | N/A | N/A | N/A | |
| Methyl Chloride | 0 | 0 | 0 | N/A | N/A | N/A | |
| Methylene Chloride | 0 | 0 | 0 | 20 | 20.0 | 2,269 | |
| 1,1,2,2-Tetrachloroethane | 0 | 0 | 0 | 0.2 | 0.2 | 22.7 | |

| Tetrachloroethylene | 0 | 0 | 0 | 10 | 10.0 | 1,135 | |
|-----------------------------|---|---|---|--------|--------|-------|--|
| Toluene | 0 | 0 | 0 | N/A | N/A | N/A | |
| 1,2-trans-Dichloroethylene | 0 | 0 | 0 | N/A | N/A | N/A | |
| 1,1,1-Trichloroethane | 0 | 0 | 0 | N/A | N/A | N/A | |
| 1,1,2-Trichloroethane | 0 | 0 | 0 | 0.55 | 0.55 | 62.4 | |
| Trichloroethylene | 0 | 0 | 0 | 0.6 | 0.6 | 68.1 | |
| Vinyl Chloride | 0 | 0 | 0 | 0.02 | 0.02 | 2.27 | |
| 2-Chlorophenol | 0 | 0 | 0 | N/A | N/A | N/A | |
| 2,4-Dichlorophenol | 0 | 0 | 0 | N/A | N/A | N/A | |
| 2,4-Dimethylphenol | 0 | 0 | 0 | N/A | N/A | N/A | |
| 4,6-Dinitro-o-Cresol | 0 | 0 | 0 | N/A | N/A | N/A | |
| 2,4-Dinitrophenol | 0 | 0 | 0 | N/A | N/A | N/A | |
| 2-Nitrophenol | 0 | 0 | 0 | N/A | N/A | N/A | |
| 4-Nitrophenol | 0 | 0 | 0 | N/A | N/A | N/A | |
| p-Chloro-m-Cresol | 0 | 0 | 0 | N/A | N/A | N/A | |
| Pentachlorophenol | 0 | 0 | 0 | 0.030 | 0.03 | 3.4 | |
| Phenol | 0 | 0 | 0 | N/A | N/A | N/A | |
| 2,4,6-Trichlorophenol | 0 | 0 | 0 | 1.5 | 1.5 | 170 | |
| Acenaphthene | 0 | 0 | 0 | N/A | N/A | N/A | |
| Anthracene | 0 | 0 | 0 | N/A | N/A | N/A | |
| Benzidine | 0 | 0 | 0 | 0.0001 | 0.0001 | 0.011 | |
| Benzo(a)Anthracene | 0 | 0 | 0 | 0.001 | 0.001 | 0.11 | |
| Benzo(a)Pyrene | 0 | 0 | 0 | 0.0001 | 0.0001 | 0.011 | |
| 3,4-Benzofluoranthene | 0 | 0 | 0 | 0.001 | 0.001 | 0.11 | |
| Benzo(k)Fluoranthene | 0 | 0 | 0 | 0.01 | 0.01 | 1.13 | |
| Bis(2-Chloroethyl)Ether | 0 | 0 | 0 | 0.03 | 0.03 | 3.4 | |
| Bis(2-Chloroisopropyl)Ether | 0 | 0 | 0 | N/A | N/A | N/A | |
| Bis(2-Ethylhexyl)Phthalate | 0 | 0 | 0 | 0.32 | 0.32 | 36.3 | |
| 4-Bromophenyl Phenyl Ether | 0 | 0 | 0 | N/A | N/A | N/A | |
| Butyl Benzyl Phthalate | 0 | 0 | 0 | N/A | N/A | N/A | |
| 2-Chloronaphthalene | 0 | 0 | 0 | N/A | N/A | N/A | |
| Chrysene | 0 | 0 | 0 | 0.12 | 0.12 | 13.6 | |
| Dibenzo(a,h)Anthrancene | 0 | 0 | 0 | 0.0001 | 0.0001 | 0.011 | |
| 1,2-Dichlorobenzene | 0 | 0 | 0 | N/A | N/A | N/A | |
| 1,3-Dichlorobenzene | 0 | 0 | 0 | N/A | N/A | N/A | |
| 1,4-Dichlorobenzene | 0 | 0 | 0 | N/A | N/A | N/A | |
| 3,3-Dichlorobenzidine | 0 | 0 | 0 | 0.05 | 0.05 | 5.67 | |
| Diethyl Phthalate | 0 | 0 | 0 | N/A | N/A | N/A | |
| Dimethyl Phthalate | 0 | 0 | 0 | N/A | N/A | N/A | |
| Di-n-Butyl Phthalate | 0 | 0 | 0 | N/A | N/A | N/A | |
| 2,4-Dinitrotoluene | 0 | 0 | 0 | 0.05 | 0.05 | 5.67 | |
| 2,6-Dinitrotoluene | 0 | 0 | 0 | 0.05 | 0.05 | 5.67 | |
| 1,2-Diphenylhydrazine | 0 | 0 | 0 | 0.03 | 0.03 | 3.4 | |
| Fluoranthene | 0 | 0 | 0 | N/A | N/A | N/A | |
| Fluorene | 0 | 0 | 0 | N/A | N/A | N/A | |

| Hexachlorobenzene | 0 | 0 | 0 | 0.00008 | 0.00008 | 0.009 | |
|---------------------------|---|---|---|----------|----------|---------|--|
| Hexachlorobutadiene | 0 | 0 | 0 | 0.01 | 0.01 | 1.13 | |
| Hexachlorocyclopentadiene | 0 | 0 | 0 | N/A | N/A | N/A | |
| Hexachloroethane | 0 | 0 | 0 | 0.1 | 0.1 | 11.3 | |
| Indeno(1,2,3-cd)Pyrene | 0 | 0 | 0 | 0.001 | 0.001 | 0.11 | |
| Isophorone | 0 | 0 | 0 | N/A | N/A | N/A | |
| Naphthalene | 0 | 0 | 0 | N/A | N/A | N/A | |
| Nitrobenzene | 0 | 0 | 0 | N/A | N/A | N/A | |
| n-Nitrosodimethylamine | 0 | 0 | 0 | 0.0007 | 0.0007 | 0.079 | |
| n-Nitrosodi-n-Propylamine | 0 | 0 | 0 | 0.005 | 0.005 | 0.57 | |
| n-Nitrosodiphenylamine | 0 | 0 | 0 | 3.3 | 3.3 | 374 | |
| Phenanthrene | 0 | 0 | 0 | N/A | N/A | N/A | |
| Pyrene | 0 | 0 | 0 | N/A | N/A | N/A | |
| 1,2,4-Trichlorobenzene | 0 | 0 | 0 | N/A | N/A | N/A | |
| Aldrin | 0 | 0 | 0 | 0.000008 | 8.00E-07 | 0.00009 | |
| alpha-BHC | 0 | 0 | 0 | 0.0004 | 0.0004 | 0.045 | |
| beta-BHC | 0 | 0 | 0 | 0.008 | 0.008 | 0.91 | |
| gamma-BHC | 0 | 0 | 0 | N/A | N/A | N/A | |
| Chlordane | 0 | 0 | 0 | 0.0003 | 0.0003 | 0.034 | |
| 4,4-DDT | 0 | 0 | 0 | 0.00003 | 0.00003 | 0.003 | |
| 4,4-DDE | 0 | 0 | 0 | 0.00002 | 0.00002 | 0.002 | |
| 4,4-DDD | 0 | 0 | 0 | 0.0001 | 0.0001 | 0.011 | |
| Dieldrin | 0 | 0 | 0 | 0.000001 | 0.000001 | 0.0001 | |
| alpha-Endosulfan | 0 | 0 | 0 | N/A | N/A | N/A | |
| beta-Endosulfan | 0 | 0 | 0 | N/A | N/A | N/A | |
| Endosulfan Sulfate | 0 | 0 | 0 | N/A | N/A | N/A | |
| Endrin | 0 | 0 | 0 | N/A | N/A | N/A | |
| Endrin Aldehyde | 0 | 0 | 0 | N/A | N/A | N/A | |
| Heptachlor | 0 | 0 | 0 | 0.000006 | 0.000006 | 0.0007 | |
| Heptachlor Epoxide | 0 | 0 | 0 | 0.00003 | 0.00003 | 0.003 | |
| Toxaphene | 0 | 0 | 0 | 0.0007 | 0.0007 | 0.079 | |
| Total Strontium | 0 | 0 | 0 | N/A | N/A | N/A | |
| | | | | | | | |

Recommended WQBELs & Monitoring Requirements

4

No. Samples/Month:

| | Mass | Limits | Concentration Limits | | | | | | |
|---------------|------------------|------------------|----------------------|--------|--------|-------|--------------------|----------------|------------------------------------|
| Pollutants | AML (lbs/day) | MDL (lbs/day) | AML | MDL | IMAX | Units | Governing WQBEL | WQBEL Basis | Comments |
| Total Copper | Report | Report | Report | Report | Report | μg/L | 33.1 | AFC | Discharge Conc > 10% WQBEL (no RP) |
| Free Cyanide | Report | Report | Report | Report | Report | µg/L | 60.4 | AFC | Discharge Conc > 25% WQBEL (no RP) |
| Total Mercury | Report | Report | Report | Report | Report | µg/L | 1.19 | THH | Discharge Conc > 10% WQBEL (no RP) |
| Total Zinc | Report | Report | Report | Report | Report | µg/L | 301 | AFC | Discharge Conc > 10% WQBEL (no RP) |
| Bromoform | 42.8 | 65.9 | 1,309 | 2,015 | 3,273 | µg/L | 1,309 | CRL | Discharge Conc ≥ 50% WQBEL (RP) |

| | n-Nitrosodi-n-Propylamine 0.019 0.029 0.57 0.89 1.42 ug/L 0.57 CRL Discharge Conc ≥ 50% WOBEL (|
|--|---|
|--|---|

☑ Other Pollutants without Limits or Monitoring

The following pollutants do not require effluent limits or monitoring based on water quality because reasonable potential to exceed water quality criteria was not determined and the discharge concentration was less than thresholds for monitoring, or the pollutant was not detected and a sufficiently sensitive analytical method was used (e.g., <= Target QL).

| Pollutants | Governing WQBEL | Units | Comments |
|---------------------------------|--------------------|-------|----------------------------|
| Total Dissolved Solids (PWS) | N/A | N/A | PWS Not Applicable |
| Chloride (PWS) | N/A | N/A | PWS Not Applicable |
| Bromide | N/A | N/A | No WQS |
| Sulfate (PWS) | N/A | N/A | PWS Not Applicable |
| Fluoride (PWS) | N/A | N/A | PWS Not Applicable |
| Total Aluminum | 2,061 | µg/L | Discharge Conc ≤ 10% WQBEL |
| Total Antimony | 133 | µg/L | Discharge Conc ≤ 10% WQBEL |
| Total Arsenic | 238 | µg/L | Discharge Conc ≤ 10% WQBEL |
| Total Barium | 57,052 | µg/L | Discharge Conc ≤ 10% WQBEL |
| Total Beryllium | N/A | N/A | No WQS |
| Total Boron | 22,256 | µg/L | Discharge Conc ≤ 10% WQBEL |
| Total Cadmium | 5.27 | µg/L | Discharge Conc < TQL |
| Total Chromium (III) | 1,681 | µg/L | Discharge Conc ≤ 10% WQBEL |
| Hexavalent Chromium | 44.8 | µg/L | Discharge Conc ≤ 10% WQBEL |
| Total Cobalt | 261 | µg/L | Discharge Conc < TQL |
| Total Cyanide | N/A | N/A | No WQS |
| Dissolved Iron | 7,131 | µg/L | Discharge Conc ≤ 10% WQBEL |
| Total Iron | 139,898 | µg/L | Discharge Conc ≤ 10% WQBEL |
| Total Lead | 55.6 | µg/L | Discharge Conc ≤ 10% WQBEL |
| Total Manganese | 23,772 | µg/L | Discharge Conc ≤ 10% WQBEL |
| Total Nickel | 1,011 | µg/L | Discharge Conc ≤ 10% WQBEL |
| Total Phenols (Phenolics) (PWS) | | µg/L | PWS Not Applicable |
| Total Selenium | 119 | µg/L | Discharge Conc ≤ 10% WQBEL |
| Total Silver | 8.67 | µg/L | Discharge Conc < TQL |
| Total Thallium | 5.71 | µg/L | Discharge Conc ≤ 10% WQBEL |
| Total Molybdenum | N/A | N/A | No WQS |
| Acrolein | 8.24 | µg/L | Discharge Conc < TQL |
| Acrylonitrile | 6.81 | µg/L | Discharge Conc < TQL |
| Benzene | 65.8 | µg/L | Discharge Conc ≤ 25% WQBEL |
| Carbon Tetrachloride | 45.4 | µg/L | Discharge Conc ≤ 25% WQBEL |
| Chlorobenzene | 2,377 | µg/L | Discharge Conc ≤ 25% WQBEL |
| Chlorodibromomethane | 90.8 | µg/L | Discharge Conc ≤ 25% WQBEL |
| Chloroethane | N/A | N/A | No WQS |
| 2-Chloroethyl Vinyl Ether | 49,458 | µg/L | Discharge Conc ≤ 25% WQBEL |
| Chloroform | 135 | µg/L | Discharge Conc ≤ 25% WQBEL |
| Dichlorobromomethane | 108 | µg/L | Discharge Conc ≤ 25% WQBEL |
| 1,1-Dichloroethane | N/A | N/A | No WQS |

| 1,2-Dichloroethane | 1,123 | µg/L | Discharge Conc ≤ 25% WQBEL |
|-----------------------------|---------------|---------------------|----------------------------|
| 1,1-Dichloroethylene | 784 | µg/L | Discharge Conc ≤ 25% WQBEL |
| 1,2-Dichloropropane | 102 | µg/L | Discharge Conc ≤ 25% WQBEL |
| 1,3-Dichloropropylene | 30.6 | µg/L | Discharge Conc ≤ 25% WQBEL |
| 1,4-Dioxane | N/A | N/A | No WQS |
| Ethylbenzene | 1,616 | µg/L | Discharge Conc ≤ 25% WQBEL |
| Methyl Bromide | 1,511 | µg/L | Discharge Conc ≤ 25% WQBEL |
| Methyl Chloride | 76,935 | µg/L | Discharge Conc ≤ 25% WQBEL |
| Methylene Chloride | 2,269 | µg/L | Discharge Conc ≤ 25% WQBEL |
| 1,1,2,2-Tetrachloroethane | 22.7 | µg/L | Discharge Conc ≤ 25% WQBEL |
| Tetrachloroethylene | 1,135 | µg/L | Discharge Conc ≤ 25% WQBEL |
| Toluene | 1,355 | µg/L | Discharge Conc ≤ 25% WQBEL |
| 1,2-trans-Dichloroethylene | 2,377 | µg/L | Discharge Conc < TQL |
| 1,1,1-Trichloroethane | 8,243 | µg/L | Discharge Conc ≤ 25% WQBEL |
| 1,1,2-Trichloroethane | 62.4 | µg/L | Discharge Conc ≤ 25% WQBEL |
| Trichloroethvlene | 68.1 | ua/L | Discharge Conc ≤ 25% WQBEL |
| Vinvl Chloride | 2.27 | ua/L | Discharge Conc < TQL |
| 2-Chlorophenol | 713 | ua/L | Discharge Conc < TQL |
| 2.4-Dichlorophenol | 238 | ua/L | Discharge Conc < TQL |
| 2.4-Dimethylphenol | 1.813 | ug/l | Discharge Conc < TQL |
| 4.6-Dinitro-o-Cresol | 47.5 | ua/L | Discharge Conc ≤ 25% WQBEL |
| 2.4-Dinitrophenol | 238 | ua/L | Discharge Conc < TQL |
| 2-Nitrophenol | 21.981 | ua/L | Discharge Conc < TQL |
| 4-Nitrophenol | 6.320 | ua/L | Discharge Conc < TQL |
| p-Chloro-m-Cresol | 440 | ua/L | Discharge Conc < TQL |
| Pentachlorophenol | 3.4 | ua/L | Discharge Conc < TQL |
| Phenol | 95.087 | ua/L | Discharge Conc < TQL |
| 2.4.6-Trichlorophenol | 170 | µg/= | Discharge Conc < TQL |
| Acenaphthene | 228 | ug/l | Discharge Conc < TQL |
| Acenaphthylene | N/A | N/A | No WQS |
| Anthracene | 7 131 | ug/l | Discharge Conc < TQI |
| Benzidine | 0.011 | μg/L | Discharge Conc < TQL |
| Benzo(a)Anthracene | 0.11 | ug/l | Discharge Conc < TQL |
| Benzo(a)Pyrene | 0.011 | | Discharge Conc < TQL |
| 3 4-Benzofluoranthene | 0.11 | μg/L | Discharge Conc < TQL |
| Benzo(gbi)Pervlene | N/A | N/A | NoWQS |
| Benzo(k)Fluoranthene | 1 13 | uo/l | Discharge Conc < TOI |
| Bis(2-Chloroethoxy)Methane | N/A | <u>₩9′</u> | No WOS |
| Bis(2-Chloroethyl)Ether | 34 | ug/l | Discharge Conc < TOI |
| Bis(2-Chloroisopropyl)Ether | 4 754 | P9/⊏ | Discharge Conc < TO |
| Bis(2-Ethylbexyl)Phthalate | 36.3 | P9/⊏ | Discharge Conc < TO |
| 4-Bromonhenyl Phenyl Ethor | 7/2 | <u>µ9/⊏</u> ца/Г | |
| Butyl Benzyl Phthalato | 2 38 | µg/∟ | |
| 2-Chloronanhthalana | 10 017 | µg/∟ | |
| 4 Chlorophonyl Dhonyl Ether | 13,017 N/A | μy/L N/A | |
| 4-Uniorophenyi Phenyi Ether | IN/A | IN/A | INO WQS |

| Chrysene | 13.6 | µg/L | Discharge Conc < TQL |
|---------------------------|---------|------|----------------------------|
| Dibenzo(a,h)Anthrancene | 0.011 | µg/L | Discharge Conc < TQL |
| 1,2-Dichlorobenzene | 2,253 | µg/L | Discharge Conc ≤ 25% WQBEL |
| 1,3-Dichlorobenzene | 166 | µg/L | Discharge Conc ≤ 25% WQBEL |
| 1,4-Dichlorobenzene | 2,006 | µg/L | Discharge Conc ≤ 25% WQBEL |
| 3,3-Dichlorobenzidine | 5.67 | µg/L | Discharge Conc < TQL |
| Diethyl Phthalate | 10,991 | µg/L | Discharge Conc < TQL |
| Dimethyl Phthalate | 6,869 | µg/L | Discharge Conc < TQL |
| Di-n-Butyl Phthalate | 302 | µg/L | Discharge Conc ≤ 25% WQBEL |
| 2,4-Dinitrotoluene | 5.67 | µg/L | Discharge Conc < TQL |
| 2,6-Dinitrotoluene | 5.67 | µg/L | Discharge Conc ≤ 25% WQBEL |
| Di-n-Octyl Phthalate | N/A | N/A | No WQS |
| 1,2-Diphenylhydrazine | 3.4 | µg/L | Discharge Conc < TQL |
| Fluoranthene | 475 | µg/L | Discharge Conc < TQL |
| Fluorene | 1,189 | µg/L | Discharge Conc < TQL |
| Hexachlorobenzene | 0.009 | µg/L | Discharge Conc < TQL |
| Hexachlorobutadiene | 1.13 | µg/L | Discharge Conc < TQL |
| Hexachlorocyclopentadiene | 13.7 | µg/L | Discharge Conc < TQL |
| Hexachloroethane | 11.3 | µg/L | Discharge Conc < TQL |
| Indeno(1,2,3-cd)Pyrene | 0.11 | µg/L | Discharge Conc < TQL |
| Isophorone | 808 | µg/L | Discharge Conc < TQL |
| Naphthalene | 385 | µg/L | Discharge Conc < TQL |
| Nitrobenzene | 238 | µg/L | Discharge Conc < TQL |
| n-Nitrosodimethylamine | 0.079 | µg/L | Discharge Conc < TQL |
| n-Nitrosodiphenylamine | 374 | µg/L | Discharge Conc < TQL |
| Phenanthrene | 13.7 | µg/L | Discharge Conc < TQL |
| Pyrene | 475 | µg/L | Discharge Conc < TQL |
| 1,2,4-Trichlorobenzene | 1.66 | µg/L | Discharge Conc < TQL |
| Aldrin | 0.00009 | µg/L | Discharge Conc < TQL |
| alpha-BHC | 0.045 | µg/L | Discharge Conc < TQL |
| beta-BHC | 0.91 | µg/L | Discharge Conc < TQL |
| gamma-BHC | 2.61 | µg/L | Discharge Conc < TQL |
| delta BHC | N/A | N/A | No WQS |
| Chlordane | 0.034 | µg/L | Discharge Conc < TQL |
| 4,4-DDT | 0.003 | µg/L | Discharge Conc < TQL |
| 4,4-DDE | 0.002 | µg/L | Discharge Conc < TQL |
| 4,4-DDD | 0.011 | µg/L | Discharge Conc < TQL |
| Dieldrin | 0.0001 | µg/L | Discharge Conc < TQL |
| alpha-Endosulfan | 0.6 | µg/L | Discharge Conc < TQL |
| beta-Endosulfan | 0.6 | µg/L | Discharge Conc < TQL |
| Endosulfan Sulfate | 475 | µg/L | Discharge Conc < TQL |
| Endrin | 0.24 | µg/L | Discharge Conc < TQL |
| Endrin Aldehyde | 23.8 | µg/L | Discharge Conc < TQL |
| Heptachlor | 0.0007 | µg/L | Discharge Conc < TQL |
| Heptachlor Epoxide | 0.003 | µg/L | Discharge Conc < TQL |

| Toxaphene | 0.005 | µg/L | Discharge Conc < TQL |
|-----------------|--------|------|----------------------------|
| Gross Alpha | N/A | N/A | No WQS |
| Total Beta | N/A | N/A | No WQS |
| Radium 226/228 | N/A | N/A | No WQS |
| Total Strontium | 95,087 | µg/L | Discharge Conc ≤ 10% WQBEL |
| Total Uranium | N/A | N/A | No WQS |
| | | | |