

**Fact Sheet**  
**Rhode Island Pollutant Discharge Elimination System (RIPDES)**  
**2024 Remediation General Permit (RGP)**

**Background**

In accordance with Chapter 46-12 of the Rhode Island General Laws, the discharge of pollutants to Waters of the State via a point source discharge is prohibited unless in compliance with the terms and conditions of a Rhode Island Pollutant Discharge Elimination System (RIPDES) permit issued in accordance with State Regulations. Therefore, the discharges associated with the treatment of remediation wastewaters to Waters of the State require a RIPDES Permit. The Rhode Island Department of Environmental Management (DEM), Office of Water Resources, has determined that the most efficient approach in permitting these discharges is to utilize a general permit. This affords the Office the ability to issue one permit to cover several categories of dischargers.

The purpose of this general permit is to cover discharges associated with the treatment of remediation wastewaters within the State. The primary benefit of using a general permit, as opposed to issuing several individual permits, is that streamlines the permitting process, allowing remedial activities to proceed without unnecessary delays, while affording equal environmental protection. As opposed to individual permits, the general permit does not require a public notice each time a specific discharge is authorized. The permit's streamlining reduces the application period, thereby effectively allowing DEM to respond quicker to environmental concerns and producing savings to potential applicants.

**Summary of Changes**

A summary of changes is provided below, with wording taken from the permit italicized for emphasis:

1. Part I.A.2.: Replaced the term “wastewater” with “effluent” in this Part.
2. Part I.A.3.a: Removed the term “associated with the treatment of groundwater” from this Part, and the term “reasonable”.
3. Part I.A.3.b - e: Removed the word “Remediation” from the description of these types of discharges that are included in Limitations of Coverage.
4. Part I.A.3.c: Added the term “, *or have a reasonable potential to cause,*” following “Discharges that may cause..”.
5. Part I.A.3.j: Added a limitation coverage for those discharges resulting from on-site response action conducted pursuant to CERCLA requirements.

*Remediation or dewatering discharges resulting from on-site response action conducted pursuant to §104, 106, 120, 121 or 122 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or discharges that may lead to recontamination of aquatic media at such sites. Discharges from activities beyond the scope of the CERCLA sites are not included in this exclusion. Operators of discharges to a CERCLA site must implement adequate control measures and/or procedures to ensure that discharges will be controlled as necessary such that the discharge meets limits for the applicable water quality criterion.*

6. Part I.B.5: Revised language in this part to state that owners and/or operators of facilities must “*submit to the Director a complete Notice of Termination (NOT)...*”, and to include electronic reporting language for the submission of NOTs as shown below:

At that point, coverage under this permit is terminated. *The permittee must submit the NOT to the Director by hard copy, unless an electronic reporting tool becomes available during the period covered under the permittee's permit coverage.*

7. Part II.A.1.a / Part II.A.6.a: Added clarifying language to reflect that monitoring may follow an alternative frequency following an approved reduction in monitoring requirements or during initial treatment system start-up:

II.A.1.a: Permittees must monitor twice per month for each outfall, *except where DEM requires an alternative frequency in accordance with Part II.A.6.d and Part II.B.2 of this permit.*

II.A.6.a: Upon becoming subject to this permit, permittees must monitor their effluents for all of the pollutants related to the applicable sub-categories listed in Part II.D at a frequency of twice per month *or an alternative frequency in accordance with Part II.A.6.d and Part II.B.2 of this permit,...*

8. Part II.A.2.d.ii: Revised the saltwater classification by removing “(classifications SA or SB)” and just including the term “Saltwaters”, which would encompass SA, SB, SB1, or SC receiving waterbodies per the Rhode Island Water Quality Regulations. This terminology was also updated in Part II.D (Effluent Limitations and Monitoring Requirements) for the respective Discharge Categories of A through J and as referenced elsewhere in the general permit.
9. Part II.A.7.e: Revised language regarding treatment system operating procedures following malfunction, breakthrough, or exceedance of permit effluent limits.

The permittee shall at all times properly operate and maintain the groundwater recovery/treatment system. *If there is any indication of treatment system malfunction, breakthrough, or exceedance of any effluent limitations, the system must be turned off and the Office of Water Resources notified within twenty-four (24) hours of becoming aware of the occurrence.*

10. Part II.A.10.b: Added language that requires operators to consider implementing enhanced controls to minimize impacts from stormwater discharges generated by major storm and flood events.

*b. If an operator determines their site may be exposed to, or has previously experienced such major storm and flood events, additional control measures that must be considered include, but are not limited to:*

- i. Reinforce materials storage structures to withstand flooding and additional exertion of force;*
- ii. Prevent floating of semi-stationary structures by elevating above flood level or securing with non-corrosive device;*
- iii. When a delivery of exposed materials is expected, and a storm is anticipated within 48 hours, delay delivery until after the storm or store materials as appropriate (refer to emergency procedures);*
- iv. Temporarily store materials and waste above flood level;*
- v. Temporarily reduce or eliminate outdoor storage;*
- vi. Temporarily relocate any mobile vehicles and equipment to higher ground;*
- vii. Develop scenario-based emergency procedures for major storm and flood events that are complementary to regular BMP planning and identify emergency contacts for staff and contractors; and*

viii. *Conduct staff training for implementing your emergency procedures at regular intervals.*

11. Part II.A.11: Added language regarding the application requirements for those sites with known or suspected per- and polyfluoroalkyl substances (PFAS) contamination.

*Applicants for sites and/or discharges with known or suspected per- and polyfluoroalkyl substances (PFAS) contamination shall test one sample of the influent as part of the application process. Sampling shall be for the PFAS analytes as shown in Attachment A. PFAS shall be analyzed using Clean Water Act wastewater analytical method 1633 until a 40 CFR Part 136 approved test method for wastewater is approved. If any PFAS compounds are detected based on the laboratory analysis, the applicant shall install appropriate treatment for the removal of PFAS and test the treated effluent when the discharge commences per the sampling requirements in Part II.B of the general permit. DEM may include additional conditions and/or sampling requirements in the DEM RGP Authorization.*

12. Part II.B.1.b: Added language clarifying the use of sufficiently sensitive and alternative test methods.

*All samples shall be tested according to sufficiently sensitive test procedures using the analytical methods found in 40 CFR Part 136, or alternative test methods approved in accordance with the procedures in 40 CFR Part 136, unless specifically prohibited or authorized for use by DEM.*

13. Part II.B.2.b: Added the clause “*unless a waiver is granted by DEM*” to this Part, which would allow the permittee/operator to request a waiver from DEM if laboratory turnaround times are not adequate to comply with the general permit.

14. Part II.B.3.a / Part II.B.3.b: Added clarifying language concerning recordkeeping requirements for on-site records and retention of records.

- a. On-site Records – The following records must be maintained, *either electronically or hard copy*, on-site and/or with the operator to be made available upon inspection and/or request by DEM:
- b. Retention of Records – Operators must retain the records specified above for a minimum of five (5) years from the date of the sample, measurement, report or notice, whichever applies. *If the permitted project is no longer active and there is no longer an on-site office, then the records shall be maintained at the operator’s business office.*

15. Part II.B.4.b: Revised monitoring and reporting language to change the reporting frequency for Discharge Monitoring Report (DMR) forms from quarterly to monthly for both discharges lasting 12 months or more, or less than 12 months. The reporting period is a calendar month with a monthly DMR due date of the 15<sup>th</sup> day of the month following the completed reporting period. The first DMR form is due for the calendar month during which the facility obtained coverage under the general permit.

16. Part II.B.4c: Revised the reporting requirements to add “*analytical laboratory reports*” as an item that shall be submitted to DEM as an attachment in NetDMR.

17. Part II.B.4.d: Revised the reporting requirements to add “*Request to modify the approved treatment system per Part II.A.7.a*” as an item that shall be submitted to DEM as hard copy. Also, added the statement that the submittal of the reports and request contained in the part shall be submitted as hard copy to DEM “*unless an electronic reporting tool becomes available*”.

18. Part II.B.4.e: Updated the twenty-four hour reporting notification requirements language as noted below.

Twenty-four hour reporting. The permittee shall report any noncompliance which may endanger health or the environment by calling DEM *within twenty-four hours of becoming aware of the violation* at (401) 222-4700 or (401) 222-3070 at night.

19. Part II.D - E: Revisions to pollutant effluent limitations and/or monitor only requirements as noted below. Further detail will be provided in the 'Permit Basis and Explanation of Effluent Limitation Derivation' section of the Fact Sheet below.
  - a. Added PFAS Analytes shown in Attachment A of the general permit as pollutants to Categories C, E, G, H, I, and J for discharges to AA, freshwater Non-AA waters, and saltwaters.
  - b. Added Footnote 6 that requires PFAS to be analyzed using Clean Water Act wastewater analytical method 1633 until a 40 CFR Part 136 test method for wastewater is approved.
  - c. Added Footnote number 7 that requires Total Petroleum Hydrocarbons be analyzed using EPA SW-846 test method 8100M.
  - d. Updated Factsheet Appendix A to reflect above new pollutant monitoring requirements.
20. Part II.F.9: Updated Notice of Intent (NOI) requirements section to state that a completed and signed NOI must be submitted to the following address "*by hard copy*" in accordance with the schedule in Part I.B.3 "*unless an electronic reporting tool becomes available*".
21. Part II.G: Removed the words "or sludge" from the second and third paragraphs of this part. Also, revised the QL table to remove Total Petroleum Hydrocarbons from the list of parameters and associated Quantitation Limits. This is due to allowing an alternative SW-846 test method for this parameter in order to achieve a lower laboratory reporting limit.
22. Updated the dilution determination worksheet such that that using the USGS StreamStats website to determine 7Q10 flows for RI water bodies is recommended ***only if*** a 7Q10 could not be determined using the 'RIPDES 7Q10 Policy (<https://dem.ri.gov/sites/g/files/xkgbur861/files/programs/benviron/water/permits/ripdes/pdfs/ripdes-policy.pdf>). This worksheet can be found as an attachment to the general permit.
23. Revised Notice of Intent (NOI) form to reflect the addition of PFAS Analytes as noted above.
24. Minor changes throughout the general permit that include arrangement of the permit, correction of grammatical and typographical errors, and removal of minor inconsistencies.

### **Applicability and Coverage**

The enclosed general permit applies to all areas of the State of Rhode Island. This permit covers the discharge of treated effluent to surface waters from a variety of sources. This permit covers: 1) discharges from site remediation activities related primarily to petroleum, including site remediation of groundwater contaminated from spills or leaks of gasoline, fuel oil, or other oil contaminated sites, and related activities 2) site remediation where the spill or leak is not petroleum specific, such as sites contaminated with volatile organic compounds and/or metals, and related activities 3) construction dewatering of contaminated sites, including locations where sub-surface site investigations and/or soil characterization for disposal have revealed various pollutants associated with past industrialization, power generation, incineration, or other activity where no specific source of contamination is apparent, and related activities 4) dewatering of miscellaneous contaminated sites, such as remediation of contaminated sumps, aquifer pump testing to evaluate remediation of formerly contaminated sites, well development or rehabilitation at contaminated or formerly contaminated sites, and hydrostatic testing of fuel pipelines and tanks and related activities.

The general permit is divided up into ten (10) discharge categories. An applicant or permittee may be granted coverage under the ten (10) discharge categories as follows: A. Gasoline Remediation Sites, B. Fuel Oil (and other Oils) Sites, C. Petroleum Sites Containing Other Pollutants, D. Volatile Organic Compound (VOC) Only Sites, E. VOC Sites Containing Other Contaminants, F. Sites Containing Primarily Metals, G. Contaminated Construction Dewatering, H. Aquifer Pump Testing and Well Development or Rehabilitation at Contaminated Sites, I. Hydrostatic Testing of Pipelines and Tanks, and J. Contaminated Sumps and Dikes.

During the process of developing the RIPDES Remediation General Permit (RIPDES RGP), the RIDEM used the 2022 USEPA National Pollutant Discharge Elimination System (NPDES) General Permit for Dewatering and Remediation Discharges to Certain Waters of the Commonwealth of Massachusetts and the State of New Hampshire (EPA DRGP) as a model for its permit (<https://www.epa.gov/npdes-permits/dewatering-and-remediation-general-permit-drgp>). In developing the EPA DRGP, the EPA reviewed the broad spectrum of potential pollutants which are typically encountered at contaminated sites and the technologies used to meet effluent requirements. The RIPDES program has had extensive experience permitting remediation related discharges through the issuance of general permits and through the traditional individual RIPDES permitting process. The RIPDES program agrees with the EPA's assertion that the majority of discharges contain common groups of pollutants, such as total suspended solids (TSS), petroleum hydrocarbons and/or other volatile organic compounds (VOC's) or semi-volatile organic compounds (SVOCs) including polynuclear aromatic hydrocarbons (PAHs). Similarly, as in Massachusetts and New Hampshire, nearly all of the discharges from remediation projects in Rhode Island have utilized off the shelf, economically viable and proven treatment systems including: 1) phase separation, 2) sedimentation, 3) filtration, 4) air stripping and/or 5) carbon adsorption. For metals removal, typical controls include chemical addition and filtration, pH adjustment and filtration, and ion exchange.

Although some common pollutants are more difficult to treat due to their physical characteristics, operations data submitted to EPA and the DEM RIPDES Program from the majority of dischargers using these systems indicate that very low effluent concentrations meeting current discharge standards, are routinely achieved. The most common volatile organic compounds such as Benzene, Toluene, Ethylbenzene, Xylenes (BTEX) in petroleum hydrocarbon discharges and the chlorinated solvents such as Trichloroethylene (TCE) and Tetrachloroethylene (PCE) can typically be treated to below laboratory detection levels by these common technologies.

The RIPDES RGP contains specific effluent limitations that are applicable to each of the ten discharge categories outlined above. For certain discharges such as hydrostatic test discharges, the permit contains specific additional requirements. Although the DEM does not specify particular technologies for meeting standards, each permit application is required to include treatment system design specifications which will be reviewed by the DEM RIPDES program for conformance with generally accepted engineering practices and the effluent limitations specified in the RIPDES RGP. In instances where proposed discharges include pollutants other than those included in the specific discharge category that applies to the discharge, or where applicants encounter particularly difficult pollutant control situations, the owner/operator may be required to submit an application for an individual RIPDES permit.

## **Permit Basis and Explanation of Effluent Limitation Derivation**

### **General Requirements**

Development of RIPDES permit limitations is a multi-step process consisting of the following steps: identifying applicable technology-based limits; calculating allowable water-quality based discharge levels based on in stream criteria, background data and available dilution; establishing Best Professional Judgement (BPJ) limits in accordance with Section 402 of the CWA; and assigning the most stringent as the final discharge limitations.

As indicated above, the DEM RIPDES Program is required to consider technology and water quality requirements when developing permit limits. 40 CFR Part 125, Subpart A, sets the criteria and standards that States must use to determine which technology-based requirements, requirements under Section 301(b) of the Act and/or requirements established on a case-by-case basis under Section 402(a)(1) of the Act, should be included in the permit.

The Clean Water Act requires that all discharges, at a minimum, must meet effluent limitations based on the technology-based treatment requirements for dischargers to control pollutants in their discharge. Section 301(b)(1)(A) of the Clean Water Act requires the application of Best Practicable Control Technology Currently Available (BPT) and Section 301(b)(2) of the Clean Water Act requires the application of Best Conventional Control Technology (BCT) for conventional pollutants, and Best Available Technology Economically Achievable

(BAT) for non-conventional and toxic pollutants. BPT requirements were to be in effect by July 1, 1977 and BCT/BAT requirements by March 31, 1989. Thus, for all dischargers covered by this general permit, BCT/BAT requirements apply.

The EPA is continually developing Effluent Limitation Guidelines (ELGs) for industrial activities for BPT and BAT as directed in the original Federal Water Pollution Control Act Amendments of 1972. Although many ELGs have been developed, no ELGs have been developed which cover the types of discharges covered by this general permit. Therefore, as provided in Section 402(a)(1) of the Act, the EPA established technology based effluent limitations in the EPA DRGP utilizing Best Professional Judgement (BPJ) to meet the requirements for BCT/BAT. The DEM has established similar technology based BPJ effluent limitations as the EPA's DRGP and has incorporated these limitations into the RIPDES RGP as described below.

Under Section 301(b)(1)(C) of the CWA, discharges are also subject to effluent limitations based on water quality standards. Section 303(c) of the CWA requires every state to develop water quality standards applicable to all water bodies or segments of water bodies that lie within the State. Waters within the State are classified according to use and numerical and/or narrative standards are adopted and approved by EPA. Along with the BPJ-based effluent limitations described above, water quality standards were also used to establish water quality-based effluent limitations in EPA's DRGP and in the RIPDES RGP.

### **Limitations of Coverage**

The following discharges are not authorized by this permit:

1. Discharges that have a reasonable potential to be contaminated with sources other than those specified in the permit.
2. Discharges that may adversely affect a State or Federally listed, or a proposed to be listed, endangered or threatened species or its critical habitat.
3. Discharges that may cause or contribute to a water quality violation.
4. Discharges to the terminal reservoir of a public drinking water supply.
5. Discharges to Class AA, A, or SA waters where the applicant failed to demonstrate to the satisfaction of the Director, that no reasonable alternative exists and that the discharge will not impair existing uses or the attainment of designated uses.
6. Discharges to a Publicly Owned Treatment Works (POTWs).
7. Discharge of dredge drain back waters covered by CWA Section 401 and 404.
8. Discharges listed in an individual permit unless:
  - a. the permit has expired;
  - b. DEM has terminated the existing permit;
  - c. The discharges are separate from the currently permitted discharges; or
  - d. The discharge is new and eligible for this permit (e.g., an industry where the primary process waste discharge is covered by an individual permit but the facility is conducting groundwater remediation with separate treatment and discharge).
9. Discharges for which the Director makes a determination that an individual permit is required under the RIPDES Regulations.
10. Remediation or dewatering discharges resulting from on-site response action conducted pursuant to §104, 106, 120, 121 or 122 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) or discharges that may lead to recontamination of aquatic media at such sites. Discharges from activities beyond the scope of the CERCLA sites are not included in this exclusion. Operators of discharges to a CERCLA site must implement adequate control measures and/or procedures to ensure that discharges will be controlled as necessary such that the discharge meets limits for the applicable water quality criterion.

## Development of Effluent Limitations

In conducting research to develop the previous general permit, the DEM RIPDES Program had previously relied heavily on the development and supporting documents associated with the EPA DRGP. Based on all of the available information from past permitting of general and individual permits associated with remediation sites, DEM along with the EPA has concluded that for nearly every site:

1. a comprehensive set of discharge parameters can be selected.
2. appropriate standards, both numerical and narrative, exist to evaluate and establish permit limitations, and
3. cost effective technology (BAT) currently exists and is in wide use to meet the limitations to ensure that water quality standards are met on a consistent basis.

In developing EPA's DRGP, EPA determined that various types of discharges can be broadly grouped into categories of similar activities and, that within these activity groups, common pollutants are typically found. The DEM RIPDES Program and EPA are in agreement that the potential exists for any one or groups of pollutants listed as toxic or hazardous pollutants under various EPA and State water and remediation programs to be present at a contamination site. Based on available literature, reviews of existing permits as well as operational information from site remediation projects, EPA determined that it would be impractical and unnecessary to attempt to document and limit every contaminant that could be present in a discharge under the EPA DRGP. Of the many individual pollutants potentially encountered in discharges covered by the RIPDES RGP, the physical/chemical characteristics of individual pollutants or compounds often make them useful as "indicator" pollutants for establishing technology-based (BAT) effluent limitations. Rather, than limiting all the possible pollutants in a common group, it is often more efficient to regulate an indicator contaminant. Different pollutants or classes of compounds may have varying susceptibilities to treatment by pollution control technologies. Certain pollutants or classes of pollutants may be more toxic than others, but the removal of an indicator pollutant can ensure that other pollutants with similar characteristics will also be removed. For example, benzene is often used as an indicator compound in the control of the volatile organic compounds (e.g. toluene, ethylbenzene, and xylenes) in gasoline and other gasoline constituents due to similar chemical characteristics and behavior when available control methods are used.

Based on the information available, including discharge monitoring reports from more than 2,000 historical sites, EPA selected a limited number of pollutants for specific effluent limitations in the EPA DRGP. In general, these pollutants represent those that are most commonly reported from the categories of activities being covered by the RIPDES RGP (See Table 1 Below). Additional parameters were evaluated by the EPA for inclusion in the EPA DRGP but were not listed for a variety of reasons including: rarely found in discharges and common pollutants which are known to be removed along with indicator pollutants. The DEM RIPDES Program has determined that some parameters (for example, pesticide compounds) are infrequently encountered in discharges covered by this permit and if an owner/operator determines that a compound is a contaminant, an individual RIPDES permit may be required, or another means of handling the wastewater may be necessary.

<b>Table 1. RIPDES RGP Discharge Categories and Pollutants</b>
<b>A. Gasoline Remediation Sites</b> Ethanol, Benzene, Toluene, & Ethylbenzene, Xylenes (BTEX), Naphthalene, Ethylene dibromide, Methyl-t-Butyl Ether (MTBE), tert-Butyl Alcohol, tert-Amyl Methyl Ether, Total Suspended Solids, Total Petroleum Hydrocarbons, Lead and Iron

**B. Fuel Oil (and other Oils) Sites**

Acetone, Total Suspended Solids, Total Petroleum Hydrocarbons, Naphthalene, Total Group I Polycyclic Aromatic Hydrocarbons, Benzo (a) Anthracene, Benzo (a) Pyrene, Benzo (b) Fluoranthene, Benzo (k) Fluoranthene, Chrysene, Dibenzo (a,h) anthracene, Indeno (1,2,3-cd) Pyrene, Total Group II Polycyclic Aromatic Hydrocarbons, Acenaphthene, Acenaphthylene, Anthracene, Benzo (ghi) Perylene, Fluoranthene, Fluorene, Phenanthrene, Pyrene, Benzene, Toluene, Ethylbenzene, Total Xylenes (m,p,o), Methyl-t-Butyl Ether, Total BTEX, Nickel, Chromium III (trivalent), Chromium VI, Zinc, and Iron

**C. Petroleum Sites Containing Other Pollutants**

Ammonia, Ethanol, Total Suspended Solids, Total Residual Chlorine, Total Petroleum Hydrocarbons, Cyanide, Benzene, Toluene, Ethylbenzene, Total Xylenes (m,p,o), Total BTEX, Ethylene dibromide, Methyl-t-Butyl Ether, tert-Amyl Methyl Ether, Carbon Tetrachloride, 1,4 Dichlorobenzene, 1,2 Dichlorobenzene, 1,3 Dichlorobenzene, Total Dichlorobenzene, 1,1 Dichloroethane, 1,2 Dichloroethane, 1,1 Dichloroethylene, cis-1,2 Dichloroethylene, Dichloromethane, Tetrachloroethylene, 1,1,1 Trichloroethane, 1,1,2 Trichloroethane, Trichloroethylene, Vinyl Chloride, Acetone, 1,4 Dioxane, Total Phenols, Pentachlorophenol, Total Phthalates, Bis (2-Ethylhexyl) Phthalate, Total Group I Polycyclic Aromatic Hydrocarbons, Benzo (a) Anthracene, Benzo (a) Pyrene, Benzo (b) Fluoranthene, Benzo (k) Fluoranthene, Chrysene, Dibenzo (a,h) anthracene, Indeno (1,2,3-cd) Pyrene, Total Group II Polycyclic Aromatic Hydrocarbons, Acenaphthene, Acenaphthylene, Anthracene, Benzo (g,h,i) Perylene, Fluoranthene, Fluorene, Naphthalene, Phenanthrene, Pyrene, Total Polychlorinated Biphenyls, Antimony, Arsenic, Cadmium, Chromium III, Chromium VI, Copper, Lead, Mercury, Nickel, Selenium, Silver, Zinc, Iron, and PFAS Analytes (See Table 2)

**D. Volatile Organic Compound (VOC) Only Sites**

Carbon Tetrachloride, 1,2 Dichlorobenzene, 1,3 Dichlorobenzene, 1,4 Dichlorobenzene, Total Dichlorobenzene, 1,1 Dichloroethane, 1,2 Dichloroethane, 1,1 Dichloroethylene, cis 1,2 Dichloroethylene, Methylene Chloride, Tetrachloroethylene, 1,1,1 Trichloroethane, 1,1,2 Trichloroethane, Trichloroethylene, Vinyl Chloride, Total Petroleum Hydrocarbons, Total Phenols, Pentachlorophenol, Total Phthalates Bis (2-Ethylhexyl) Phthalate, Total Polychlorinated Biphenyls, Acetone, 1,4 Dioxane, Total BTEX, Iron, and Total Suspended Solids

**E. VOC Sites Containing Other Contaminants**

Ammonia, Ethanol, Total Suspended Solids, Total Residual Chlorine, Total Petroleum Hydrocarbons, Cyanide, Benzene, Toluene, Ethylbenzene, Total Xylenes (m,p,o), Total BTEX, Ethylene dibromide, Methyl-t-Butyl Ether, tert-Amyl Methyl Ether, Carbon Tetrachloride, 1,4 Dichlorobenzene, 1,2 Dichlorobenzene, 1,3 Dichlorobenzene, Total Dichlorobenzene, 1,1 Dichloroethane, 1,2 Dichloroethane, 1,1 Dichloroethylene, cis-1,2 Dichloroethylene, Dichloromethane, Tetrachloroethylene, 1,1,1 Trichloroethane, 1,1,2 Trichloroethane, Trichloroethylene, Vinyl Chloride, Acetone, 1,4 Dioxane, Total Phenols, Pentachlorophenol, Total Phthalates, Bis (2-Ethylhexyl) Phthalate, Total Group I Polycyclic Aromatic Hydrocarbons, Benzo (a) Anthracene, Benzo (a) Pyrene, Benzo (b) Fluoranthene, Benzo (k) Fluoranthene, Chrysene, Dibenzo (a,h) anthracene, Indeno (1,2,3-cd) Pyrene, Total Group II Polycyclic Aromatic Hydrocarbons, Acenaphthene, Acenaphthylene, Anthracene, Benzo (g,h,i) Perylene, Fluoranthene, Fluorene, Naphthalene, Phenanthrene, Pyrene, Total Polychlorinated Biphenyls, Antimony, Arsenic, Cadmium, Chromium III, Chromium VI, Copper, Lead, Mercury, Nickel, Selenium, Silver, Zinc, Iron, and PFAS Analytes (See Table 2)

**F. Sites Containing Primarily Metals**

Antimony, Arsenic, Cadmium, Chromium III, Chromium VI, Copper, Lead, Mercury, Nickel, Selenium, Silver, Zinc, Iron, Cyanide, Carbon Tetrachloride, 1,2 Dichlorobenzene, 1,3 Dichlorobenzene, 1,4 Dichlorobenzene, Total Dichlorobenzene, 1,1 Dichloroethane, 1,2 Dichloroethane, 1,1 Dichloroethylene, cis-1,2 Dichloroethylene, Methylene Chloride, Tetrachloroethylene, 1,1,1 Trichloroethane, 1,1,2 Trichloroethane, Trichloroethylene, Vinyl Chloride, Total Suspended Solids.



**G. Contaminated Construction Dewatering**

Ammonia, Ethanol, Total Suspended Solids, Total Residual Chlorine, Total Petroleum Hydrocarbons, Cyanide, Benzene, Toluene, Ethylbenzene, Total Xylenes (m,p,o), Total BTEX, Ethylene dibromide, Methyl-t-Butyl Ether, tert-Amyl Methyl Ether, Carbon Tetrachloride, 1,4 Dichlorobenzene, 1,2 Dichlorobenzene, 1,3 Dichlorobenzene, Total Dichlorobenzene, 1,1 Dichloroethane, 1,2 Dichloroethane, 1,1 Dichloroethylene, cis-1,2 Dichloroethylene, Dichloromethane, Tetrachloroethylene, 1,1,1 Trichloroethane, 1,1,2 Trichloroethane, Trichloroethylene, Vinyl Chloride, Acetone, 1,4 Dioxane, Total Phenols, Pentachlorophenol, Total Phthalates, Bis (2-Ethylhexyl) Phthalate, Total Group I Polycyclic Aromatic Hydrocarbons, Benzo (a) Anthracene, Benzo (a) Pyrene, Benzo (b) Fluoranthene, Benzo (k) Fluoranthene, Chrysene, Dibenzo (a,h) anthracene, Indeno (1,2,3-cd) Pyrene, Total Group II Polycyclic Aromatic Hydrocarbons, Acenaphthene, Acenaphthylene, Anthracene, Benzo (g,h,i) Perylene, Fluoranthene, Fluorene, Naphthalene, Phenanthrene, Pyrene, Total Polychlorinated Biphenyls, Antimony, Arsenic, Cadmium, Chromium III, Chromium VI, Copper, Lead, Mercury, Nickel, Selenium, Silver, Zinc, Iron, and PFAS Analytes (See Table 2)

**H. Aquifer Pump Testing and Well Development or Rehabilitation at Contaminated Sites**

Ammonia, Ethanol, Total Suspended Solids, Total Residual Chlorine, Total Petroleum Hydrocarbons, Cyanide, Benzene, Toluene, Ethylbenzene, Total Xylenes (m,p,o), Total BTEX, Ethylene dibromide, Methyl-t-Butyl Ether, tert-Amyl Methyl Ether, Carbon Tetrachloride, 1,4 Dichlorobenzene, 1,2 Dichlorobenzene, 1,3 Dichlorobenzene, Total Dichlorobenzene, 1,1 Dichloroethane, 1,2 Dichloroethane, 1,1 Dichloroethylene, cis-1,2 Dichloroethylene, Dichloromethane, Tetrachloroethylene, 1,1,1 Trichloroethane, 1,1,2 Trichloroethane, Trichloroethylene, Vinyl Chloride, Acetone, 1,4 Dioxane, Total Phenols, Pentachlorophenol, Total Phthalates, Bis (2-Ethylhexyl) Phthalate, Total Group I Polycyclic Aromatic Hydrocarbons, Benzo (a) Anthracene, Benzo (a) Pyrene, Benzo (b) Fluoranthene, Benzo (k) Fluoranthene, Chrysene, Dibenzo (a,h) anthracene, Indeno (1,2,3-cd) Pyrene, Total Group II Polycyclic Aromatic Hydrocarbons, Acenaphthene, Acenaphthylene, Anthracene, Benzo (g,h,i) Perylene, Fluoranthene, Fluorene, Naphthalene, Phenanthrene, Pyrene, Total Polychlorinated Biphenyls, Antimony, Arsenic, Cadmium, Chromium III, Chromium VI, Copper, Lead, Mercury, Nickel, Selenium, Silver, Zinc, Iron, and PFAS Analytes (See Table 2)

**I. Hydrostatic Testing of Pipelines and Tanks**

Ethanol, Total Suspended Solids, Total Residual Chlorine, Total Petroleum Hydrocarbons, Benzene, Total BTEX, Naphthalene, Ethylene dibromide, Methyl-t-Butyl Ether, tert-Butyl Alcohol, tert-Amyl Methyl Ether, Bis (2-Ethylhexyl) Phthalate, Total Group I Polycyclic Aromatic Hydrocarbons, Benzo (a) Anthracene, Benzo (a) Pyrene, Benzo (b) Fluoranthene, Benzo (k) Fluoranthene, Chrysene, Dibenzo (a,h) anthracene, Indeno (1,2,3-cd) Pyrene, Lead, Nickel, Chromium III, Chromium VI, Copper, Zinc, Iron, and PFAS Analytes (See Table 2)

**J. Contaminated Sumps and Dikes**

Ammonia, Ethanol, Total Suspended Solids, Total Residual Chlorine, Total Petroleum Hydrocarbons, Cyanide, Benzene, Toluene, Ethylbenzene, Total Xylenes (m,p,o), Total BTEX, Ethylene dibromide, Methyl-t-Butyl Ether, tert-Amyl Methyl Ether, Carbon Tetrachloride, 1,4 Dichlorobenzene, 1,2 Dichlorobenzene, 1,3 Dichlorobenzene, Total Dichlorobenzene, 1,1 Dichloroethane, 1,2 Dichloroethane, 1,1 Dichloroethylene, cis-1,2 Dichloroethylene, Dichloromethane, Tetrachloroethylene, 1,1,1 Trichloroethane, 1,1,2 Trichloroethane, Trichloroethylene, Vinyl Chloride, Acetone, 1,4 Dioxane, Total Phenols, Pentachlorophenol, Total Phthalates, Bis (2-Ethylhexyl) Phthalate, Total Group I Polycyclic Aromatic Hydrocarbons, Benzo (a) Anthracene, Benzo (a) Pyrene, Benzo (b) Fluoranthene, Benzo (k) Fluoranthene, Chrysene, Dibenzo (a,h) anthracene, Indeno (1,2,3-cd) Pyrene, Total Group II Polycyclic Aromatic Hydrocarbons, Acenaphthene, Acenaphthylene, Anthracene, Benzo (g,h,i) Perylene, Fluoranthene, Fluorene, Naphthalene, Phenanthrene, Pyrene, Total Polychlorinated Biphenyls, Antimony, Arsenic, Cadmium, Chromium III, Chromium VI, Copper, Lead, Mercury, Nickel, Selenium, Silver, Zinc, Iron, and PFAS Analytes (See Table 2)

For each of the ten (10) discharge categories established by this permit (Categories A thru J) final limits were established by comparing and selecting the most stringent limits applicable for each pollutant in each category from the RIPDES 2019 Remediation General Permit and the 2023 RI Water Quality Regulations (250-RICR-150-05-1) assuming no background data is available and a dilution factor equal to 1 (i.e. Limit = 80% of water quality criteria). For each of the ten discharge categories (A-J), each category was divided up into three water quality

classifications (Class AA, freshwater Non-Class AA, and Saltwater). For example, for discharge category A - Gasoline Remediation Sites, the RIPDES RGP authorizes owners/operators to discharge treated effluent to Class AA freshwaters, Non-Class AA freshwaters, or saltwaters. For any parameters limited with a specific category, the limits will vary from one discharge classification subcategory to the next depending on the water quality standards that were used in the limit development comparison. Typically, Class AA water quality standards are the most stringent, therefore for each major discharge category that would potentially discharge to Class AA waters, these discharges will have the most stringent limits applied because Class AA water quality standards are the most protective. Water body classification information and permit categories will be provided by all applicants and evaluated by the DEM RIPDES Program upon submittal of a complete NOI.

## **Metals Limitations**

The only exception to the limit development process discussed above is the method that the DEM RIPDES Program has selected in applying metals limitations under the RIPDES RGP. For discharges containing metals, dilution will be considered in setting the effluent limits in the permit for discharges to freshwaters. This stance is also consistent with the EPA DRGP. Each applicant is required to provide a dilution factor for the point of discharge with supporting documentation as part of the NOI in order to receive metals limits based on a dilution factor greater 1. The RIPDES RGP establishes six (6) tiers of dilution within which an applicant's discharge may operate. These tiers are listed in the RIPDES RGP as well as within Appendix A.4 of this Fact Sheet.

For the majority of situations, the treatment systems are expected to remove contaminants down to very low levels that should be capable of achieving water quality standards for zero dilution situations. However, for metals, DEM has decided to apply a dilution factor since a number of metals are naturally occurring or secondary to more concentrated and toxic compounds found in the discharge (e.g., hydrocarbons).

For example, for a mixed effluent of pollutants that includes petroleum hydrocarbons and/or industrial solvents (VOCs), there may also be low levels of one or more metals present in the groundwater. The primary concern during most remediation projects is removing the BTEX, PAHs, and VOCs using standard treatment such as carbon adsorption. The low levels of metals in the groundwater would be a secondary concern and to further reduce them at zero dilution could require significant additional expense and complexity of the treatment system without being necessary to protect water quality. If the receiving water has available dilution, simple changes could be made to the components of the standard treatment train, such as enhancing the filtration step for fine solids (assuming that the metals are bound to the fines), before the carbon treatment to remove enough metals to meet the metals limit with dilution.

Appendix A of this Fact Sheet includes a listing of each discharge category and a summary of the limit comparison that was conducted for each. Appendices A.1-3 include limit comparison tables for each of the three major water body classifications, Class AA freshwater, Non-Class AA freshwater, and saltwaters. Appendix A.4 includes a summary of the applicable metals limitations associated with each dilution tier established for dischargers of metals who propose to discharge to freshwaters. For each discharge category and for each potential water body classification a listing of proposed final limits are presented in bold.

The Rhode Island Water Quality Regulations (250-RICR-150-05-1.26(G)) contain site-specific water quality criteria for various metals for certain freshwaters in Rhode Island. Site specific criteria are statewide criteria that are modified to reflect local environmental conditions. Specifically, site-specific criteria were developed for five total recoverable metals (cadmium, copper, lead, silver, and zinc) along the Pawtuxet River South Branch (RI0006014R-04B) and the Pawtuxet River Main Stem (RI0006017R-03) and site specific dissolved copper criteria were adopted for the Blackstone River (RI0001003R-01A and RI0001003R-01B), Ten Mile River (RI0004009R-01A and RI0004009R-01B), including Turner Reservoir (RI0004009L-01A and RI0004009L-01B) and Omega Pond (RI0004009L-03), and the Woonasquatucket River (RI0002007R-10C and RI0002007R-10D). The statewide criteria used to develop metals limits in Part II.E of the permit are as protective of aquatic health as the site-specific criteria and are therefore protective of each waterbody's designated uses. If applicants wish to have limits assigned using site-specific criteria, they must apply for an individual permit.

## New and Revised Pollutant Effluent Limitations and Monitor-Only Requirements in the 2024 RIPDES RGP

The effluent limitations and/or monitor-only requirements proposed in the 2024 RIPDES RGP which are new or revised from the 2019 RIPDES RGP are listed in Table 2 below.

Table 2: Summary of Proposed PFAS Analytes Monitor-Only Requirements for Class AA/Non-Class AA/Saltwater Receiving Waters

PFAS Parameter	Effluent Limitations	
	Monthly Average	Daily Maximum
<b>Perfluoroalkyl carboxylic acids</b>		
Perfluorobutanoic acid	Monitor Only ng/L	Monitor Only ng/L
Perfluoropentanoic acid	Monitor Only ng/L	Monitor Only ng/L
Perfluorohexanoic acid	Monitor Only ng/L	Monitor Only ng/L
Perfluoroheptanoic acid	Monitor Only ng/L	Monitor Only ng/L
Perfluorooctanoic acid	Monitor Only ng/L	Monitor Only ng/L
Perfluorononanoic acid	Monitor Only ng/L	Monitor Only ng/L
Perfluorodecanoic acid	Monitor Only ng/L	Monitor Only ng/L
Perfluoroundecanoic acid	Monitor Only ng/L	Monitor Only ng/L
Perfluorododecanoic acid	Monitor Only ng/L	Monitor Only ng/L
Perfluorotridecanoic acid	Monitor Only ng/L	Monitor Only ng/L
Perfluorotetradecanoic acid	Monitor Only ng/L	Monitor Only ng/L
<b>Perfluoroalkyl sulfonic acids</b>		
<i>Acid Form</i>		
Perfluorobutanesulfonic acid	Monitor Only ng/L	Monitor Only ng/L
Perfluoropentanesulfonic acid	Monitor Only ng/L	Monitor Only ng/L
Perfluorohexanesulfonic acid	Monitor Only ng/L	Monitor Only ng/L
Perfluoroheptanesulfonic acid	Monitor Only ng/L	Monitor Only ng/L
Perfluorooctanesulfonic acid	Monitor Only ng/L	Monitor Only ng/L
Perfluoronanesulfonic acid	Monitor Only ng/L	Monitor Only ng/L
Perfluorodecanesulfonic acid	Monitor Only ng/L	Monitor Only ng/L
Perfluorododecanesulfonic acid	Monitor Only ng/L	Monitor Only ng/L
<b>Fluorotelomer sulfonic acids</b>		
1H,1H, 2H, 2H-Perfluorohexane sulfonic acid	Monitor Only ng/L	Monitor Only ng/L
1H,1H, 2H, 2H-Perfluorooctane sulfonic acid	Monitor Only ng/L	Monitor Only ng/L
1H,1H, 2H, 2H-Perfluorodecane sulfonic acid	Monitor Only ng/L	Monitor Only ng/L
<b>Perfluorooctane sulfonamides</b>		
Perfluorooctanesulfonamide	Monitor Only ng/L	Monitor Only ng/L
N-methyl perfluorooctanesulfonamide	Monitor Only ng/L	Monitor Only ng/L
N-ethyl perfluorooctanesulfonamide	Monitor Only ng/L	Monitor Only ng/L
<b>Perfluorooctane sulfonamidoacetic acids</b>		
N-methyl perfluorooctanesulfonamidoacetic acid	Monitor Only ng/L	Monitor Only ng/L
N-ethyl perfluorooctanesulfonamidoacetic acid	Monitor Only ng/L	Monitor Only ng/L
<b>Perfluorooctane sulfonamide ethanols</b>		
N-methyl perfluorooctanesulfonamidoethanol	Monitor Only ng/L	Monitor Only ng/L
N-ethyl perfluorooctanesulfonamidoethanol	Monitor Only ng/L	Monitor Only ng/L
<b>Per- and Polyfluoroether carboxylic acids</b>		
Hexafluoropropylene oxide dimer acid	Monitor Only ng/L	Monitor Only ng/L

PFAS Parameter	Effluent Limitations	
	Monthly Average	Daily Maximum
4,8-Dioxa-3H-perfluorononanoic acid	Monitor Only ng/L	Monitor Only ng/L
Perfluoro-3-methoxypropanoic acid	Monitor Only ng/L	Monitor Only ng/L
Perfluoro-4-methoxybutanoic acid	Monitor Only ng/L	Monitor Only ng/L
Nonafluoro-3,6-dioxaheptanoic acid	Monitor Only ng/L	Monitor Only ng/L
<b>Ether sulfonic acids</b>		
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid	Monitor Only ng/L	Monitor Only ng/L
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid	Monitor Only ng/L	Monitor Only ng/L
Perfluoro(2-ethoxyethane)sulfonic acid	Monitor Only ng/L	Monitor Only ng/L
<b>Fluorotelomer carboxylic acids</b>		
3-Perfluoropropyl propanoic acid	Monitor Only ng/L	Monitor Only ng/L
2H,2H,3H,3H-Perfluorooctanoic acid	Monitor Only ng/L	Monitor Only ng/L
3-Perfluoroheptyl propanoic acid	Monitor Only ng/L	Monitor Only ng/L

\* All values are in ng/l.  
 --- = monitor only, no limits

### Emerging Contaminants

Per- and polyfluoroalkyl substances (PFAS) are a group of synthetic compounds that have been in use since the 1940s. They are found in a wide array of consumer and industrial products. PFAS manufacturing and processing facilities, facilities using PFAS in production of other products, airports, and military installations can be contributors of PFAS releases into the air, soil, and water. Exposure to some PFAS above certain levels may increase risk of adverse health effects.<sup>1</sup> DEM is implementing monitoring requirements in this general permit to evaluate the potential impacts that discharges of PFAS from various remedial/dewatering type dischargers may have on downstream uses, which can include drinking water, recreational and aquatic life uses depending on the receiving water.

In 2022, Rhode Island passed a law concerning PFAS in drinking water, groundwater, and surface waters. The Rhode Island law establishes monitoring requirements for public water supplies as well as treatment requirements if the sum of the concentrations of the following six species of PFAS exceed 20 parts per trillion (ppt).

- Perfluorohexanesulfonic acid (PFHxS)
- Perfluoroheptanoic acid (PFHpA)
- Perfluorononanoic acid (PFNA)
- Perfluorooctanesulfonic acid (PFOS)
- Perfluorooctanoic acid (PFOA)
- Perfluorodecanoic acid (PFDA)

The 2022 Rhode Island law is consistent with the MassDEP public drinking water standard regarding allowable concentrations and PFAS species. In addition to drinking water requirements, the 2022 Rhode Island law also required DEM to adopt a groundwater quality standard and a surface water action level by December 31, 2023. The Department filed new Rules and Regulations for Surface Water Quality (250-RICR-150-05-1) and Rules and Regulations for Groundwater Quality (250-RICR-150-05-3) that took effect December 28, 2023. Surface water quality action levels were developed based on a review of available existing data, including those associated with

<sup>1</sup> EPA, *EPA's Per- and Polyfluoroalkyl Substances (PFAS) Strategic Roadmap: EPA's Commitments to Action 2021-2024*, EPA-100-K-21-002, October 2021. [https://www.epa.gov/system/files/documents/2021-10/pfas-roadmap\\_final-508.pdf](https://www.epa.gov/system/files/documents/2021-10/pfas-roadmap_final-508.pdf)

known PFAS sources to establish a screening level which will be used to identify locations of elevated PFAS in surface waters and which may prompt further site investigations. Any entity regulated under the rules stated in 250-150-05-01 § 1.30(D)(1) must report to DEM when surface water samples for the sum of 8 PFAS stated in § 1.30(B)(1) exceed 70 ppt.

Although the Rhode Island Water Quality Regulations (250-RICR-150-05-1) do not include numeric criteria for PFAS, the RI Water Quality Regulations § 1.10(D)(1) for freshwater and 1.10(E)(1) for saltwater under Chemical Constituents have narrative requirements that prohibits the discharge of pollutants in concentration or combinations that could be harmful to humans or fish and wildlife for the most sensitive and governing water class use.

Since PFAS compounds are persistent in the environment and may lead to adverse human health and environmental effects, the proposed requirement for PFAS parameters in the 2024 RIPDES RGP is monitor-only.

The purpose of this monitoring and reporting requirement is to quantify potential magnitudes of PFAS from remediation, dewatering, and similar type discharges and to inform future permitting decisions. DEM is authorized to require this monitoring and reporting by CWA § 308(a), which states:

“SEC. 308. (a) Whenever required to carry out the objective of this Act, including but not limited to (1) developing or assisting in the development of any effluent limitation, or other limitation, prohibition, or effluent standard, pretreatment standard, or standard of performance under this Act; (2) determining whether any person is in violation of any such effluent limitation, or other limitation, prohibition or effluent standard, pretreatment standard, or standard of performance; (3) any requirement established under this section; or (4) carrying out sections 305, 311, 402, 404 (relating to State permit programs), 405, and 504 of this Act—

(A) the Administrator shall require the owner or operator of any point source to (i) establish and maintain such records, (ii) make such reports, (iii) install, use, and maintain such monitoring equipment or methods (including where appropriate, biological monitoring methods), (iv) sample such effluents (in accordance with such methods, at such locations, at such intervals, and in such manner as the Administrator shall prescribe), and (v) provide such other information as he may reasonably require...”

Since an EPA method for sampling and analyzing PFAS in wastewater is not currently available, the permit requires that PFAS be analyzed using EPA method 1633 until a 40 CFR Part 136 approved test method for wastewater is approved. This approach is consistent with 40 CFR § 122.44(i)(1)(iv)(B) which states that in the case of pollutants or pollutant parameters for which there are no approved methods under 40 CFR Part 136 or methods are not otherwise required under 40 CFR chapter I, subchapter N or O, monitoring shall be conducted according to a test procedure specified in the permit for such pollutants or pollutant parameters.

Part I.A.11 of the 2024 RGP requires applicants for sites and/or discharges with known or suspected PFAS contamination to test one sample of the influent as part of the application process. If any PFAS compounds are detected based on the laboratory analysis, the applicant shall install appropriate treatment for the removal of PFAS and test the treated effluent when the discharge commenced per the sampling requirements in Part II.B of the general permit. DEM may include additional conditions and/or sampling requirements in the DEM RGP Authorization.

The PFAS Analytes that are required to be evaluated during the application process and potentially treated, monitored for, and reported are listed in Attachment A of the general permit and summarized above in Table 2.

### **Parameters Not Included in the 2024 RIPDES RGP**

During the development of the RGPs, DEM considered a number of additional contaminants of concern for potential inclusion in the RGP which were not selected as indicator parameters for a number of reasons, including,

but not limited to: 1) parameter is not relevant to the discharge types covered by this general permit; 2) parameter is rarely identified in discharges from contaminated or formerly contaminated sites; 3) parameter is better controlled through an individual permit; 4) parameter is potentially present at contaminated or formerly contaminated sites, but is removed in association with removal of one or more indicator parameters; 5) parameter is not a practical or appropriate indicator parameter; or 6) other unique factors. If any discharge otherwise eligible for coverage under the RIPDES RGP contains any contaminants, including the parameters discussed below, that is not included in the 2024 RIPDES RGP, the contaminant(s) and the concentration(s) present must be disclosed in the NOI submitted to DEM as noted in Part II.A.6.b of the RIPDES RGP. Such discharges may be considered on a case-by-case basis for eligibility. However, alternate RIPDES permit coverage (e.g., individual RIPDES permit) may be necessary.

The additional parameters are primarily those listed as priority pollutants in Appendix A to 40 CFR Part 423, for which EPA establishes *National Recommended Water Quality Criteria*. DEM also considered chemicals listed on the Priority List of Hazardous Substances for the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) §104(i), as amended by the Superfund Amendments and Reauthorization Act (SARA). This is a prioritized list, ranking chemicals commonly found at sites listed on the National Priorities list (NPL); there are currently 275 substances on this list. The priority of concern is determined by considering the frequency of occurrence at NPL sites, the potential hazard to human health, and the potential for human exposure.<sup>1</sup>

The additional parameters evaluated, but excluded, generally include the following:<sup>2</sup>

- Pesticides
- Radionuclides/Isotopes
- Dioxins/Furans
- Chloroform
- Bacteria
- Other metals
- Oil and Grease
- Formaldehyde
- Asbestos

If a discharge may contain any of the contaminants listed above, or any pollutants not included in the 2024 RIPDES RGP, an applicant must disclose the contaminant and the maximum concentration present at a site in the NOI submitted to DEM for that site.

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<sup>1</sup> See 2022 Priority List of Hazardous Substances can be accessed at: <http://www.atsdr.cdc.gov/spl/>.

<sup>2</sup> For additional parameter-specific information, see Agency for Toxic Substances and Disease Registry Toxic Substances Portal available at: <http://www.atsdr.cdc.gov/substances/index.asp>.

### **Discharges of Chemicals and Additives**

The permit does not authorize the discharge of any chemical or additive, including, but not limited to: algacides/biocides, antifoams, coagulants, corrosion/scale inhibitors/coatings, disinfectants, flocculants, neutralizing agents, oxidants, oxygen scavengers, pH conditioners, surfactants and bioremedial agents, including microbes, which was not reported in the NOI submitted to DEM for a site. To request authorization to discharge chemicals and/or additives, the NOI submitted to DEM must include the an explanation which demonstrates that the addition of such chemicals: 1. Will not add any pollutants in concentrations which exceed permit effluent limitations; 2. Will not exceed any applicable water quality standard; and 3. Will not add any pollutants that would justify the application of permit conditions that are different from or absent in this permit; or 4. The permittee must disclose any pollutants different from or absent in this permit that may be present in discharges with the addition of the chemicals and/or additives. The DEM may request additional monitoring or information to provide authorization to discharge chemicals and/or additives, including but not limited to: Whole Effluent Toxicity testing.

Upon authorization to discharge, chemicals and/or additives which have been disclosed to the DEM may be discharged up to the frequency and level disclosed in the NOI, provided that such discharge does not violate any permit conditions or Rhode Island water quality standards.

### **Additional Permit Requirements**

The 2024 RIPDES RGP requires that all permittees and operators covered by this permit adhere to proper waste management practices for their facility and comply with all applicable State and Federal regulations applicable to the management of wastes. The submission of a Notice of Termination (NOT) for those discharges authorized under the RIPDES RGP does not relieve the operator or the permittee of any requirement for proper management of solid and hazardous waste generated as a result of complying with the permit.

Major storm and flood events Best Management Practices (BMPs): Consistent with EPA's 2021 MSGP, DEM has determined it is appropriate for this general permit to require operators to consider implementing enhanced controls to minimize impacts from stormwater discharges generated by major storm and flood events. Operators must identify areas of the site that are at the highest risk for stormwater impacts from major storms and floods. Operators should consider all reasonably available data and utilize various reference maps and tools, including those developed by the Federal Emergency Management Agency, National Oceanic and Atmospheric Administration, United States Geological Survey, and EPA to help determine if their site may experience an increased frequency of major storm and flood events that could impact the discharge of pollutants to Waters of the State.

To address major storm and flood events, Part II.A.10.b of the RIPDES RGP requires for operators that determine their site may be exposed to, or has previously experienced such major storm and flood events, additional control measures that must be considered include, but are not limited to: Reinforce materials storage structures to withstand flooding and additional exertion of force; prevent floating of semi-stationary structures by elevating above flood level or securing with non-corrosive device; when a delivery of exposed materials is expected, and a storm is anticipated within 48 hours, delay delivery until after the storm or store materials as appropriate (refer to emergency procedures); temporarily store materials and waste above flood level; temporarily reduce or eliminate outdoor storage; temporarily relocate any mobile vehicles and equipment to higher ground; develop scenario-based emergency procedures for major storm and flood events that are complementary to regular BMP planning and identify emergency contacts for staff and contractors; and conduct staff training for implementing your emergency procedures at regular intervals.

### **Antibacksliding and Antidegradation**

A RIPDES permit may not be renewed, reissued or modified with less stringent limitations or conditions than those contained in a previous RIPDES permit unless in compliance with the anti-backsliding requirements of the Clean Water Act (CWA) §402(o) and §303(d)(4) and 40 CFR §122.44(l)(1) and 2). Effluent limitations based on BPJ (i.e., TBELs), water quality (i.e., WQBELs), and CWA §401 certification requirements must also meet the anti-backsliding provisions found at §402(o) and §303(d)(4) of the CWA. There are a limited number of defined exceptions to this prohibition under CWA §402(o)(2). Certain less stringent effluent limitations may also be independently allowed if the relaxation is consistent with the provisions of CWA §303(d)(4).

All effluent limitations included in the 2024 RIPDES RGP: 1) are at least as stringent as limitations included in the 2019 RIPDES RGP; or 2) meet the applicable anti-backsliding statutory and regulatory provisions for a less stringent effluent limitation. Therefore, the 2024 DEM RGP complies with the anti-backsliding requirements of the CWA. Where the effluent limitation for a pollutant included in the 2024 RIPDES RGP is less stringent than the effluent limitation for that pollutant as included in the 2019 RIPDES RGP, the necessary justification under §402(o)(2) and/or §303(d)(4) of the CWA is noted in the basis for the effluent limitation for that pollutant as noted above in the 'New and Revised Pollutant Effluent Limitations and Monitor-Only Requirements in the 2024 RIPDES RGP' section of this fact sheet.

Antidegradation is intended to protect current water quality by preventing increases in the discharge of pollutants to

surface waters. This general permit will not apply to any new or increased discharge unless it can be determined that such discharges will not result in significant effects to the receiving waters. This determination shall be made in accordance with the Rhode Island Antidegradation Policy prior to issuing a general permit.

### **Record-Keeping Requirements**

The DEM is required by 40 CFR §122.41(j) to include in the general permit the requirement to retain records. Monitoring and record-keeping requirements are included in the 2024 RIPDES RGP in Part III.O (Monitoring and Records). The 2024 RIPDES RGP also identifies certain specific records (hard copy or electronic) that must be retained by the permittee for a period of at least five (5) years from the date of the sample, measurement, report or application. These include:

- Records of all monitoring including all calibration and maintenance records and all original strip chart recordings from continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit.
- Sample collection information, including the date, exact location, and time of sampling or measurements, the names of the individual(s) who performed the sampling or measurements, and the sample chain of custody for each sample;
- The analytical laboratory report, including the results, the date(s) analyses were performed, the names of the laboratory and/or individual(s) who performed the analyses, and the analytical techniques or methods used for each analysis;
- Discharge monitoring data summarized in accordance with Part II.B.4 of the general permit;
- All records of system operation and maintenance; and
- All records of treatment system inspections.

The 2024 RIPDES RGP also specifies which records must be maintained on-site (hard copy or electronic) or with the operator per Part II.B.3 of the general permit. These include:

- A complete copy of this general permit;
- A copy of DEM's authorization to discharge and any subsequent modifications, if applicable;
- Copies of any information submitted to DEM, including DMRs;
- Copies of any correspondence received from DEM regarding permit coverage; and
- Any records of monitoring instrumentation, field monitoring, and visual observations (e.g. portable organic vapor monitoring, turbidity meter, visible sheen observations);
- All records of system operation and maintenance;
- All records of treatment system inspections and employee training.

In the case where the permitted project is no longer active and there is no longer an on-site office, the records shall be maintained at the operator's business office.

DEM believes this uniform requirement enables a DEM inspector to obtain and review the information relevant to this general permit upon request and/or site inspection, in a consistent and comparable manner.

### **Monitoring and Reporting**

The enclosed RIPDES RGP contains specific conditions that must be met with regard to the frequency of sampling and inspections. The initial sampling frequency for discharges covered under this general permit is three times during the first week of discharge. If the first week's samples comply with the applicable limits, sampling for the remainder of the first month shall be once/week. If these samples all demonstrate compliance with the permit's limits, monitoring shall be twice per month. The permittee is required to monitor the effluent for each and every pollutant listed in the permit under the applicable sub-category listed in the permit, except for any pollutant for which the permittee certified in the NOI that the pollutant was "believed absent". A pollutant is "believed absent" if



it was sampled in the influent and measured as non-detect relative to the detection limits in Part II.G. A pollutant may also be “believed absent” if the pollutant has not been sampled but, there are no known sources of the pollutant in the influent and the pollutant will not be added or generated prior to discharge. If the site falls within more than one sub-category, the permittee is required to monitor for all sub-category specified pollutants, except for any pollutant for which the permittee certified in the NOI that the pollutant was “believed absent”. Certifications in the NOI that any pollutants were “believed absent”, must be based on historical sampling data demonstrating that the untreated influent concentration was below the minimum level specified in the RIPDES RGP. Regardless of certification of pollutants as “believed absent”, or not being listed in the monitoring requirements for Categories A through J as noted in Table 1 above, the DEM may provide written notice to any operator, requiring monitoring of specific parameters on a case-by-case basis. Any such notice will briefly state the reasons for the monitoring, the parameters to be monitored, frequency and period of monitoring, sample types, and reporting requirements. If the treatment system is shut down for (120) days or greater, the sampling frequency shall revert back to the initial frequency (i.e., (3) times during the first week, followed by once/week for the remainder of the first month, and then twice/month).

All samples shall be tested using the analytical methods approved under 40 CFR 136, or alternative test methods approved in accordance with the procedures in 40 CFR Part 136, unless specifically prohibited or authorized for use by DEM. All analyses of parameters under this general permit must comply with the *National Pollutant Discharge Elimination System (NPDES): Use of Sufficiently Sensitive Test Methods for Permit Applications and Reporting* rule. Only sufficiently sensitive test methods may be used for analyses of parameters under this general permit.

Sampling data must be reported and summarized on discharge monitoring reports (DMRs), which are to be submitted on a monthly basis. For discharges lasting twelve (12) months or more, monitoring results obtained during the previous calendar month shall be summarized and reported to DEM in discharge monitoring reports (DMRs) submitted electronically using the NetDMR reporting tool (<https://netdmr.epa.gov>) no later than the 15<sup>th</sup> day of the month following the completed reporting period. When the permittee submits DMRs using NetDMR, it is not required to submit hard copies of DMRs to DEM. For discharges lasting less than twelve (12) months, monitoring results obtained during the previous calendar month shall be summarized and reported on a hard copy DMR Form postmarked no later than the 15<sup>th</sup> day of the month following the completed reporting period unless the permittee opts to submit an electronic DMR. If the permittee opts to submit DMRs electronically using NetDMR, it is not required to submit hard copies to DEM. More information and links regarding electronic reporting can be found from the Rhode Island DEM, RIPDES web page, under the section entitled “ELECTRONIC REPORTING” found at: <http://www.dem.ri.gov/programs/water/permits/ripdes/reporting.php> In addition, the permit requires that all treatment systems be inspected at a minimum of twice per month to assure the system is operating efficiently. Records of these inspections must be maintained and made available to DEM upon request.

To apply for coverage under this general permit, owners and operators of discharges from groundwater treatment systems associated with the remediation waste waters must submit a Notice of Intent (NOI). An NOI cannot be submitted until after the effective date of this permit. All NOIs must be submitted to the Director by hard copy unless an electronic reporting tool becomes available during the period covered under this permit. If DEM implements an electronic reporting tool, then all NOIs shall be submitted electronically using the system that DEM implements. The NOI, which is a standardized form, must be submitted to:

RIPDES Program  
Office of Water Resources  
Rhode Island Department of Environmental Management  
235 Promenade Street  
Providence, Rhode Island 02908  
Telephone: (401) 222-4700

## **Authorization**

Authorization to discharge under the RIPDES RGP shall only be effective upon the applicant’s receipt of an

authorization page signed and certified by the Director or the Director's designee.

### **Selection of Final Permit Limits**

The effluent monitoring requirements have been specified in accordance with RIPDES regulations as well as 40 CFR 122.41(j), 122.44(l), and 122.48 to yield data representative of the discharge. The Office has determined that all permit limitations are consistent with the Rhode Island Antidegradation Policy.

The remaining general and specific conditions of the permit are based on the RIPDES regulations as well as 40 CFR Parts 122 through 125 and consisting primarily of management requirements common to all permits.

### **Comment Period, Hearing Requests, and Procedures for Final Decisions**

All persons, including applicants, who believe any condition of the draft permit is inappropriate must raise all issues and submit all available arguments and all supporting material for their arguments in full by the close of the public comment period, to the Rhode Island Department of Environmental Management, Office of Water Resources, 235 Promenade Street, Providence, Rhode Island, 02908-5767. Any person, prior to such date, may submit a request in writing for a public hearing to consider the draft permit to the Rhode Island Department of Environmental Management. Such requests shall state the nature of the issues proposed to be raised in the hearing. A public hearing may be held after at least thirty (30) days public notice whenever the Director finds that response to this notice indicates significant public interest. In reaching a final decision on the draft permit the Director will respond to all significant comments and make these responses available to the public at DEM's Providence Office.

Following the close of the comment period, and after a public hearing, if such hearing is held, the Director will issue a final permit decision and forward a copy of the final decision to the applicant and each person who has submitted written comments or requested notice. Within thirty (30) days following the notice of the final permit decision any interested person may submit a request for a formal hearing to reconsider or contest the final decision. Requests for formal hearings must satisfy the requirements of §1.50 of the Regulations for the Rhode Island Pollutant Discharge Elimination System (RI Code of Regulations; 250-RICR-150-10-1.50).

### **DEM Contact**

Additional information concerning the permit may be obtained between the hours of 8:30 a.m. and 4:00 p.m., Monday through Friday, excluding holidays from:

Aaron Mello  
Department of Environmental Management  
RIPDES Program  
235 Promenade Street  
Providence, Rhode Island 02908  
Telephone: (401) 537-4255  
Email: [aaron.mello@dem.ri.gov](mailto:aaron.mello@dem.ri.gov)

06 May 2024  
Date

Heidi Travers  
Heidi Travers, P.E.  
Environmental Engineer IV  
Department of Environmental Management

**Appendix A**

**RIDEM RIPDES Remediation General Permit Limit Development Summary Tables**

**2024 RI RGP Limits For Class AA Freshwaters**

Pollutant	Chronic (ug/l)	Limit Source	Acute (ug/l)	Limit Source
<b>1. Petroleum Related Site Remediation</b>				
<b>A. Gasoline Remediation Sites</b>				
<i>Ethanol</i>	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>Monitor Only</b>	EPA 2022 DRGP TBEL
<i>Benzene</i>	<b>4.72</b>	RI WQ	<b>5</b>	2019 RGP
<i>Toluene</i>	<b>11.2</b>	RI WQ	<b>508</b>	RI WQ
<i>Ethylbenzene</i>	<b>28.8</b>	RI WQ	<b>1280</b>	RI WQ
<i>(m,p,o) Xylenes</i>	<b>2.4</b>	RI WQ	<b>106.4</b>	RI WQ
<i>Total BTEX</i>	<b>Monitor Only</b>	2019 RGP	<b>100</b>	2019 RGP
<i>Naphthalene</i>	<b>2.08</b>	RI WQ	<b>20</b>	2019 RGP
<i>Ethylene dibromide</i>	<b>Monitor Only</b>	2019 RGP	<b>0.05</b>	2019 RGP
<i>Methyl-t-Butyl Ether (MTBE)</i>	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
<i>tert-Butyl Alcohol</i>	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
<i>tert-Amyl Methyl Ether</i>	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
<i>Total Suspended Solids</i>	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>30000</b>	EPA 2022 DRGP TBEL
<i>Total Petroleum Hydrocarbons</i>	<b>Monitor Only</b>	2019 RGP	<b>1000</b>	2019 RGP
<i>Lead (Total Recoverable)</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Iron (Total Recoverable)</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<b>B. Fuel Oils (and Other Oils) Sites</b>				
<i>Acetone</i>	<b>Monitor Only</b>	2019 RGP	<b>7970</b>	EPA 2022 DRGP TBEL
<i>Total Suspended Solids</i>	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>30000</b>	EPA 2022 DRGP TBEL
<i>Total Petroleum Hydrocarbons</i>	<b>Monitor Only</b>	2019 RGP	<b>1000</b>	2019 RGP
<i>Naphthalene</i>	<b>2.08</b>	RI WQ	<b>20</b>	2019 RGP
<i>Total Group I Polycyclic Aromatic Hydrocarbons</i>	<b>0.03</b>	RI WQ	<b>1</b>	EPA 2022 DRGP TBEL
<i>Benzo (a) Anthracene</i>	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Benzo (a) Pyrene</i>	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Benzo (b) Fluoranthene</i>	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Benzo (k) Fluoranthene</i>	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Chrysene</i>	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Dibenzo (a,h) anthracene</i>	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Indeno (1,2,3-cd) Pyrene</i>	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Total Group II Polycyclic Aromatic Hydrocarbons (PAH)</i>	<b>0.03</b>	RI WQ	<b>100</b>	2019 RGP
<i>Acenaphthene</i>	<b>1.52</b>	RI WQ	<b>1.9</b>	2019 RGP
<i>Acenaphthylene</i>	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
<i>Anthracene</i>	<b>6640</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
<i>Benzo (ghi) Perylene</i>	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
<i>Fluoranthene</i>	<b>3.52</b>	RI WQ	<b>159.2</b>	RI WQ
<i>Fluorene</i>	<b>880</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
<i>Phenanthrene</i>	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
<i>Pyrene</i>	<b>664</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
<i>Benzene</i>	<b>4.72</b>	RI WQ	<b>5</b>	2019 RGP
<i>Toluene</i>	<b>11.2</b>	RI WQ	<b>508</b>	RI WQ
<i>Ethylbenzene</i>	<b>28.8</b>	RI WQ	<b>1280</b>	RI WQ
<i>(m,p,o) Xylenes</i>	<b>2.4</b>	RI WQ	<b>106.4</b>	RI WQ
<i>Methyl-t-Butyl Ether (MTBE)</i>	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
<i>Total BTEX</i>	<b>Monitor Only</b>	2019 RGP	<b>100</b>	2019 RGP
<i>Nickel (total recoverable)</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Chromium III (trivalent, total recoverable)</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Chromium VI (hexavalent, total recoverable)</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Zinc (total recoverable)</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Iron (Total Recoverable)</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<b>C. Petroleum Sites Containing Other Pollutants</b>				
<i>Ammonia</i>	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>Monitor Only</b>	EPA 2022 DRGP TBEL
<i>Ethanol</i>	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>Monitor Only</b>	EPA 2022 DRGP TBEL
<i>Total Suspended Solids</i>	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>30000</b>	EPA 2022 DRGP TBEL
<i>Total Residual Chlorine</i>	<b>11</b>	RI WQ	<b>19</b>	RI WQ
<i>Total Petroleum Hydrocarbons</i>	<b>Monitor Only</b>	2019 RGP	<b>1000</b>	2019 RGP
<i>Cyanide</i>	<b>4.16</b>	RI WQ	<b>17.6</b>	RI WQ
<i>Benzene</i>	<b>4.72</b>	RI WQ	<b>5</b>	2019 RGP
<i>Toluene</i>	<b>11.2</b>	RI WQ	<b>508</b>	RI WQ
<i>Ethylbenzene</i>	<b>28.8</b>	RI WQ	<b>1280</b>	RI WQ
<i>(m,p,o) Xylenes</i>	<b>2.4</b>	RI WQ	<b>106.4</b>	RI WQ
<i>Total BTEX</i>	<b>Monitor Only</b>	2019 RGP	<b>100</b>	2019 RGP
<i>Ethylene dibromide</i>	<b>Monitor Only</b>	2019 RGP	<b>0.05</b>	2019 RGP
<i>Methyl-t-Butyl Ether (MTBE)</i>	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
<i>tert-Amyl Methyl Ether</i>	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
<i>Carbon Tetrachloride</i>	<b>1.84</b>	RI WQ	<b>4.4</b>	2019 RGP
<i>1,4 Dichlorobenzene</i>	<b>0.96</b>	RI WQ	<b>5</b>	2019 RGP
<i>1,2 Dichlorobenzene</i>	<b>1.44</b>	RI WQ	<b>63.2</b>	RI WQ
<i>1,3 Dichlorobenzene</i>	<b>6.96</b>	RI WQ	<b>312</b>	RI WQ

**2024 RI RGP Limits For Class AA Freshwaters**

Pollutant	Chronic (ug/l)	Limit Source	Acute (ug/l)	Limit Source
<i>Total Dichlorobenzene</i>	<b>Monitor Only</b>	2019 RGP	<b>763</b>	2019 RGP
1,1 Dichloroethane	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
1,2 Dichloroethane	<b>3.04</b>	RI WQ	<b>5</b>	2019 RGP
1,1 Dichloroethylene	<b>3.2</b>	2019 RGP	<b>3.2</b>	2019 RGP
<i>cis</i> -1,2 Dichloroethylene	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
Dichloromethane	<b>Monitor Only</b>	2019 RGP	<b>4.6</b>	2019 RGP
Tetrachloroethylene	<b>4.24</b>	RI WQ	<b>5</b>	2019 RGP
1,1,1 Trichloroethane	<b>Monitor Only</b>	2019 RGP	<b>200</b>	2019 RGP
1,1,2 Trichloroethane	<b>4.72</b>	RI WQ	<b>5</b>	2019 RGP
Trichloroethylene	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
Vinyl Chloride	<b>0.02</b>	RI WQ	<b>2</b>	2019 RGP
Acetone	<b>Monitor Only</b>	2019 RGP	<b>7970</b>	EPA 2022 DRGP TBEL
1,4 Dioxane	<b>Monitor Only</b>	2019 RGP	<b>200</b>	EPA 2022 DRGP TBEL
Total Phenols	<b>4.48</b>	RI WQ	<b>200.8</b>	RI WQ
Pentachlorophenol (PCP)	<b>0.04</b>	RI WQ	<b>0.05</b>	RI WQ
Total Phthalates	<b>3</b>	2019 RGP	<b>190</b>	EPA 2022 DRGP TBEL
Bis (2-Ethylhexyl) Phthalate	<b>6</b>	2019 RGP	<b>6</b>	2019 RGP
<i>Total Group I Polycyclic Aromatic Hydrocarbons (PAH)</i>	<b>0.03</b>	RI WQ	<b>1</b>	EPA 2022 DRGP TBEL
Benzo (a) Anthracene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Benzo (a) Pyrene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Benzo (b) Fluoranthene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Benzo (k) Fluoranthene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Chrysene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Dibenzo (a,h) anthracene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Indeno (1,2,3-cd) Pyrene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Total Group II Polycyclic Aromatic Hydrocarbons (PAH)</i>	<b>0.03</b>	RI WQ	<b>100</b>	2019 RGP
Acenaphthene	<b>1.52</b>	RI WQ	<b>1.9</b>	2019 RGP
Acenaphthylene	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
Anthracene	<b>6640</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
Benzo (ghi) Perylene	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
Fluoranthene	<b>3.52</b>	RI WQ	<b>159.2</b>	RI WQ
Fluorene	<b>880</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
Naphthalene	<b>2.08</b>	RI WQ	<b>20</b>	2019 RGP
Phenanthrene	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
Pyrene	<b>664</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
<i>Total Polychlorinated Biphenyls (PCBs)</i>	<b>0.000064</b>	2019 RGP	<b>0.000064</b>	2019 RGP
Antimony	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
Arsenic	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
Cadmium	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
Chromium III (trivalent, total recoverable)	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
Chromium VI (hexavalent, total recoverable)	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
Copper	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
Lead (Total Recoverable)	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
Mercury	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
Nickel (total recoverable)	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
Selenium	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
Silver	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
Zinc (total recoverable)	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
Iron (Total Recoverable)	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
PFAS Analytes	<b>Monitor Only</b>	BPJ	<b>Monitor Only</b>	BPJ
<b>2. Non-Petroleum (Not Gas and Oil) Site Remediation</b>				
<b>D. VOC Only Sites</b>				
Carbon Tetrachloride	<b>1.84</b>	RI WQ	<b>4.4</b>	2019 RGP
1,2 (or o) -Dichlorobenzene (DCB)	<b>1.44</b>	RI WQ	<b>63.2</b>	RI WQ
1,3 (or m) - Dichlorobenzene	<b>6.96</b>	RI WQ	<b>312</b>	RI WQ
1,4 (or p) - Dichlorobenzene	<b>0.96</b>	RI WQ	<b>5</b>	2019 RGP
Total Dichlorobenzene	<b>Monitor Only</b>	2019 RGP	<b>763</b>	2019 RGP
1,1-Dichloroethane (DCA)	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
1,2-Dichloroethane	<b>3.04</b>	RI WQ	<b>5</b>	2019 RGP
1,1 - Dichloroethylene (DCE)	<b>3.2</b>	2019 RGP	<b>3.2</b>	2019 RGP
<i>cis</i> -1,2 Dichloroethylene	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
Methylene Chloride	<b>4.6</b>	EPA RGP	<b>4.6</b>	EPA RGP
Tetrachloroethylene	<b>4.24</b>	RI WQ	<b>5</b>	2019 RGP
1,1,1 Trichloroethane	<b>Monitor Only</b>	2019 RGP	<b>200</b>	2019 RGP
1,1,2 Trichloroethane	<b>4.72</b>	RI WQ	<b>5</b>	2019 RGP
Trichloroethylene	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
Vinyl Chloride	<b>0.02</b>	RI WQ	<b>2</b>	2019 RGP
Total Petroleum Hydrocarbons	<b>Monitor Only</b>	2019 RGP	<b>1000</b>	2019 RGP
Total Phenols	<b>4.48</b>	RI WQ	<b>200.8</b>	RI WQ

2024 RI RGP Limits For Class AA Freshwaters				
Pollutant	Chronic (ug/l)	Limit Source	Acute (ug/l)	Limit Source
Pentachlorophenol (PCP)	0.04	RI WQ	0.05	RI WQ
Total Phthalates	3	2019 RGP	190	EPA 2022 DRGP TBEL
Bis (2-Ethylhexyl) Phthalate	6	2019 RGP	6	2019 RGP
Total Polychlorinated Biphenyls (PCBs)	0.000064	2019 RGP	0.000064	2019 RGP
Acetone	Monitor Only	2019 RGP	7970	EPA 2022 DRGP TBEL
Total Suspended Solids	Monitor Only	EPA 2022 DRGP TBEL	30000	EPA 2022 DRGP TBEL
1,4 Dioxane	Monitor Only	2019 RGP	200	EPA 2022 DRGP TBEL
Total BTEX	Monitor Only	2019 RGP	100	2019 RGP
Iron (Total Recoverable)	See Metals WS	See Metals WS	See Metals WS	See Metals WS
<b>E. VOC Sites Containing Other Contaminants</b>				
Ammonia	Monitor Only	EPA 2022 DRGP TBEL	Monitor Only	EPA 2022 DRGP TBEL
Ethanol	Monitor Only	EPA 2022 DRGP TBEL	Monitor Only	EPA 2022 DRGP TBEL
Total Suspended Solids	Monitor Only	EPA 2022 DRGP TBEL	30000	EPA 2022 DRGP TBEL
Total Residual Chlorine	11	RI WQ	19	RI WQ
Total Petroleum Hydrocarbons	Monitor Only	2019 RGP	1000	2019 RGP
Cyanide	4.16	RI WQ	17.6	RI WQ
Benzene	4.72	RI WQ	5	2019 RGP
Toluene	11.2	RI WQ	508	RI WQ
Ethylbenzene	28.8	RI WQ	1280	RI WQ
(m,p,o) Xylenes	2.4	RI WQ	106.4	RI WQ
Total BTEX	Monitor Only	2019 RGP	100	2019 RGP
Ethylene dibromide	Monitor Only	2019 RGP	0.05	2019 RGP
Methyl-t-Butyl Ether (MTBE)	Monitor Only	2019 RGP	70	2019 RGP
tert-Amyl Methyl Ether	Monitor Only	2019 RGP	Monitor Only	2019 RGP
Carbon Tetrachloride	1.84	RI WQ	4.4	2019 RGP
1,4 Dichlorobenzene	0.96	RI WQ	5	2019 RGP
1,2 Dichlorobenzene	1.44	RI WQ	63.2	RI WQ
1,3 Dichlorobenzene	6.96	RI WQ	312	RI WQ
Total Dichlorobenzene	Monitor Only	2019 RGP	763	2019 RGP
1,1 Dichloroethane	Monitor Only	2019 RGP	70	2019 RGP
1,2 Dichloroethane	3.04	RI WQ	5	2019 RGP
1,1 Dichloroethylene	3.2	2019 RGP	3.2	2019 RGP
cis-1,2 Dichloroethylene	Monitor Only	2019 RGP	70	2019 RGP
Dichloromethane	Monitor Only	2019 RGP	4.6	2019 RGP
Tetrachloroethylene	4.24	RI WQ	5	2019 RGP
1,1,1 Trichloroethane	Monitor Only	2019 RGP	200	2019 RGP
1,1,2 Trichloroethane	4.72	RI WQ	5	2019 RGP
Trichloroethylene	5	2019 RGP	5	2019 RGP
Vinyl Chloride	0.02	RI WQ	2	2019 RGP
Acetone	Monitor Only	2019 RGP	7970	EPA 2022 DRGP TBEL
1,4 Dioxane	Monitor Only	2019 RGP	200	EPA 2022 DRGP TBEL
Total Phenols	4.48	RI WQ	200.8	RI WQ
Pentachlorophenol (PCP)	0.04	RI WQ	0.05	RI WQ
Total Phthalates	3	2019 RGP	190	EPA 2022 DRGP TBEL
Bis (2-Ethylhexyl) Phthalate	6	2019 RGP	6	2019 RGP
Total Group I Polycyclic Aromatic Hydrocarbons	0.03	RI WQ	1	EPA 2022 DRGP TBEL
Benzo (a) Anthracene	Monitor Only	2019 RGP	0.0038	2019 RGP
Benzo (a) Pyrene	Monitor Only	2019 RGP	0.0038	2019 RGP
Benzo (b) Fluoranthene	Monitor Only	2019 RGP	0.0038	2019 RGP
Benzo (k) Fluoranthene	Monitor Only	2019 RGP	0.0038	2019 RGP
Chrysene	Monitor Only	2019 RGP	0.0038	2019 RGP
Dibenzo (a,h) anthracene	Monitor Only	2019 RGP	0.0038	2019 RGP
Indeno (1,2,3-cd) Pyrene	Monitor Only	2019 RGP	0.0038	2019 RGP
Total Group II Polycyclic Aromatic Hydrocarbons (PAH)	0.03	RI WQ	100	2019 RGP
Acenaphthene	1.52	RI WQ	1.9	2019 RGP
Acenaphthylene	Monitor Only	2019 RGP	Monitor Only	2019 RGP
Anthracene	6640	RI WQ	Monitor Only	2019 RGP
Benzo (ghi) Perylene	Monitor Only	2019 RGP	Monitor Only	2019 RGP
Fluoranthene	3.52	RI WQ	159.2	RI WQ
Fluorene	880	RI WQ	Monitor Only	2019 RGP
Napthalene	2.08	RI WQ	20	2019 RGP
Phenanthrene	Monitor Only	2019 RGP	Monitor Only	2019 RGP
Pyrene	664	2019 RGP	Monitor Only	2019 RGP
Total Polychlorinated Biphenyls (PCBs)	0.000064	2019 RGP	0.000064	2019 RGP
Antimony	See Metals WS	See Metals WS	See Metals WS	See Metals WS
Arsenic	See Metals WS	See Metals WS	See Metals WS	See Metals WS
Cadmium	See Metals WS	See Metals WS	See Metals WS	See Metals WS
Chromium III (trivalent, total recoverable)	See Metals WS	See Metals WS	See Metals WS	See Metals WS
Chromium VI (hexavalent, total recoverable)	See Metals WS	See Metals WS	See Metals WS	See Metals WS

**2024 RI RGP Limits For Class AA Freshwaters**

Pollutant	Chronic (ug/l)	Limit Source	Acute (ug/l)	Limit Source
<i>Copper</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Lead (Total Recoverable)</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Mercury</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Nickel (total recoverable)</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Selenium</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Silver</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Zinc (total recoverable)</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Iron (Total Recoverable)</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>PFAS Analytes</i>	<b>Monitor Only</b>	BPJ	<b>Monitor Only</b>	BPJ
<b>F. Sites Containing Primarily Metals</b>				
<i>Antimony</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Arsenic</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Cadmium</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Chromium III (trivalent, total recoverable)</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Chromium VI (hexavalent, total recoverable)</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Copper</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Lead (Total Recoverable)</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Mercury</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Nickel (total recoverable)</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Selenium</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Silver</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Zinc (total recoverable)</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Iron (Total Recoverable)</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Cyanide</i>	<b>4.16</b>	RI WQ	<b>17.6</b>	RI WQ
<i>Carbon Tetrachloride</i>	<b>1.84</b>	RI WQ	<b>4.4</b>	2019 RGP
<i>1,2 (or o) -Dichlorobenzene (DCB)</i>	<b>1.44</b>	RI WQ	<b>63.2</b>	RI WQ
<i>1,3 (or m) - Dichlorobenzene</i>	<b>6.96</b>	RI WQ	<b>312</b>	RI WQ
<i>1,4 (or p) - Dichlorobenzene</i>	<b>0.96</b>	RI WQ	<b>5</b>	2019 RGP
<i>Total Dichlorobenzene</i>	<b>Monitor Only</b>	2019 RGP	<b>763</b>	2019 RGP
<i>1,1 Dichloroethane</i>	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
<i>1,2 Dichloroethane</i>	<b>3.04</b>	RI WQ	<b>5</b>	2019 RGP
<i>1,1 Dichloroethylene</i>	<b>3.2</b>	2019 RGP	<b>3.2</b>	2019 RGP
<i>cis-1,2 Dichloroethylene</i>	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
<i>Methylene Chloride</i>	<b>4.6</b>	EPA RGP	<b>4.6</b>	EPA RGP
<i>Tetrachloroethylene</i>	<b>4.24</b>	RI WQ	<b>5</b>	2019 RGP
<i>1,1,1 Trichloroethane</i>	<b>Monitor Only</b>	2019 RGP	<b>200</b>	2019 RGP
<i>1,1,2 Trichloroethane</i>	<b>4.72</b>	RI WQ	<b>5</b>	2019 RGP
<i>Trichloroethylene</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
<i>Vinyl Chloride</i>	<b>0.02</b>	RI WQ	<b>2</b>	2019 RGP
<i>Total Suspended Solids</i>	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>30000</b>	EPA 2022 DRGP TBEL
<b>3.G. Contaminated Construction Dewatering</b>				
<i>Ammonia</i>	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>Monitor Only</b>	EPA 2022 DRGP TBEL
<i>Ethanol</i>	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>Monitor Only</b>	EPA 2022 DRGP TBEL
<i>Total Suspended Solids</i>	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>30000</b>	EPA 2022 DRGP TBEL
<i>Total Residual Chlorine</i>	<b>11</b>	RI WQ	<b>19</b>	RI WQ
<i>Total Petroleum Hydrocarbons</i>	<b>Monitor Only</b>	2019 RGP	<b>1000</b>	2019 RGP
<i>Cyanide</i>	<b>4.16</b>	RI WQ	<b>17.6</b>	RI WQ
<i>Benzene</i>	<b>4.72</b>	RI WQ	<b>5</b>	2019 RGP
<i>Toluene</i>	<b>11.2</b>	RI WQ	<b>508</b>	RI WQ
<i>Ethylbenzene</i>	<b>28.8</b>	RI WQ	<b>1280</b>	RI WQ
<i>(m,p,o) Xylenes</i>	<b>2.4</b>	RI WQ	<b>106.4</b>	RI WQ
<i>Total BTEX</i>	<b>Monitor Only</b>	2019 RGP	<b>100</b>	2019 RGP
<i>Ethylene dibromide</i>	<b>Monitor Only</b>	2019 RGP	<b>0.05</b>	2019 RGP
<i>Methyl-t-Butyl Ether (MTBE)</i>	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
<i>tert-Amyl Methyl Ether</i>	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
<i>Carbon Tetrachloride</i>	<b>1.84</b>	RI WQ	<b>4.4</b>	2019 RGP
<i>1,4 Dichlorobenzene</i>	<b>0.96</b>	RI WQ	<b>5</b>	2019 RGP
<i>1,2 Dichlorobenzene</i>	<b>1.44</b>	RI WQ	<b>63.2</b>	RI WQ
<i>1,3 Dichlorobenzene</i>	<b>6.96</b>	RI WQ	<b>312</b>	RI WQ
<i>Total Dichlorobenzene</i>	<b>Monitor Only</b>	2019 RGP	<b>763</b>	2019 RGP
<i>1,1 Dichloroethane</i>	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
<i>1,2 Dichloroethane</i>	<b>3.04</b>	RI WQ	<b>5</b>	2019 RGP
<i>1,1 Dichloroethylene</i>	<b>3.2</b>	2019 RGP	<b>3.2</b>	2019 RGP
<i>cis-1,2 Dichloroethylene</i>	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
<i>Dichloromethane</i>	<b>Monitor Only</b>	2019 RGP	<b>4.6</b>	2019 RGP
<i>Tetrachloroethylene</i>	<b>4.24</b>	RI WQ	<b>5</b>	2019 RGP
<i>1,1,1 Trichloroethane</i>	<b>Monitor Only</b>	2019 RGP	<b>200</b>	2019 RGP
<i>1,1,2 Trichloroethane</i>	<b>4.72</b>	RI WQ	<b>5</b>	2019 RGP
<i>Trichloroethylene</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP



**2024 RI RGP Limits For Class AA Freshwaters**

Pollutant	Chronic (ug/l)	Limit Source	Acute (ug/l)	Limit Source
Vinyl Chloride	<b>0.02</b>	RI WQ	<b>2</b>	2019 RGP
Acetone	<b>Monitor Only</b>	2019 RGP	<b>7970</b>	EPA 2022 DRGP TBEL
1,4 Dioxane	<b>Monitor Only</b>	2019 RGP	<b>200</b>	EPA 2022 DRGP TBEL
Total Phenols	<b>4.48</b>	RI WQ	<b>200.8</b>	RI WQ
Pentachlorophenol (PCP)	<b>0.04</b>	RI WQ	<b>0.05</b>	RI WQ
Total Phthalates	<b>3</b>	2019 RGP	<b>190</b>	EPA 2022 DRGP TBEL
Bis (2-Ethylhexyl) Phthalate	<b>6</b>	2019 RGP	<b>6</b>	2019 RGP
Total Group I Polycyclic Aromatic Hydrocarbons	<b>0.03</b>	RI WQ	<b>1</b>	EPA 2022 DRGP TBEL
Benzo (a) Anthracene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Benzo (a) Pyrene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Benzo (b) Fluoranthene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Benzo (k) Fluoranthene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Chrysene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Dibenzo (a,h) anthracene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Indeno (1,2,3-cd) Pyrene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Total Group II Polycyclic Aromatic Hydrocarbons (PAH)	<b>0.03</b>	RI WQ	<b>100</b>	2019 RGP
Acenaphthene	<b>1.52</b>	RI WQ	<b>1.9</b>	2019 RGP
Acenaphthylene	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
Anthracene	<b>6640</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
Benzo (ghi) Perylene	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
Fluoranthene	<b>3.52</b>	RI WQ	<b>159.2</b>	RI WQ
Fluorene	<b>880</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
Naphthalene	<b>2.08</b>	RI WQ	<b>20</b>	2019 RGP
Phenanthrene	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
Pyrene	<b>664</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
Total Polychlorinated Biphenyls (PCBs)	<b>0.000064</b>	2019 RGP	<b>0.000064</b>	2019 RGP
Antimony	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
Arsenic	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
Cadmium	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
Chromium III (trivalent, total recoverable)	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
Chromium VI (hexavalent, total recoverable)	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
Copper	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
Lead (Total Recoverable)	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
Mercury	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
Nickel (total recoverable)	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
Selenium	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
Silver	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
Zinc (total recoverable)	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
Iron (Total Recoverable)	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
PFAS Analytes	<b>Monitor Only</b>	BPJ	<b>Monitor Only</b>	BPJ
<b>4. Miscellaneous Discharges</b>				
<b>H. Pump Testing, Well Development or Rehabilitation</b>				
Ammonia	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>Monitor Only</b>	EPA 2022 DRGP TBEL
Ethanol	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>Monitor Only</b>	EPA 2022 DRGP TBEL
Total Suspended Solids	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>30000</b>	EPA 2022 DRGP TBEL
Total Residual Chlorine	<b>11</b>	RI WQ	<b>19</b>	RI WQ
Total Petroleum Hydrocarbons	<b>Monitor Only</b>	2019 RGP	<b>1000</b>	2019 RGP
Cyanide	<b>4.16</b>	RI WQ	<b>17.6</b>	RI WQ
Benzene	<b>4.72</b>	RI WQ	<b>5</b>	2019 RGP
Toluene	<b>11.2</b>	RI WQ	<b>508</b>	RI WQ
Ethylbenzene	<b>28.8</b>	RI WQ	<b>1280</b>	RI WQ
(m,p,o) Xylenes	<b>2.4</b>	RI WQ	<b>106.4</b>	RI WQ
Total BTEX	<b>Monitor Only</b>	2019 RGP	<b>100</b>	2019 RGP
Ethylene dibromide	<b>Monitor Only</b>	2019 RGP	<b>0.05</b>	2019 RGP
Methyl-t-Butyl Ether (MTBE)	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
tert-Amyl Methyl Ether	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
Carbon Tetrachloride	<b>1.84</b>	RI WQ	<b>4.4</b>	2019 RGP
1,4 Dichlorobenzene	<b>0.96</b>	RI WQ	<b>5</b>	2019 RGP
1,2 Dichlorobenzene	<b>1.44</b>	RI WQ	<b>63.2</b>	RI WQ
1,3 Dichlorobenzene	<b>6.96</b>	RI WQ	<b>312</b>	RI WQ
Total Dichlorobenzene	<b>Monitor Only</b>	2019 RGP	<b>763</b>	2019 RGP
1,1 Dichloroethane	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
1,2 Dichloroethane	<b>3.04</b>	RI WQ	<b>5</b>	2019 RGP
1,1 Dichloroethylene	<b>3.2</b>	2019 RGP	<b>3.2</b>	2019 RGP
cis-1,2 Dichloroethylene	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
Dichloromethane	<b>Monitor Only</b>	2019 RGP	<b>4.6</b>	2019 RGP
Tetrachloroethylene	<b>4.24</b>	RI WQ	<b>5</b>	2019 RGP
1,1,1 Trichloroethane	<b>Monitor Only</b>	2019 RGP	<b>200</b>	2019 RGP
1,1,2 Trichloroethane	<b>4.72</b>	RI WQ	<b>5</b>	2019 RGP



**2024 RI RGP Limits For Class AA Freshwaters**

Pollutant	Chronic (ug/l)	Limit Source	Acute (ug/l)	Limit Source
<i>Trichloroethylene</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
<i>Vinyl Chloride</i>	<b>0.02</b>	RI WQ	<b>2</b>	2019 RGP
<i>Acetone</i>	<b>Monitor Only</b>	2019 RGP	<b>7970</b>	EPA 2022 DRGP TBEL
<i>1,4 Dioxane</i>	<b>Monitor Only</b>	2019 RGP	<b>200</b>	EPA 2022 DRGP TBEL
<i>Total Phenols</i>	<b>4.48</b>	RI WQ	<b>200.8</b>	RI WQ
<i>Pentachlorophenol (PCP)</i>	<b>0.04</b>	RI WQ	<b>0.05</b>	RI WQ
<i>Total Phthalates</i>	<b>3</b>	2019 RGP	<b>190</b>	EPA 2022 DRGP TBEL
<i>Bis (2-Ethylhexyl) Phthalate</i>	<b>6</b>	2019 RGP	<b>6</b>	2019 RGP
<i>Total Group I Polycyclic Aromatic Hydrocarbons</i>	<b>0.03</b>	RI WQ	<b>1</b>	EPA 2022 DRGP TBEL
<i>Benzo (a) Anthracene</i>	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Benzo (a) Pyrene</i>	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Benzo (b) Fluoranthene</i>	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Benzo (k) Fluoranthene</i>	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Chrysene</i>	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Dibenzo (a,h) anthracene</i>	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Indeno (1,2,3-cd) Pyrene</i>	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Total Group II Polycyclic Aromatic Hydrocarbons (PAH)</i>	<b>0.03</b>	RI WQ	<b>100</b>	2019 RGP
<i>Acenaphthene</i>	<b>1.52</b>	RI WQ	<b>1.9</b>	2019 RGP
<i>Acenaphthylene</i>	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
<i>Anthracene</i>	<b>6640</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
<i>Benzo (ghi) Perylene</i>	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
<i>Fluoranthene</i>	<b>3.52</b>	RI WQ	<b>159.2</b>	RI WQ
<i>Fluorene</i>	<b>880</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
<i>Napthalene</i>	<b>2.08</b>	RI WQ	<b>20</b>	2019 RGP
<i>Phenanthrene</i>	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
<i>Pyrene</i>	<b>664</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
<i>Total Polychlorinated Biphenyls (PCBs)</i>	<b>0.000064</b>	2019 RGP	<b>0.000064</b>	2019 RGP
<i>Antimony</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Arsenic</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Cadmium</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Chromium III (trivalent, total recoverable)</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Chromium VI (hexavalent, total recoverable)</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Copper</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Lead (Total Recoverable)</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Mercury</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Nickel (total recoverable)</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Selenium</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Silver</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Zinc (total recoverable)</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Iron (Total Recoverable)</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>PFAS Analytes</i>	<b>Monitor Only</b>	BPJ	<b>Monitor Only</b>	BPJ
<b>I. Hydrostatic Testing of Pipelines and Tanks</b>				
<i>Ethanol</i>	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>Monitor Only</b>	EPA 2022 DRGP TBEL
<i>Total Suspended Solids</i>	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>30000</b>	EPA 2022 DRGP TBEL
<i>Total Residual Chlorine</i>	<b>11</b>	RI WQ	<b>19</b>	RI WQ
<i>Total Petroleum Hydrocarbons</i>	<b>Monitor Only</b>	2019 RGP	<b>1000</b>	2019 RGP
<i>Benzene</i>	<b>4.72</b>	RI WQ	<b>5</b>	2019 RGP
<i>Total BTEX</i>	<b>Monitor Only</b>	2019 RGP	<b>100</b>	2019 RGP
<i>Napthalene</i>	<b>2.08</b>	RI WQ	<b>20</b>	2019 RGP
<i>Ethylene dibromide</i>	<b>Monitor Only</b>	2019 RGP	<b>0.05</b>	2019 RGP
<i>Methyl-t-Butyl Ether (MTBE)</i>	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
<i>tert-Butyl Alcohol</i>	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
<i>tert-Amyl Methyl Ether</i>	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
<i>Total Group I Polycyclic Aromatic Hydrocarbons (PAH)</i>	<b>0.03</b>	RI WQ	<b>1</b>	EPA 2022 DRGP TBEL
<i>Bis (2-Ethylhexyl) Phthalate</i>	<b>6</b>	2019 RGP	<b>6</b>	2019 RGP
<i>Benzo (a) Anthracene</i>	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Benzo (a) Pyrene</i>	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Benzo (b) Fluoranthene</i>	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Benzo (k) Fluoranthene</i>	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Chrysene</i>	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Dibenzo (a,h) anthracene</i>	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Indeno (1,2,3-cd) Pyrene</i>	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Copper</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Lead (Total Recoverable)</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Nickel (total recoverable)</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Chromium III (trivalent, total recoverable)</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Chromium VI (hexavalent, total recoverable)</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Zinc (total recoverable)</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
<i>Iron (Total Recoverable)</i>	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS

**2024 RI RGP Limits For Class AA Freshwaters**

Pollutant	Chronic (ug/l)	Limit Source	Acute (ug/l)	Limit Source
<i>PFAS Analytes</i>	<b>Monitor Only</b>	BPJ	<b>Monitor Only</b>	BPJ
<b>J. Contaminated Sumps</b>				
Ammonia	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>Monitor Only</b>	EPA 2022 DRGP TBEL
Ethanol	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>Monitor Only</b>	EPA 2022 DRGP TBEL
Total Suspended Solids	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>30000</b>	EPA 2022 DRGP TBEL
Total Residual Chlorine	<b>11</b>	RI WQ	<b>19</b>	RI WQ
Total Petroleum Hydrocarbons	<b>Monitor Only</b>	2019 RGP	<b>1000</b>	2019 RGP
Cyanide	<b>4.16</b>	RI WQ	<b>17.6</b>	RI WQ
Benzene	<b>4.72</b>	RI WQ	<b>5</b>	2019 RGP
Toluene	<b>11.2</b>	RI WQ	<b>508</b>	RI WQ
Ethylbenzene	<b>28.8</b>	RI WQ	<b>1280</b>	RI WQ
(m,p,o) Xylenes	<b>2.4</b>	RI WQ	<b>106.4</b>	RI WQ
Total BTEX	<b>Monitor Only</b>	2019 RGP	<b>100</b>	2019 RGP
Ethylene dibromide	<b>Monitor Only</b>	2019 RGP	<b>0.05</b>	2019 RGP
Methyl-t-Butyl Ether (MTBE)	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
tert-Amyl Methyl Ether	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
Carbon Tetrachloride	<b>1.84</b>	RI WQ	<b>4.4</b>	2019 RGP
1,4 Dichlorobenzene	<b>0.96</b>	RI WQ	<b>5</b>	2019 RGP
1,2 Dichlorobenzene	<b>1.44</b>	RI WQ	<b>63.2</b>	RI WQ
1,3 Dichlorobenzene	<b>6.96</b>	RI WQ	<b>312</b>	RI WQ
Total Dichlorobenzene	<b>Monitor Only</b>	2019 RGP	<b>763</b>	2019 RGP
1,1 Dichloroethane	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
1,2 Dichloroethane	<b>3.04</b>	RI WQ	<b>5</b>	2019 RGP
1,1 Dichloroethylene	<b>3.2</b>	2019 RGP	<b>3.2</b>	2019 RGP
cis-1,2 Dichloroethylene	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
Dichloromethane	<b>Monitor Only</b>	2019 RGP	<b>4.6</b>	2019 RGP
Tetrachloroethylene	<b>4.24</b>	RI WQ	<b>5</b>	2019 RGP
1,1,1 Trichloroethane	<b>Monitor Only</b>	2019 RGP	<b>200</b>	2019 RGP
1,1,2 Trichloroethane	<b>4.72</b>	RI WQ	<b>5</b>	2019 RGP
Trichloroethylene	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
Vinyl Chloride	<b>0.02</b>	RI WQ	<b>2</b>	2019 RGP
Acetone	<b>Monitor Only</b>	2019 RGP	<b>7970</b>	EPA 2022 DRGP TBEL
1,4 Dioxane	<b>Monitor Only</b>	2019 RGP	<b>200</b>	EPA 2022 DRGP TBEL
Total Phenols	<b>4.48</b>	RI WQ	<b>200.8</b>	RI WQ
Pentachlorophenol (PCP)	<b>0.04</b>	RI WQ	<b>0.05</b>	RI WQ
Total Phthalates	<b>3</b>	2019 RGP	<b>190</b>	EPA 2022 DRGP TBEL
Bis (2-Ethylhexyl) Phthalate	<b>6</b>	2019 RGP	<b>6</b>	2019 RGP
Polycyclic Aromatic Hydrocarbons (PAH)	<b>0.03</b>	RI WQ	<b>1</b>	EPA 2022 DRGP TBEL
Benzo (a) Anthracene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Benzo (a) Pyrene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Benzo (b) Fluoranthene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Benzo (k) Fluoranthene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Chrysene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Dibenzo (a,h) anthracene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Indeno (1,2,3-cd) Pyrene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Polycyclic Aromatic Hydrocarbons (PAH)	<b>0.03</b>	RI WQ	<b>100</b>	2019 RGP
Acenaphthene	<b>1.52</b>	RI WQ	<b>1.9</b>	2019 RGP
Acenaphthylene	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
Anthracene	<b>6640</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
Benzo (ghi) Perylene	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
Fluoranthene	<b>3.52</b>	RI WQ	<b>159.2</b>	RI WQ
Fluorene	<b>880</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
Naphthalene	<b>2.08</b>	RI WQ	<b>20</b>	2019 RGP
Phenanthrene	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
Pyrene	<b>664</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
Total Polychlorinated Biphenyls (PCBs)	<b>0.000064</b>	2019 RGP	<b>0.000064</b>	2019 RGP
Antimony	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
Arsenic	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
Cadmium	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
Chromium III (trivalent, total recoverable)	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
Chromium VI (hexavalent, total recoverable)	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
Copper	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
Lead (Total Recoverable)	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
Mercury	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
Nickel (total recoverable)	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
Selenium	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
Silver	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
Zinc (total recoverable)	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS
Iron (Total Recoverable)	<b>See Metals WS</b>	See Metals WS	<b>See Metals WS</b>	See Metals WS

**2024 RI RGP Limits For Class AA Freshwaters**

Pollutant	Chronic (ug/l)	Limit Source	Acute (ug/l)	Limit Source
<i>PFAS Analytes</i>	<b>Monitor Only</b>	BPJ	<b>Monitor Only</b>	BPJ

**2024 RI RGP Limits for Non Class AA Freshwaters**

Pollutant	Chronic (ug/l)	Limit Source	Acute (ug/l)	Limit Source
<b>1. Petroleum Related Site Remediation</b>				
<b>A. Gasoline Remediation Sites</b>				
Ethanol	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>Monitor Only</b>	EPA 2022 DRGP TBEL
Benzene	<b>4.72</b>	RI WQ	<b>5</b>	2019 RGP
Toluene	<b>11.2</b>	RI WQ	<b>508</b>	RI WQ
Ethylbenzene	<b>28.8</b>	RI WQ	<b>1280</b>	RI WQ
(m,p,o) Xylenes	<b>2.4</b>	RI WQ	<b>106.4</b>	RI WQ
Total BTEX	<b>Monitor Only</b>	2019 RGP	<b>100</b>	2019 RGP
Naphthalene	<b>2.08</b>	RI WQ	<b>20</b>	2019 RGP
Ethylene dibromide	<b>Monitor Only</b>	2019 RGP	<b>0.05</b>	2019 RGP
Methyl-t-Butyl Ether (MTBE)	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
tert-Butyl Alcohol	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
tert-Amyl Methyl Ether	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
Total Suspended Solids	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>30000</b>	EPA 2022 DRGP TBEL
Total Petroleum Hydrocarbons	<b>Monitor Only</b>	2019 RGP	<b>1000</b>	2019 RGP
Lead (Total Recoverable)	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
Iron (Total Recoverable)	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
<b>B. Fuel Oils (and Other Oils) Sites</b>				
Acetone	<b>Monitor Only</b>	2019 RGP	<b>7970</b>	EPA 2022 DRGP TBEL
Total Suspended Solids	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>30000</b>	EPA 2022 DRGP TBEL
Total Petroleum Hydrocarbons	<b>Monitor Only</b>	2019 RGP	<b>1000</b>	2019 RGP
Naphthalene	<b>2.08</b>	RI WQ	<b>20</b>	2019 RGP
Total Group I Polycyclic Aromatic Hydrocarbons	<b>0.14</b>	RI WQ	<b>1</b>	EPA 2022 DRGP TBEL
Benzo (a) Anthracene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Benzo (a) Pyrene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Benzo (b) Fluoranthene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Benzo (k) Fluoranthene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Chrysene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Dibenzo (a,h) anthracene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Indeno (1,2,3-cd) Pyrene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Total Group II Polycyclic Aromatic Hydrocarbons (PAH)	<b>0.14</b>	RI WQ	<b>100</b>	2019 RGP
Acenaphthene	<b>1.52</b>	RI WQ	<b>1.9</b>	2019 RGP
Acenaphthylene	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
Anthracene	<b>32000</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
Benzo (ghi) Perylene	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
Fluoranthene	<b>3.52</b>	RI WQ	<b>159.2</b>	RI WQ
Fluorene	<b>4240</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
Phenanthrene	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
Pyrene	<b>3200</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
Benzene	<b>4.72</b>	RI WQ	<b>5</b>	2019 RGP
Toluene	<b>11.2</b>	RI WQ	<b>508</b>	RI WQ
Ethylbenzene	<b>28.8</b>	RI WQ	<b>1280</b>	RI WQ
(m,p,o) Xylenes	<b>2.4</b>	RI WQ	<b>106.4</b>	RI WQ
Total BTEX	<b>Monitor Only</b>	2019 RGP	<b>100</b>	2019 RGP
Methyl-t-Butyl Ether (MTBE)	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
Nickel (total recoverable)	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
Chromium III (trivalent, total recoverable)	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
Chromium VI (hexavalent, total recoverable)	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
Zinc (total recoverable)	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
Iron (Total Recoverable)	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
<b>C. Petroleum Sites Containing Other Pollutants</b>				
Ammonia	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>Monitor Only</b>	EPA 2022 DRGP TBEL
Ethanol	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>Monitor Only</b>	EPA 2022 DRGP TBEL
Total Suspended Solids	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>30000</b>	EPA 2022 DRGP TBEL
Total Residual Chlorine	<b>11</b>	RI WQ	<b>19</b>	RI WQ
Total Petroleum Hydrocarbons	<b>Monitor Only</b>	2019 RGP	<b>1000</b>	2019 RGP
Cyanide	<b>4.16</b>	RI WQ	<b>17.6</b>	RI WQ
Benzene	<b>4.72</b>	RI WQ	<b>5</b>	2019 RGP
Toluene	<b>11.2</b>	RI WQ	<b>508</b>	RI WQ
Ethylbenzene	<b>28.8</b>	RI WQ	<b>1280</b>	RI WQ
(m,p,o) Xylenes	<b>2.4</b>	RI WQ	<b>106.4</b>	RI WQ
Total BTEX	<b>Monitor Only</b>	2019 RGP	<b>100</b>	2019 RGP
Ethylene dibromide	<b>Monitor Only</b>	2019 RGP	<b>0.05</b>	2019 RGP
Methyl-t-Butyl Ether (MTBE)	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
tert-Amyl Methyl Ether	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
Carbon Tetrachloride	<b>4.4</b>	2019 RGP	<b>4.4</b>	2019 RGP
1,4 Dichlorobenzene	<b>0.96</b>	RI WQ	<b>5</b>	2019 RGP
1,2 Dichlorobenzene	<b>1.44</b>	RI WQ	<b>63.2</b>	RI WQ
1,3 Dichlorobenzene	<b>6.96</b>	RI WQ	<b>312</b>	RI WQ
Total Dichlorobenzene	<b>Monitor Only</b>	2019 RGP	<b>763</b>	2019 RGP
1,1 Dichloroethane	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
1,2 Dichloroethane	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
1,1 Dichloroethylene	<b>3.2</b>	2019 RGP	<b>3.2</b>	2019 RGP
cis-1,2 Dichloroethylene	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP

**2024 RI RGP Limits for Non Class AA Freshwaters**

Pollutant	Chronic (ug/l)	Limit Source	Acute (ug/l)	Limit Source
<i>Dichloromethane</i>	<b>Monitor Only</b>	2019 RGP	<b>4.6</b>	2019 RGP
<i>Tetrachloroethylene</i>	<b>4.24</b>	RI WQ	<b>5</b>	2019 RGP
<i>1,1,1 Trichloroethane</i>	<b>Monitor Only</b>	2019 RGP	<b>200</b>	2019 RGP
<i>1,1,2 Trichloroethane</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
<i>Trichloroethylene</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
<i>Vinyl Chloride</i>	<b>1.92</b>	RI WQ	<b>2</b>	2019 RGP
<i>Acetone</i>	<b>Monitor Only</b>	2019 RGP	<b>7970</b>	EPA 2022 DRGP TBEL
<i>1,4 Dioxane</i>	<b>Monitor Only</b>	2019 RGP	<b>200</b>	EPA 2022 DRGP TBEL
<i>Total Phenols</i>	<b>4.48</b>	RI WQ	<b>200.8</b>	RI WQ
<i>Pentachlorophenol (PCP)</i>	<b>0.04</b>	RI WQ	<b>0.05</b>	RI WQ
<i>Total Phthalates</i>	<b>3</b>	2019 RGP	<b>190</b>	EPA 2022 DRGP TBEL
<i>Bis (2-Ethylhexyl) Phthalate</i>	<b>6</b>	2019 RGP	<b>6</b>	2019 RGP
<i>Total Group I Polycyclic Aromatic Hydrocarbons (PAH)</i>	<b>0.14</b>	RI WQ	<b>1</b>	EPA 2022 DRGP TBEL
<i>Benzo (a) Anthracene</i>	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Benzo (a) Pyrene</i>	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Benzo (b) Fluoranthene</i>	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Benzo (k) Fluoranthene</i>	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Chrysene</i>	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Dibenzo (a,h) anthracene</i>	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Indeno (1,2,3-cd) Pyrene</i>	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Total Group II Polycyclic Aromatic Hydrocarbons (PAH)</i>	<b>0.14</b>	RI WQ	<b>100</b>	2019 RGP
<i>Acenaphthene</i>	<b>1.52</b>	RI WQ	<b>1.9</b>	2019 RGP
<i>Acenaphthylene</i>	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
<i>Anthracene</i>	<b>32000</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
<i>Benzo (ghi) Perylene</i>	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
<i>Fluoranthene</i>	<b>3.52</b>	RI WQ	<b>159.2</b>	RI WQ
<i>Fluorene</i>	<b>4240</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
<i>Napthalene</i>	<b>2.08</b>	RI WQ	<b>20</b>	2019 RGP
<i>Phenanthrene</i>	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
<i>Pyrene</i>	<b>3200</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
<i>Total Polychlorinated Biphenyls (PCBs)</i>	<b>0.000064</b>	ANTIDEG	<b>0.000064</b>	2019 RGP
<i>Antimony</i>	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
<i>Arsenic</i>	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
<i>Cadmium</i>	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
<i>Chromium III (trivalent, total recoverable)</i>	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
<i>Chromium VI (hexavalent, total recoverable)</i>	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
<i>Copper</i>	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
<i>Lead (Total Recoverable)</i>	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
<i>Mercury</i>	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
<i>Nickel (total recoverable)</i>	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
<i>Selenium</i>	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
<i>Silver</i>	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
<i>Zinc (total recoverable)</i>	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
<i>Iron (Total Recoverable)</i>	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
<i>PFAS Analytes</i>	<b>Monitor Only</b>	BPJ	<b>Monitor Only</b>	BPJ
<b>2. Non-Petroleum (Not Gas and Oil) Site Remediation</b>				
<b>D. VOC Only Sites</b>				
<i>Carbon Tetrachloride</i>	<b>4.4</b>	2019 RGP	<b>4.4</b>	2019 RGP
<i>1,2 (or o) -Dichlorobenzene (DCB)</i>	<b>1.44</b>	RI WQ	<b>63.2</b>	RI WQ
<i>1,3 (or m) - Dichlorobenzene</i>	<b>6.96</b>	RI WQ	<b>312</b>	RI WQ
<i>1,4 (or p) - Dichlorobenzene</i>	<b>0.96</b>	RI WQ	<b>5</b>	2019 RGP
<i>Total Dichlorobenzene</i>	<b>Monitor Only</b>	2019 RGP	<b>763</b>	2019 RGP
<i>1,1-Dichloroethane (DCA)</i>	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
<i>1,2-Dichloroethane</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
<i>1,1 - Dichloroethylene (DCE)</i>	<b>3.2</b>	2019 RGP	<b>3.2</b>	2019 RGP
<i>cis-1,2 Dichloroethylene</i>	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
<i>Methylene Chloride</i>	<b>4.6</b>	RI BPJ	<b>4.6</b>	RI BPJ
<i>Tetrachloroethylene</i>	<b>4.24</b>	RI WQ	<b>5</b>	2019 RGP
<i>1,1,1 Trichloroethane</i>	<b>Monitor Only</b>	2019 RGP	<b>200</b>	2019 RGP
<i>1,1,2 Trichloroethane</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
<i>Trichloroethylene</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
<i>Vinyl Chloride</i>	<b>1.92</b>	RI WQ	<b>2</b>	2019 RGP
<i>Total Petroleum Hydrocarbons</i>	<b>Monitor Only</b>	2019 RGP	<b>1000</b>	2019 RGP
<i>Total Phenols</i>	<b>4.48</b>	RI WQ	<b>200.8</b>	RI WQ
<i>Pentachlorophenol (PCP)</i>	<b>0.04</b>	RI WQ	<b>0.05</b>	RI WQ
<i>Total Phthalates</i>	<b>3</b>	2019 RGP	<b>190</b>	EPA 2022 DRGP TBEL
<i>Bis (2-Ethylhexyl) Phthalate</i>	<b>6</b>	2019 RGP	<b>6</b>	2019 RGP
<i>Total Polychlorinated Biphenyls (PCBs)</i>	<b>0.000064</b>	ANTIDEG	<b>0.000064</b>	2019 RGP
<i>Acetone</i>	<b>Monitor Only</b>	2019 RGP	<b>7970</b>	EPA 2022 DRGP TBEL
<i>1,4 Dioxane</i>	<b>Monitor Only</b>	2019 RGP	<b>200</b>	EPA 2022 DRGP TBEL
<i>Total Suspended Solids</i>	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>30000</b>	EPA 2022 DRGP TBEL
<i>Total BTEX</i>	<b>Monitor Only</b>	2019 RGP	<b>100</b>	2019 RGP
<i>Iron (Total Recoverable)</i>	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
<b>E. VOC Sites Containing Other Contaminants</b>				

**2024 RI RGP Limits for Non Class AA Freshwaters**

Pollutant	Chronic (ug/l)	Limit Source	Acute (ug/l)	Limit Source
<i>Ammonia</i>	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>Monitor Only</b>	EPA 2022 DRGP TBEL
<i>Ethanol</i>	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>Monitor Only</b>	EPA 2022 DRGP TBEL
<i>Total Suspended Solids</i>	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>30000</b>	EPA 2022 DRGP TBEL
<i>Total Residual Chlorine</i>	<b>11</b>	RI WQ	<b>19</b>	RI WQ
<i>Total Petroleum Hydrocarbons</i>	<b>Monitor Only</b>	2019 RGP	<b>1000</b>	2019 RGP
<i>Cyanide</i>	<b>4.16</b>	RI WQ	<b>17.6</b>	RI WQ
<i>Benzene</i>	<b>4.72</b>	RI WQ	<b>5</b>	2019 RGP
<i>Toluene</i>	<b>11.2</b>	RI WQ	<b>508</b>	RI WQ
<i>Ethylbenzene</i>	<b>28.8</b>	RI WQ	<b>1280</b>	RI WQ
<i>(m,p,o) Xylenes</i>	<b>2.4</b>	RI WQ	<b>106.4</b>	RI WQ
<i>Total BTEX</i>	<b>Monitor Only</b>	2019 RGP	<b>100</b>	2019 RGP
<i>Ethylene dibromide</i>	<b>Monitor Only</b>	2019 RGP	<b>0.05</b>	2019 RGP
<i>Methyl-t-Butyl Ether (MTBE)</i>	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
<i>tert-Amyl Methyl Ether</i>	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
<i>Carbon Tetrachloride</i>	<b>4.4</b>	2019 RGP	<b>4.4</b>	2019 RGP
<i>1,4 Dichlorobenzene</i>	<b>0.96</b>	RI WQ	<b>5</b>	2019 RGP
<i>1,2 Dichlorobenzene</i>	<b>1.44</b>	RI WQ	<b>63.2</b>	RI WQ
<i>1,3 Dichlorobenzene</i>	<b>6.96</b>	RI WQ	<b>312</b>	RI WQ
<i>Total Dichlorobenzene</i>	<b>Monitor Only</b>	2019 RGP	<b>763</b>	2019 RGP
<i>1,1 Dichloroethane</i>	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
<i>1,2 Dichloroethane</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
<i>1,1 Dichloroethylene</i>	<b>3.2</b>	2019 RGP	<b>3.2</b>	2019 RGP
<i>cis-1,2 Dichloroethylene</i>	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
<i>Dichloromethane</i>	<b>Monitor Only</b>	2019 RGP	<b>4.6</b>	2019 RGP
<i>Tetrachloroethylene</i>	<b>4.24</b>	RI WQ	<b>5</b>	2019 RGP
<i>1,1,1 Trichloroethane</i>	<b>Monitor Only</b>	2019 RGP	<b>200</b>	2019 RGP
<i>1,1,2 Trichloroethane</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
<i>Trichloroethylene</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
<i>Vinyl Chloride</i>	<b>1.92</b>	RI WQ	<b>2</b>	2019 RGP
<i>Acetone</i>	<b>Monitor Only</b>	2019 RGP	<b>7970</b>	EPA 2022 DRGP TBEL
<i>1,4 Dioxane</i>	<b>Monitor Only</b>	2019 RGP	<b>200</b>	EPA 2022 DRGP TBEL
<i>Total Phenols</i>	<b>4.48</b>	RI WQ	<b>200.8</b>	RI WQ
<i>Pentachlorophenol (PCP)</i>	<b>0.04</b>	RI WQ	<b>0.05</b>	RI WQ
<i>Total Phthalates</i>	<b>3</b>	2019 RGP	<b>190</b>	EPA 2022 DRGP TBEL
<i>Bis (2-Ethylhexyl) Phthalate</i>	<b>6</b>	2019 RGP	<b>6</b>	2019 RGP
<i>Total Group I Polycyclic Aromatic Hydrocarbons</i>	<b>0.14</b>	RI WQ	<b>1</b>	EPA 2022 DRGP TBEL
<i>Benzo (a) Anthracene</i>	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Benzo (a) Pyrene</i>	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Benzo (b) Fluoranthene</i>	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Benzo (k) Fluoranthene</i>	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Chrysene</i>	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Dibenzo (a,h) anthracene</i>	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Indeno (1,2,3-cd) Pyrene</i>	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Total Group II Polycyclic Aromatic Hydrocarbons (PAH)</i>	<b>0.14</b>	RI WQ	<b>100</b>	2019 RGP
<i>Acenaphthene</i>	<b>1.52</b>	RI WQ	<b>1.9</b>	2019 RGP
<i>Acenaphthylene</i>	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
<i>Anthracene</i>	<b>32000</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
<i>Benzo (ghi) Perylene</i>	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
<i>Fluoranthene</i>	<b>3.52</b>	RI WQ	<b>159.2</b>	RI WQ
<i>Fluorene</i>	<b>4240</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
<i>Napthalene</i>	<b>2.08</b>	RI WQ	<b>20</b>	2019 RGP
<i>Phenanthrene</i>	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
<i>Pyrene</i>	<b>3200</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
<i>Total Polychlorinated Biphenyls (PCBs)</i>	<b>0.000064</b>	ANTIDEG	<b>0.000064</b>	2019 RGP
<i>Antimony</i>	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
<i>Arsenic</i>	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
<i>Cadmium</i>	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
<i>Chromium III (trivalent, total recoverable)</i>	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
<i>Chromium VI (hexavalent, total recoverable)</i>	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
<i>Copper</i>	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
<i>Lead (Total Recoverable)</i>	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
<i>Mercury</i>	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
<i>Nickel (total recoverable)</i>	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
<i>Selenium</i>	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
<i>Silver</i>	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
<i>Zinc (total recoverable)</i>	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
<i>Iron (Total Recoverable)</i>	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
<i>PFAS Analytes</i>	<b>Monitor Only</b>	BPJ	<b>Monitor Only</b>	BPJ
<b>F. Sites Containing Primarily Metals</b>				
<i>Antimony</i>	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
<i>Arsenic</i>	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
<i>Cadmium</i>	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
<i>Chromium III (trivalent, total recoverable)</i>	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
<i>Chromium VI (hexavalent, total recoverable)</i>	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS

**2024 RI RGP Limits for Non Class AA Freshwaters**

Pollutant	Chronic (ug/l)	Limit Source	Acute (ug/l)	Limit Source
Copper	See Metals Worksheet	See Metals WS	See Metals Worksheet	See Metals WS
Lead (Total Recoverable)	See Metals Worksheet	See Metals WS	See Metals Worksheet	See Metals WS
Mercury	See Metals Worksheet	See Metals WS	See Metals Worksheet	See Metals WS
Nickel (total recoverable)	See Metals Worksheet	See Metals WS	See Metals Worksheet	See Metals WS
Selenium	See Metals Worksheet	See Metals WS	See Metals Worksheet	See Metals WS
Silver	See Metals Worksheet	See Metals WS	See Metals Worksheet	See Metals WS
Zinc (total recoverable)	See Metals Worksheet	See Metals WS	See Metals Worksheet	See Metals WS
Iron (Total Recoverable)	See Metals Worksheet	See Metals WS	See Metals Worksheet	See Metals WS
Cyanide	4.16	RI WQ	17.6	RI WQ
Carbon Tetrachloride	4.4	2019 RGP	4.4	2019 RGP
1,2 (or o) -Dichlorobenzene (DCB)	1.44	RI WQ	63.2	RI WQ
1,3 (or m) - Dichlorobenzene	6.96	RI WQ	312	RI WQ
1,4 (or p) - Dichlorobenzene	0.96	RI WQ	5	2019 RGP
Total Dichlorobenzene	Monitor Only	2019 RGP	763	2019 RGP
1,1 Dichloroethane	Monitor Only	2019 RGP	70	2019 RGP
1,2 Dichloroethane	5	2019 RGP	5	2019 RGP
1,1 Dichloroethylene	3.2	2019 RGP	3.2	2019 RGP
cis-1,2 Dichloroethylene	Monitor Only	2019 RGP	70	2019 RGP
Methylene Chloride	4.6	RI BPJ	4.6	RI BPJ
Tetrachloroethylene	4.24	RI WQ	5	2019 RGP
1,1,1 Trichloroethane	Monitor Only	2019 RGP	200	2019 RGP
1,1,2 Trichloroethane	5	2019 RGP	5	2019 RGP
Trichloroethylene	5	2019 RGP	5	2019 RGP
Vinyl Chloride	1.92	RI WQ	2	2019 RGP
Total Suspended Solids	Monitor Only	EPA 2022 DRGP TBEL	30000	EPA 2022 DRGP TBEL
<b>3.G. Contaminated Construction Dewatering</b>				
Ammonia	Monitor Only	EPA 2022 DRGP TBEL	Monitor Only	EPA 2022 DRGP TBEL
Ethanol	Monitor Only	EPA 2022 DRGP TBEL	Monitor Only	EPA 2022 DRGP TBEL
Total Suspended Solids	Monitor Only	EPA 2022 DRGP TBEL	30000	EPA 2022 DRGP TBEL
Total Residual Chlorine	11	RI WQ	19	RI WQ
Total Petroleum Hydrocarbons	Monitor Only	2019 RGP	1000	2019 RGP
Cyanide	4.16	RI WQ	17.6	RI WQ
Benzene	4.72	RI WQ	5	2019 RGP
Toluene	11.2	RI WQ	508	RI WQ
Ethylbenzene	28.8	RI WQ	1280	RI WQ
(m,p,o) Xylenes	2.4	RI WQ	106.4	RI WQ
Total BTEX	Monitor Only	2019 RGP	100	2019 RGP
Ethylene dibromide	Monitor Only	2019 RGP	0.05	2019 RGP
Methyl-t-Butyl Ether (MTBE)	Monitor Only	2019 RGP	70	2019 RGP
tert-Amyl Methyl Ether	Monitor Only	2019 RGP	Monitor Only	2019 RGP
Carbon Tetrachloride	4.4	2019 RGP	4.4	2019 RGP
1,4 Dichlorobenzene	0.96	RI WQ	5	2019 RGP
1,2 Dichlorobenzene	1.44	RI WQ	63.2	RI WQ
1,3 Dichlorobenzene	6.96	RI WQ	312	RI WQ
Total Dichlorobenzene	Monitor Only	2019 RGP	763	2019 RGP
1,1 Dichloroethane	Monitor Only	2019 RGP	70	2019 RGP
1,2 Dichloroethane	5	2019 RGP	5	2019 RGP
1,1 Dichloroethylene	3.2	2019 RGP	3.2	2019 RGP
cis-1,2 Dichloroethylene	Monitor Only	2019 RGP	70	2019 RGP
Dichloromethane	Monitor Only	2019 RGP	4.6	2019 RGP
Tetrachloroethylene	4.24	RI WQ	5	2019 RGP
1,1,1 Trichloroethane	Monitor Only	2019 RGP	200	2019 RGP
1,1,2 Trichloroethane	5	2019 RGP	5	2019 RGP
Trichloroethylene	5	2019 RGP	5	2019 RGP
Vinyl Chloride	1.92	RI WQ	2	2019 RGP
Acetone	Monitor Only	2019 RGP	7970	EPA 2022 DRGP TBEL
1,4 Dioxane	Monitor Only	2019 RGP	200	EPA 2022 DRGP TBEL
Total Phenols	4.48	RI WQ	200.8	RI WQ
Pentachlorophenol (PCP)	0.04	RI WQ	0.05	RI WQ
Total Phthalates	3	2019 RGP	190	EPA 2022 DRGP TBEL
Bis (2-Ethylhexyl) Phthalate	6	2019 RGP	6	2019 RGP
Total Group I Polycyclic Aromatic Hydrocarbons	0.14	RI WQ	1	EPA 2022 DRGP TBEL
Benzo (a) Anthracene	Monitor Only	2019 RGP	0.0038	2019 RGP
Benzo (a) Pyrene	Monitor Only	2019 RGP	0.0038	2019 RGP
Benzo (b) Fluoranthene	Monitor Only	2019 RGP	0.0038	2019 RGP
Benzo (k) Fluoranthene	Monitor Only	2019 RGP	0.0038	2019 RGP
Chrysene	Monitor Only	2019 RGP	0.0038	2019 RGP
Dibenzo (a,h) anthracene	Monitor Only	2019 RGP	0.0038	2019 RGP
Indeno (1,2,3-cd) Pyrene	Monitor Only	2019 RGP	0.0038	2019 RGP
Total Group II Polycyclic Aromatic Hydrocarbons (PAH)	0.14	RI WQ	100	2019 RGP
Acenaphthene	1.52	RI WQ	1.9	2019 RGP
Acenaphthylene	Monitor Only	2019 RGP	Monitor Only	2019 RGP
Anthracene	32000	RI WQ	Monitor Only	2019 RGP
Benzo (ghi) Perylene	Monitor Only	2019 RGP	Monitor Only	2019 RGP

**2024 RI RGP Limits for Non Class AA Freshwaters**

Pollutant	Chronic (ug/l)	Limit Source	Acute (ug/l)	Limit Source
Fluoranthene	3.52	RI WQ	159.2	RI WQ
Fluorene	4240	RI WQ	Monitor Only	2019 RGP
Napthalene	2.08	RI WQ	20	2019 RGP
Phenanthrene	Monitor Only	2019 RGP	Monitor Only	2019 RGP
Pyrene	3200	RI WQ	Monitor Only	2019 RGP
Total Polychlorinated Biphenyls (PCBs)	0.000064	ANTIDEG	0.000064	2019 RGP
Antimony	See Metals Worksheet	See Metals WS	See Metals Worksheet	See Metals WS
Arsenic	See Metals Worksheet	See Metals WS	See Metals Worksheet	See Metals WS
Cadmium	See Metals Worksheet	See Metals WS	See Metals Worksheet	See Metals WS
Chromium III (trivalent, total recoverable)	See Metals Worksheet	See Metals WS	See Metals Worksheet	See Metals WS
Chromium VI (hexavalent, total recoverable)	See Metals Worksheet	See Metals WS	See Metals Worksheet	See Metals WS
Copper	See Metals Worksheet	See Metals WS	See Metals Worksheet	See Metals WS
Lead (Total Recoverable)	See Metals Worksheet	See Metals WS	See Metals Worksheet	See Metals WS
Mercury	See Metals Worksheet	See Metals WS	See Metals Worksheet	See Metals WS
Nickel (total recoverable)	See Metals Worksheet	See Metals WS	See Metals Worksheet	See Metals WS
Selenium	See Metals Worksheet	See Metals WS	See Metals Worksheet	See Metals WS
Silver	See Metals Worksheet	See Metals WS	See Metals Worksheet	See Metals WS
Zinc (total recoverable)	See Metals Worksheet	See Metals WS	See Metals Worksheet	See Metals WS
Iron (Total Recoverable)	See Metals Worksheet	See Metals WS	See Metals Worksheet	See Metals WS
PFAS Analytes	Monitor Only	BPJ	Monitor Only	BPJ
<b>4. Miscellaneous Discharges</b>				
<b>H. Pump Testing, Well Development or Rehabilitation</b>				
Ammonia	Monitor Only	EPA 2022 DRGP TBEL	Monitor Only	EPA 2022 DRGP TBEL
Ethanol	Monitor Only	EPA 2022 DRGP TBEL	Monitor Only	EPA 2022 DRGP TBEL
Total Suspended Solids	Monitor Only	EPA 2022 DRGP TBEL	30000	EPA 2022 DRGP TBEL
Total Residual Chlorine	11	RI WQ	19	RI WQ
Total Petroleum Hydrocarbons	Monitor Only	2019 RGP	1000	2019 RGP
Cyanide	4.16	RI WQ	17.6	RI WQ
Benzene	4.72	RI WQ	5	2019 RGP
Toluene	11.2	RI WQ	508	RI WQ
Ethylbenzene	28.8	RI WQ	1280	RI WQ
(m,p,o) Xylenes	2.4	RI WQ	106.4	RI WQ
Total BTEX	Monitor Only	2019 RGP	100	2019 RGP
Ethylene dibromide	Monitor Only	2019 RGP	0.05	2019 RGP
Methyl-t-Butyl Ether (MTBE)	Monitor Only	2019 RGP	70	2019 RGP
tert-Amyl Methyl Ether	Monitor Only	2019 RGP	Monitor Only	2019 RGP
Carbon Tetrachloride	4.4	2019 RGP	4.4	2019 RGP
1,4 Dichlorobenzene	0.96	RI WQ	5	2019 RGP
1,2 Dichlorobenzene	1.44	RI WQ	63.2	RI WQ
1,3 Dichlorobenzene	6.96	RI WQ	312	RI WQ
Total Dichlorobenzene	Monitor Only	2019 RGP	763	2019 RGP
1,1 Dichloroethane	Monitor Only	2019 RGP	70	2019 RGP
1,2 Dichloroethane	5	2019 RGP	5	2019 RGP
1,1 Dichloroethylene	3.2	2019 RGP	3.2	2019 RGP
cis-1,2 Dichloroethylene	Monitor Only	2019 RGP	70	2019 RGP
Dichloromethane	Monitor Only	2019 RGP	4.6	2019 RGP
Tetrachloroethylene	4.24	RI WQ	5	2019 RGP
1,1,1 Trichloroethane	Monitor Only	2019 RGP	200	2019 RGP
1,1,2 Trichloroethane	5	2019 RGP	5	2019 RGP
Trichloroethylene	5	2019 RGP	5	2019 RGP
Vinyl Chloride	1.92	RI WQ	2	2019 RGP
Acetone	Monitor Only	2019 RGP	7970	EPA 2022 DRGP TBEL
1,4 Dioxane	Monitor Only	2019 RGP	200	EPA 2022 DRGP TBEL
Total Phenols	4.48	RI WQ	200.8	RI WQ
Pentachlorophenol (PCP)	0.04	RI WQ	0.05	RI WQ
Total Phthalates	3	2019 RGP	190	EPA 2022 DRGP TBEL
Bis (2-Ethylhexyl) Phthalate	6	2019 RGP	6	2019 RGP
Total Group I Polycyclic Aromatic Hydrocarbons	0.14	RI WQ	1	EPA 2022 DRGP TBEL
Benzo (a) Anthracene	Monitor Only	2019 RGP	0.0038	2019 RGP
Benzo (a) Pyrene	Monitor Only	2019 RGP	0.0038	2019 RGP
Benzo (b) Fluoranthene	Monitor Only	2019 RGP	0.0038	2019 RGP
Benzo (k) Fluoranthene	Monitor Only	2019 RGP	0.0038	2019 RGP
Chrysene	Monitor Only	2019 RGP	0.0038	2019 RGP
Dibenzo (a,h) anthracene	Monitor Only	2019 RGP	0.0038	2019 RGP
Indeno (1,2,3-cd) Pyrene	Monitor Only	2019 RGP	0.0038	2019 RGP
Total Group II Polycyclic Aromatic Hydrocarbons (PAH)	0.14	RI WQ	100	2019 RGP
Acenaphthene	1.52	RI WQ	1.9	2019 RGP
Acenaphthylene	Monitor Only	2019 RGP	Monitor Only	2019 RGP
Anthracene	32000	RI WQ	Monitor Only	2019 RGP
Benzo (ghi) Perylene	Monitor Only	2019 RGP	Monitor Only	2019 RGP
Fluoranthene	3.52	RI WQ	159.2	RI WQ
Fluorene	4240	RI WQ	Monitor Only	2019 RGP
Napthalene	2.08	RI WQ	20	2019 RGP
Phenanthrene	Monitor Only	2019 RGP	Monitor Only	2019 RGP



**2024 RI RGP Limits for Non Class AA Freshwaters**

Pollutant	Chronic (ug/l)	Limit Source	Acute (ug/l)	Limit Source
Pyrene	<b>3200</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
Total Polychlorinated Biphenyls (PCBs)	<b>0.000064</b>	ANTIDEG	<b>0.000064</b>	2019 RGP
Antimony	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
Arsenic	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
Cadmium	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
Chromium III (trivalent, total recoverable)	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
Chromium VI (hexavalent, total recoverable)	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
Copper	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
Lead (Total Recoverable)	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
Mercury	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
Nickel (total recoverable)	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
Selenium	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
Silver	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
Zinc (total recoverable)	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
Iron (Total Recoverable)	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
PFAS Analytes	<b>Monitor Only</b>	BPJ	<b>Monitor Only</b>	BPJ
<b>I. Hydrostatic Testing of Pipelines and Tanks</b>				
Ethanol	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>Monitor Only</b>	EPA 2022 DRGP TBEL
Total Suspended Solids	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>30000</b>	EPA 2022 DRGP TBEL
Total Residual Chlorine	<b>11</b>	RI WQ	<b>19</b>	RI WQ
Total Petroleum Hydrocarbons	<b>Monitor Only</b>	2019 RGP	<b>1000</b>	2019 RGP
Benzene	<b>4.72</b>	RI WQ	<b>5</b>	2019 RGP
Total BTEX	<b>Monitor Only</b>	2019 RGP	<b>100</b>	2019 RGP
Napthalene	<b>2.08</b>	RI WQ	<b>20</b>	2019 RGP
Ethylene dibromide	<b>Monitor Only</b>	2019 RGP	<b>0.05</b>	2019 RGP
Methyl-t-Butyl Ether (MTBE)	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
tert-Butyl Alcohol	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
tert-Amyl Methyl Ether	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
Total Group I Polycyclic Aromatic Hydrocarbons (PAH)	<b>0.14</b>	RI WQ	<b>1</b>	EPA 2022 DRGP TBEL
Bis (2-Ethylhexyl) Phthalate	<b>6</b>	2019 RGP	<b>6</b>	2019 RGP
Benzo (a) Anthracene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Benzo (a) Pyrene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Benzo (b) Fluoranthene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Benzo (k) Fluoranthene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Chrysene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Dibenzo (a,h) anthracene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Indeno (1,2,3-cd) Pyrene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Copper	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
Lead (Total Recoverable)	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
Nickel (total recoverable)	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
Chromium III (trivalent, total recoverable)	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
Chromium VI (hexavalent, total recoverable)	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
Zinc (total recoverable)	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
Iron (Total Recoverable)	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
PFAS Analytes	<b>Monitor Only</b>	BPJ	<b>Monitor Only</b>	BPJ
<b>J. Contaminated Sumps</b>				
Ammonia	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>Monitor Only</b>	EPA 2022 DRGP TBEL
Ethanol	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>Monitor Only</b>	EPA 2022 DRGP TBEL
Total Suspended Solids	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>30000</b>	EPA 2022 DRGP TBEL
Total Residual Chlorine	<b>11</b>	RI WQ	<b>19</b>	RI WQ
Total Petroleum Hydrocarbons	<b>Monitor Only</b>	2019 RGP	<b>1000</b>	2019 RGP
Cyanide	<b>4.16</b>	RI WQ	<b>17.6</b>	RI WQ
Benzene	<b>4.72</b>	RI WQ	<b>5</b>	2019 RGP
Toluene	<b>11.2</b>	RI WQ	<b>508</b>	RI WQ
Ethylbenzene	<b>28.8</b>	RI WQ	<b>1280</b>	RI WQ
(m,p,o) Xylenes	<b>2.4</b>	RI WQ	<b>106.4</b>	RI WQ
Total BTEX	<b>Monitor Only</b>	2019 RGP	<b>100</b>	2019 RGP
Ethylene dibromide	<b>Monitor Only</b>	2019 RGP	<b>0.05</b>	2019 RGP
Methyl-t-Butyl Ether (MTBE)	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
tert-Amyl Methyl Ether	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
Carbon Tetrachloride	<b>4.4</b>	2019 RGP	<b>4.4</b>	2019 RGP
1,4 Dichlorobenzene	<b>0.96</b>	RI WQ	<b>5</b>	2019 RGP
1,2 Dichlorobenzene	<b>1.44</b>	RI WQ	<b>63.2</b>	RI WQ
1,3 Dichlorobenzene	<b>6.96</b>	RI WQ	<b>312</b>	RI WQ
Total Dichlorobenzene	<b>Monitor Only</b>	2019 RGP	<b>763</b>	2019 RGP
1,1 Dichloroethane	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
1,2 Dichloroethane	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
1,1 Dichloroethylene	<b>3.2</b>	2019 RGP	<b>3.2</b>	2019 RGP
cis-1,2 Dichloroethylene	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
Dichloromethane	<b>Monitor Only</b>	2019 RGP	<b>4.6</b>	2019 RGP
Tetrachloroethylene	<b>4.24</b>	RI WQ	<b>5</b>	2019 RGP
1,1,1 Trichloroethane	<b>Monitor Only</b>	2019 RGP	<b>200</b>	2019 RGP
1,1,2 Trichloroethane	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
Trichloroethylene	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP

**2024 RI RGP Limits for Non Class AA Freshwaters**

Pollutant	Chronic (ug/l)	Limit Source	Acute (ug/l)	Limit Source
Vinyl Chloride	<b>1.92</b>	RI WQ	<b>2</b>	2019 RGP
Acetone	<b>Monitor Only</b>	2019 RGP	<b>7970</b>	EPA 2022 DRGP TBEL
1,4 Dioxane	<b>Monitor Only</b>	2019 RGP	<b>200</b>	EPA 2022 DRGP TBEL
Total Phenols	<b>4.48</b>	RI WQ	<b>200.8</b>	RI WQ
Pentachlorophenol (PCP)	<b>0.04</b>	RI WQ	<b>0.05</b>	RI WQ
Total Phthalates	<b>3</b>	2019 RGP	<b>190</b>	EPA 2022 DRGP TBEL
Bis (2-Ethylhexyl) Phthalate	<b>6</b>	2019 RGP	<b>6</b>	2019 RGP
Polycyclic Aromatic Hydrocarbons (PAH)	<b>0.14</b>	RI WQ	<b>1</b>	EPA 2022 DRGP TBEL
Benzo (a) Anthracene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Benzo (a) Pyrene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Benzo (b) Fluoranthene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Benzo (k) Fluoranthene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Chrysene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Dibenzo (a,h) anthracene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Indeno (1,2,3-cd) Pyrene	<b>Monitor Only</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Polycyclic Aromatic Hydrocarbons (PAH)	<b>0.14</b>	RI WQ	<b>100</b>	2019 RGP
Acenaphthene	<b>1.52</b>	RI WQ	<b>1.9</b>	2019 RGP
Acenaphthylene	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
Anthracene	<b>32000</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
Benzo (ghi) Perylene	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
Fluoranthene	<b>3.52</b>	RI WQ	<b>159.2</b>	RI WQ
Fluorene	<b>4240</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
Napthalene	<b>2.08</b>	RI WQ	<b>20</b>	2019 RGP
Phenanthrene	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
Pyrene	<b>3200</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
Total Polychlorinated Biphenyls (PCBs)	<b>0.000064</b>	ANTIDEG	<b>0.000064</b>	2019 RGP
Antimony	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
Arsenic	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
Cadmium	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
Chromium III (trivalent, total recoverable)	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
Chromium VI (hexavalent, total recoverable)	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
Copper	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
Lead (Total Recoverable)	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
Mercury	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
Nickel (total recoverable)	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
Selenium	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
Silver	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
Zinc (total recoverable)	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
Iron (Total Recoverable)	<b>See Metals Worksheet</b>	See Metals WS	<b>See Metals Worksheet</b>	See Metals WS
PFAS Analytes	<b>Monitor Only</b>	BPJ	<b>Monitor Only</b>	BPJ

2024 RI RGP Limits for Saltwater				
Pollutant	Chronic (ug/l)	Limit Source	Acute (ug/l)	Limit Source
<b>1. Petroleum Related Site Remediation</b>				
<b>A. Gasoline Remediation Sites</b>				
Ethanol	Monitor Only	EPA 2022 DRGP TBEL	Monitor Only	EPA 2022 DRGP TBEL
Benzene	5	2019 RGP	5	2019 RGP
Toluene	12000	RI WQ	Monitor Only	2019 RGP
Ethylbenzene	1680	RI WQ	Monitor Only	2019 RGP
(m,p,o) Xylenes	Monitor Only	2019 RGP	Monitor Only	2019 RGP
Total BTEX	100	2019 RGP	100	2019 RGP
Naphthalene	Monitor Only	2019 RGP	20	2019 RGP
Ethylene dibromide	Monitor Only	2019 RGP	0.05	2019 RGP
Methyl-t-Butyl Ether (MTBE)	Monitor Only	2019 RGP	70	2019 RGP
tert-Butyl Alcohol	Monitor Only	2019 RGP	Monitor Only	2019 RGP
tert-Amyl Methyl Ether	Monitor Only	2019 RGP	Monitor Only	2019 RGP
Total Suspended Solids	Monitor Only	EPA 2022 DRGP TBEL	30000	EPA 2022 DRGP TBEL
Total Petroleum Hydrocarbons	Monitor Only	2019 RGP	1000	2019 RGP
Lead (Total Recoverable)	6.81	RI WQ	160	EPA 2022 DRGP TBEL
Iron (Total Recoverable)	Monitor Only	RI WQ	1000	2019 RGP
<b>B. Fuel Oils (and Other Oils) Sites</b>				
Acetone	Monitor Only	2019 RGP	7970	EPA 2022 DRGP TBEL
Total Suspended Solids	Monitor Only	EPA 2022 DRGP TBEL	30000	EPA 2022 DRGP TBEL
Total Petroleum Hydrocarbons	Monitor Only	2019 RGP	1000	2019 RGP
Naphthalene	Monitor Only	2019 RGP	20	2019 RGP
Total Group I Polycyclic Aromatic Hydrocarbons	0.14	RI WQ	1	EPA 2022 DRGP TBEL
Benzo (a) Anthracene	0.0038	2019 RGP	0.0038	2019 RGP
Benzo (a) Pyrene	0.0038	2019 RGP	0.0038	2019 RGP
Benzo (b) Fluoranthene	0.0038	2019 RGP	0.0038	2019 RGP
Benzo (k) Fluoranthene	0.0038	2019 RGP	0.0038	2019 RGP
Chrysene	0.0038	2019 RGP	0.0038	2019 RGP
Dibenzo (a,h) anthracene	0.0038	2019 RGP	0.0038	2019 RGP
Indeno (1,2,3-cd) Pyrene	0.0038	2019 RGP	0.0038	2019 RGP
Total Group II Polycyclic Aromatic Hydrocarbons	0.14	RI WQ	100	2019 RGP
Acenaphthene	1.9	2019 RGP	1.9	2019 RGP
Acenaphthylene	Monitor Only	2019 RGP	Monitor Only	2019 RGP
Anthracene	32000	RI WQ	Monitor Only	2019 RGP
Benzo (ghi) Perylene	Monitor Only	2019 RGP	Monitor Only	2019 RGP
Fluoranthene	112	RI WQ	Monitor Only	2019 RGP
Fluorene	4240	RI WQ	Monitor Only	2019 RGP
Phenanthrene	Monitor Only	2019 RGP	Monitor Only	2019 RGP
Pyrene	3200	RI WQ	Monitor Only	2019 RGP
Benzene	5	2019 RGP	5	2019 RGP
Toluene	12000	RI WQ	Monitor Only	2019 RGP
Ethylbenzene	1680	RI WQ	Monitor Only	2019 RGP
(m,p,o) Xylenes	Monitor Only	2019 RGP	Monitor Only	2019 RGP
Total BTEX	100	2019 RGP	100	2019 RGP
Methyl-t-Butyl Ether (MTBE)	Monitor Only	2019 RGP	70	2019 RGP
Nickel (total recoverable)	6.62	RI WQ	59.79	RI WQ
Chromium III (trivalent, total recoverable)	100	2019 RGP	323	EPA 2022 DRGP TBEL
Chromium VI (hexavalent, total recoverable)	40.28	RI WQ	323	EPA 2022 DRGP TBEL
Zinc (total recoverable)	68.5	RI WQ	76.11	RI WQ
Iron (Total Recoverable)	Monitor Only	RI WQ	1000	2019 RGP
<b>C. Petroleum Sites Containing Other Pollutants</b>				
Ammonia	Monitor Only	EPA 2022 DRGP TBEL	Monitor Only	EPA 2022 DRGP TBEL
Ethanol	Monitor Only	EPA 2022 DRGP TBEL	Monitor Only	EPA 2022 DRGP TBEL
Total Suspended Solids	Monitor Only	EPA 2022 DRGP TBEL	30000	EPA 2022 DRGP TBEL
Total Residual Chlorine	7.5	RI WQ	13	RI WQ
Total Petroleum Hydrocarbons	Monitor Only	2019 RGP	1000	2019 RGP
Cyanide	0.8	RI WQ	0.8	RI WQ
Benzene	5	2019 RGP	5	2019 RGP
Toluene	12000	RI WQ	Monitor Only	2019 RGP
Ethylbenzene	1680	RI WQ	Monitor Only	2019 RGP
(m,p,o) Xylenes	Monitor Only	2019 RGP	Monitor Only	2019 RGP
Total BTEX	100	2019 RGP	100	2019 RGP
Ethylene dibromide	Monitor Only	2019 RGP	0.05	2019 RGP
Methyl-t-Butyl Ether (MTBE)	Monitor Only	2019 RGP	70	2019 RGP
tert-Amyl Methyl Ether	Monitor Only	2019 RGP	Monitor Only	2019 RGP
Carbon Tetrachloride	4.4	2019 RGP	4.4	2019 RGP
1,4 Dichlorobenzene	5	2019 RGP	5	2019 RGP
1,2 Dichlorobenzene	600	2019 RGP	600	2019 RGP
1,3 Dichlorobenzene	320	2019 RGP	320	2019 RGP
Total Dichlorobenzene	Monitor Only	2019 RGP	763	2019 RGP
1,1 Dichloroethane	Monitor Only	2019 RGP	70	2019 RGP
1,2 Dichloroethane	5	2019 RGP	5	2019 RGP
1,1 Dichloroethylene	3.2	2019 RGP	3.2	2019 RGP
cis-1,2 Dichloroethylene	Monitor Only	2019 RGP	70	2019 RGP

2024 RI RGP Limits for Saltwater				
Pollutant	Chronic (ug/l)	Limit Source	Acute (ug/l)	Limit Source
<i>Dichloromethane</i>	<b>Monitor Only</b>	2019 RGP	<b>4.6</b>	2019 RGP
<i>Tetrachloroethylene</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
<i>1,1,1 Trichloroethane</i>	<b>Monitor Only</b>	2019 RGP	<b>200</b>	2019 RGP
<i>1,1,2 Trichloroethane</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
<i>Trichloroethylene</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
<i>Vinyl Chloride</i>	<b>1.92</b>	RI WQ	<b>2</b>	2019 RGP
<i>Acetone</i>	<b>Monitor Only</b>	2019 RGP	<b>7970</b>	EPA 2022 DRGP TBEL
<i>1,4 Dioxane</i>	<b>Monitor Only</b>	2019 RGP	<b>200</b>	EPA 2022 DRGP TBEL
<i>Total Phenols</i>	<b>300</b>	RI WQ	<b>300</b>	2019 RGP
<i>Pentachlorophenol (PCP)</i>	<b>1</b>	2019 RGP	<b>1</b>	2019 RGP
<i>Total Phthalates</i>	<b>3</b>	2019 RGP	<b>190</b>	EPA 2022 DRGP TBEL
<i>Bis (2-Ethylhexyl) Phthalate</i>	<b>6</b>	2019 RGP	<b>6</b>	2019 RGP
<i>Total Group I Polycyclic Aromatic Hydrocarbons (PAH)</i>	<b>0.14</b>	RI WQ	<b>1</b>	EPA 2022 DRGP TBEL
<i>Benzo (a) Anthracene</i>	<b>0.0038</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Benzo (a) Pyrene</i>	<b>0.0038</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Benzo (b) Fluoranthene</i>	<b>0.0038</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Benzo (k) Fluoranthene</i>	<b>0.0038</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Chrysene</i>	<b>0.0038</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Dibenzo (a,h) anthracene</i>	<b>0.0038</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Indeno (1,2,3-cd) Pyrene</i>	<b>0.0038</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Total Group II Polycyclic Aromatic Hydrocarbons (PAH)</i>	<b>0.14</b>	RI WQ	<b>100</b>	2019 RGP
<i>Acenaphthene</i>	<b>1.9</b>	2019 RGP	<b>1.9</b>	2019 RGP
<i>Acenaphthylene</i>	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
<i>Anthracene</i>	<b>32000</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
<i>Benzo (ghi) Perylene</i>	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
<i>Fluoranthene</i>	<b>112</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
<i>Fluorene</i>	<b>4240</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
<i>Naphthalene</i>	<b>Monitor Only</b>	2019 RGP	<b>20</b>	2019 RGP
<i>Phenanthrene</i>	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
<i>Pyrene</i>	<b>3200</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
<i>Total Polychlorinated Biphenyls (PCBs)</i>	<b>0.000064</b>	2019 RGP	<b>0.000064</b>	2019 RGP
<i>Antimony</i>	<b>5.6</b>	2019 RGP	<b>5.6</b>	2019 RGP
<i>Arsenic</i>	<b>1.12</b>	RI WQ	<b>55.2</b>	RI WQ
<i>Cadmium</i>	<b>7.08</b>	RI WQ	<b>10.2</b>	EPA 2022 DRGP TBEL
<i>Chromium III (trivalent, total recoverable)</i>	<b>100</b>	2019 RGP	<b>323</b>	EPA 2022 DRGP TBEL
<i>Chromium VI (hexavalent, total recoverable)</i>	<b>40.28</b>	RI WQ	<b>323</b>	EPA 2022 DRGP TBEL
<i>Copper</i>	<b>2.98</b>	RI WQ	<b>4.62</b>	RI WQ
<i>Lead (Total Recoverable)</i>	<b>6.81</b>	RI WQ	<b>160</b>	EPA 2022 DRGP TBEL
<i>Mercury</i>	<b>0.12</b>	RI WQ	<b>1.69</b>	RI WQ
<i>Nickel (total recoverable)</i>	<b>6.62</b>	RI WQ	<b>59.79</b>	RI WQ
<i>Selenium</i>	<b>56.91</b>	RI WQ	<b>232.46</b>	RI WQ
<i>Silver</i>	<b>1.78</b>	2019 RGP	<b>1.78</b>	RI WQ
<i>Zinc (total recoverable)</i>	<b>68.5</b>	RI WQ	<b>76.11</b>	RI WQ
<i>Iron (Total Recoverable)</i>	<b>Monitor Only</b>	RI WQ	<b>1000</b>	2019 RGP
<i>PFAS Analytes</i>	<b>Monitor Only</b>	BPJ	<b>Monitor Only</b>	BPJ
<b>2. Non-Petroleum (Not Gas and Oil) Site Remediation</b>				
<b>D. VOC Only Sites</b>				
<i>Carbon Tetrachloride</i>	<b>4.4</b>	2019 RGP	<b>4.4</b>	2019 RGP
<i>1,2 (or o) -Dichlorobenzene (DCB)</i>	<b>600</b>	2019 RGP	<b>600</b>	2019 RGP
<i>1,3 (or m) - Dichlorobenzene</i>	<b>320</b>	2019 RGP	<b>320</b>	2019 RGP
<i>1,4 (or p) -Dichlorobenzene</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
<i>Total Dichlorobenzene</i>	<b>Monitor Only</b>	2019 RGP	<b>763</b>	2019 RGP
<i>1,1-Dichloroethane (DCA)</i>	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
<i>1,2-Dichloroethane</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
<i>1,1 - Dichloroethylene (DCE)</i>	<b>3.2</b>	2019 RGP	<b>3.2</b>	2019 RGP
<i>cis-1,2 Dichloroethylene</i>	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
<i>Methylene Chloride</i>	<b>4.6</b>	2019 RGP	<b>4.6</b>	2019 RGP
<i>Tetrachloroethylene</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
<i>1,1,1 Trichloroethane</i>	<b>Monitor Only</b>	2019 RGP	<b>200</b>	2019 RGP
<i>1,1,2 Trichloroethane</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
<i>Trichloroethylene</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
<i>Vinyl Chloride</i>	<b>1.92</b>	RI WQ	<b>2</b>	2019 RGP
<i>Total Petroleum Hydrocarbons</i>	<b>Monitor Only</b>	2019 RGP	<b>1000</b>	2019 RGP
<i>Total Phenols</i>	<b>300</b>	RI WQ	<b>300</b>	2019 RGP
<i>Pentachlorophenol (PCP)</i>	<b>1</b>	2019 RGP	<b>1</b>	2019 RGP
<i>Total Phthalates</i>	<b>3</b>	2019 RGP	<b>190</b>	EPA 2022 DRGP TBEL
<i>Bis (2-Ethylhexyl) Phthalate</i>	<b>6</b>	2019 RGP	<b>6</b>	2019 RGP
<i>Total Polychlorinated Biphenyls (PCBs)</i>	<b>0.000064</b>	2019 RGP	<b>0.000064</b>	2019 RGP
<i>Acetone</i>	<b>Monitor Only</b>	2019 RGP	<b>7970</b>	EPA 2022 DRGP TBEL
<i>Total Suspended Solids</i>	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>30000</b>	EPA 2022 DRGP TBEL
<i>1,4 Dioxane</i>	<b>Monitor Only</b>	2019 RGP	<b>200</b>	EPA 2022 DRGP TBEL
<i>Total BTEX</i>	<b>100</b>	2019 RGP	<b>100</b>	2019 RGP
<i>Iron (Total Recoverable)</i>	<b>Monitor Only</b>	RI WQ	<b>1000</b>	2019 RGP
<b>E. VOC Sites Containing Other Contaminants</b>				
<i>Ammonia</i>	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>Monitor Only</b>	EPA 2022 DRGP TBEL

2024 RI RGP Limits for Saltwater				
Pollutant	Chronic (ug/l)	Limit Source	Acute (ug/l)	Limit Source
Ethanol	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>Monitor Only</b>	EPA 2022 DRGP TBEL
Total Suspended Solids	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>30000</b>	EPA 2022 DRGP TBEL
Total Residual Chlorine	<b>7.5</b>	RI WQ	<b>13</b>	RI WQ
Total Petroleum Hydrocarbons	<b>Monitor Only</b>	2019 RGP	<b>1000</b>	2019 RGP
Cyanide	<b>0.8</b>	RI WQ	<b>0.8</b>	RI WQ
Benzene	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
Toluene	<b>12000</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
Ethylbenzene	<b>1680</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
(m,p,o) Xylenes	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
Total BTEX	<b>100</b>	2019 RGP	<b>100</b>	2019 RGP
Ethylene dibromide	<b>Monitor Only</b>	2019 RGP	<b>0.05</b>	2019 RGP
Methyl-t-Butyl Ether (MTBE)	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
tert-Amyl Methyl Ether	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
Carbon Tetrachloride	<b>4.4</b>	2019 RGP	<b>4.4</b>	2019 RGP
1,4 Dichlorobenzene	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
1,2 Dichlorobenzene	<b>600</b>	2019 RGP	<b>600</b>	2019 RGP
1,3 Dichlorobenzene	<b>320</b>	2019 RGP	<b>320</b>	2019 RGP
Total Dichlorobenzene	<b>Monitor Only</b>	2019 RGP	<b>763</b>	2019 RGP
1,1 Dichloroethane	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
1,2 Dichloroethane	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
1,1 Dichloroethylene	<b>3.2</b>	2019 RGP	<b>3.2</b>	2019 RGP
cis-1,2 Dichloroethylene	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
Dichloromethane	<b>Monitor Only</b>	2019 RGP	<b>4.6</b>	2019 RGP
Tetrachloroethylene	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
1,1,1 Trichloroethane	<b>Monitor Only</b>	2019 RGP	<b>200</b>	2019 RGP
1,1,2 Trichloroethane	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
Trichloroethylene	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
Vinyl Chloride	<b>1.92</b>	RI WQ	<b>2</b>	2019 RGP
Acetone	<b>Monitor Only</b>	2019 RGP	<b>7970</b>	EPA 2022 DRGP TBEL
1,4 Dioxane	<b>Monitor Only</b>	2019 RGP	<b>200</b>	EPA 2022 DRGP TBEL
Total Phenols	<b>300</b>	RI WQ	<b>300</b>	2019 RGP
Pentachlorophenol (PCP)	<b>1</b>	2019 RGP	<b>1</b>	2019 RGP
Total Phthalates	<b>3</b>	2019 RGP	<b>190</b>	EPA 2022 DRGP TBEL
Bis (2-Ethylhexyl) Phthalate	<b>6</b>	2019 RGP	<b>6</b>	2019 RGP
Total Group I Polycyclic Aromatic Hydrocarbons	<b>0.14</b>	RI WQ	<b>1</b>	EPA 2022 DRGP TBEL
Benzo (a) Anthracene	<b>0.0038</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Benzo (a) Pyrene	<b>0.0038</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Benzo (b) Fluoranthene	<b>0.0038</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Benzo (k) Fluoranthene	<b>0.0038</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Chrysene	<b>0.0038</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Dibenzo (a,h) anthracene	<b>0.0038</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Indeno (1,2,3-cd) Pyrene	<b>0.0038</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Total Group II Polycyclic Aromatic Hydrocarbons (PAH)	<b>0.14</b>	RI WQ	<b>100</b>	2019 RGP
Acenaphthene	<b>1.9</b>	2019 RGP	<b>1.9</b>	2019 RGP
Acenaphthylene	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
Anthracene	<b>32000</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
Benzo (ghi) Perylene	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
Fluoranthene	<b>112</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
Fluorene	<b>4240</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
Naphthalene	<b>Monitor Only</b>	2019 RGP	<b>20</b>	2019 RGP
Phenanthrene	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
Pyrene	<b>3200</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
Total Polychlorinated Biphenyls (PCBs)	<b>0.000064</b>	2019 RGP	<b>0.000064</b>	2019 RGP
Antimony	<b>5.6</b>	2019 RGP	<b>5.6</b>	2019 RGP
Arsenic	<b>1.12</b>	RI WQ	<b>55.2</b>	RI WQ
Cadmium	<b>7.08</b>	RI WQ	<b>10.2</b>	EPA 2022 DRGP TBEL
Chromium III (trivalent, total recoverable)	<b>100</b>	2019 RGP	<b>323</b>	EPA 2022 DRGP TBEL
Chromium VI (hexavalent, total recoverable)	<b>40.28</b>	RI WQ	<b>323</b>	EPA 2022 DRGP TBEL
Copper	<b>2.98</b>	RI WQ	<b>4.62</b>	RI WQ
Lead (Total Recoverable)	<b>6.81</b>	RI WQ	<b>160</b>	EPA 2022 DRGP TBEL
Mercury	<b>0.12</b>	RI WQ	<b>1.69</b>	RI WQ
Nickel (total recoverable)	<b>6.62</b>	RI WQ	<b>59.79</b>	RI WQ
Selenium	<b>56.91</b>	RI WQ	<b>232.46</b>	RI WQ
Silver	<b>1.78</b>	2019 RGP	<b>1.78</b>	RI WQ
Zinc (total recoverable)	<b>68.5</b>	RI WQ	<b>76.11</b>	RI WQ
Iron (Total Recoverable)	<b>Monitor Only</b>	RI WQ	<b>1000</b>	2019 RGP
PFAS Analytes	<b>Monitor Only</b>	BPJ	<b>Monitor Only</b>	BPJ
<b>F. Sites Containing Primarily Metals</b>				
Antimony	<b>5.6</b>	2019 RGP	<b>5.6</b>	2019 RGP
Arsenic	<b>1.12</b>	RI WQ	<b>55.2</b>	RI WQ
Cadmium	<b>7.08</b>	RI WQ	<b>10.2</b>	EPA 2022 DRGP TBEL
Chromium III (trivalent, total recoverable)	<b>100</b>	2019 RGP	<b>323</b>	EPA 2022 DRGP TBEL
Chromium VI (hexavalent, total recoverable)	<b>40.28</b>	RI WQ	<b>323</b>	EPA 2022 DRGP TBEL
Copper	<b>2.98</b>	RI WQ	<b>4.62</b>	RI WQ

2024 RI RGP Limits for Saltwater				
Pollutant	Chronic (ug/l)	Limit Source	Acute (ug/l)	Limit Source
<i>Lead (Total Recoverable)</i>	<b>6.81</b>	RI WQ	<b>160</b>	EPA 2022 DRGP TBEL
<i>Mercury</i>	<b>0.12</b>	RI WQ	<b>1.69</b>	RI WQ
<i>Nickel (total recoverable)</i>	<b>6.62</b>	RI WQ	<b>59.79</b>	RI WQ
<i>Selenium</i>	<b>56.91</b>	RI WQ	<b>232.46</b>	RI WQ
<i>Silver</i>	<b>1.78</b>	2019 RGP	<b>1.78</b>	RI WQ
<i>Zinc (total recoverable)</i>	<b>68.5</b>	RI WQ	<b>76.11</b>	RI WQ
<i>Iron (Total Recoverable)</i>	<b>Monitor Only</b>	RI WQ	<b>1000</b>	2019 RGP
<i>Cyanide</i>	<b>0.8</b>	RI WQ	<b>0.8</b>	RI WQ
<i>Carbon Tetrachloride</i>	<b>4.4</b>	2019 RGP	<b>4.4</b>	2019 RGP
<i>1,2 (or o) -Dichlorobenzene (DCB)</i>	<b>600</b>	2019 RGP	<b>600</b>	2019 RGP
<i>1,3 (or m) - Dichlorobenzene</i>	<b>320</b>	2019 RGP	<b>320</b>	2019 RGP
<i>1,4 (or p) - Dichlorobenzene</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
<i>Total Dichlorobenzene</i>	<b>Monitor Only</b>	2019 RGP	<b>763</b>	2019 RGP
<i>1,1 Dichloroethane</i>	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
<i>1,2 Dichloroethane</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
<i>1,1 Dichloroethylene</i>	<b>3.2</b>	2019 RGP	<b>3.2</b>	2019 RGP
<i>cis-1,2 Dichloroethylene</i>	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
<i>Methylene Chloride</i>	<b>4.6</b>	2019 RGP	<b>4.6</b>	2019 RGP
<i>Tetrachloroethylene</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
<i>1,1,1 Trichloroethane</i>	<b>Monitor Only</b>	2019 RGP	<b>200</b>	2019 RGP
<i>1,1,2 Trichloroethane</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
<i>Trichloroethylene</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
<i>Vinyl Chloride</i>	<b>1.92</b>	RI WQ	<b>2</b>	2019 RGP
<i>Total Suspended Solids</i>	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>30000</b>	EPA 2022 DRGP TBEL
<b>3.G. Contaminated Construction Dewatering</b>				
<i>Ammonia</i>	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>Monitor Only</b>	EPA 2022 DRGP TBEL
<i>Ethanol</i>	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>Monitor Only</b>	EPA 2022 DRGP TBEL
<i>Total Suspended Solids</i>	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>30000</b>	EPA 2022 DRGP TBEL
<i>Total Residual Chlorine</i>	<b>7.5</b>	RI WQ	<b>13</b>	RI WQ
<i>Total Petroleum Hydrocarbons</i>	<b>Monitor Only</b>	2019 RGP	<b>1000</b>	2019 RGP
<i>Cyanide</i>	<b>0.8</b>	RI WQ	<b>0.8</b>	RI WQ
<i>Benzene</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
<i>Toluene</i>	<b>12000</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
<i>Ethylbenzene</i>	<b>1680</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
<i>(m,p,o) Xylenes</i>	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
<i>Total BTEX</i>	<b>100</b>	2019 RGP	<b>100</b>	2019 RGP
<i>Ethylene dibromide</i>	<b>Monitor Only</b>	2019 RGP	<b>0.05</b>	2019 RGP
<i>Methyl-t-Butyl Ether (MTBE)</i>	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
<i>tert-Amyl Methyl Ether</i>	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
<i>Carbon Tetrachloride</i>	<b>4.4</b>	2019 RGP	<b>4.4</b>	2019 RGP
<i>1,4 Dichlorobenzene</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
<i>1,2 Dichlorobenzene</i>	<b>600</b>	2019 RGP	<b>600</b>	2019 RGP
<i>1,3 Dichlorobenzene</i>	<b>320</b>	2019 RGP	<b>320</b>	2019 RGP
<i>Total Dichlorobenzene</i>	<b>Monitor Only</b>	2019 RGP	<b>763</b>	2019 RGP
<i>1,1 Dichloroethane</i>	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
<i>1,2 Dichloroethane</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
<i>1,1 Dichloroethylene</i>	<b>3.2</b>	2019 RGP	<b>3.2</b>	2019 RGP
<i>cis-1,2 Dichloroethylene</i>	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
<i>Dichloromethane</i>	<b>Monitor Only</b>	2019 RGP	<b>4.6</b>	2019 RGP
<i>Tetrachloroethylene</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
<i>1,1,1 Trichloroethane</i>	<b>Monitor Only</b>	2019 RGP	<b>200</b>	2019 RGP
<i>1,1,2 Trichloroethane</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
<i>Trichloroethylene</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
<i>Vinyl Chloride</i>	<b>1.92</b>	RI WQ	<b>2</b>	2019 RGP
<i>Acetone</i>	<b>Monitor Only</b>	2019 RGP	<b>7970</b>	EPA 2022 DRGP TBEL
<i>1,4 Dioxane</i>	<b>Monitor Only</b>	2019 RGP	<b>200</b>	EPA 2022 DRGP TBEL
<i>Total Phenols</i>	<b>300</b>	RI WQ	<b>300</b>	2019 RGP
<i>Pentachlorophenol (PCP)</i>	<b>1</b>	2019 RGP	<b>1</b>	2019 RGP
<i>Total Phthalates</i>	<b>3</b>	2019 RGP	<b>190</b>	EPA 2022 DRGP TBEL
<i>Bis (2-Ethylhexyl) Phthalate</i>	<b>6</b>	2019 RGP	<b>6</b>	2019 RGP
<i>Total Group I Polycyclic Aromatic Hydrocarbons</i>	<b>0.14</b>	RI WQ	<b>1</b>	EPA 2022 DRGP TBEL
<i>Benzo (a) Anthracene</i>	<b>0.0038</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Benzo (a) Pyrene</i>	<b>0.0038</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Benzo (b) Fluoranthene</i>	<b>0.0038</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Benzo (k) Fluoranthene</i>	<b>0.0038</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Chrysene</i>	<b>0.0038</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Dibenzo (a,h) anthracene</i>	<b>0.0038</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Indeno (1,2,3-cd) Pyrene</i>	<b>0.0038</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Total Group II Polycyclic Aromatic Hydrocarbons (PAH)</i>	<b>0.14</b>	RI WQ	<b>100</b>	2019 RGP
<i>Acenaphthene</i>	<b>1.9</b>	2019 RGP	<b>1.9</b>	2019 RGP
<i>Acenaphthylene</i>	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
<i>Anthracene</i>	<b>32000</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
<i>Benzo (ghi) Perylene</i>	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
<i>Fluoranthene</i>	<b>112</b>	RI WQ	<b>Monitor Only</b>	2019 RGP

2024 RI RGP Limits for Saltwater				
Pollutant	Chronic (ug/l)	Limit Source	Acute (ug/l)	Limit Source
Fluorene	4240	RI WQ	Monitor Only	2019 RGP
Naphthalene	Monitor Only	2019 RGP	20	2019 RGP
Phenanthrene	Monitor Only	2019 RGP	Monitor Only	2019 RGP
Pyrene	3200	RI WQ	Monitor Only	2019 RGP
Total Polychlorinated Biphenyls (PCBs)	0.000064	2019 RGP	0.000064	2019 RGP
Antimony	5.6	2019 RGP	5.6	2019 RGP
Arsenic	1.12	RI WQ	55.2	RI WQ
Cadmium	7.08	RI WQ	10.2	EPA 2022 DRGP TBEL
Chromium III (trivalent, total recoverable)	100	2019 RGP	323	EPA 2022 DRGP TBEL
Chromium VI (hexavalent, total recoverable)	40.28	RI WQ	323	EPA 2022 DRGP TBEL
Copper	2.98	RI WQ	4.62	RI WQ
Lead (Total Recoverable)	6.81	RI WQ	160	EPA 2022 DRGP TBEL
Mercury	0.12	RI WQ	1.69	RI WQ
Nickel (total recoverable)	6.62	RI WQ	59.79	RI WQ
Selenium	56.91	RI WQ	232.46	RI WQ
Silver	1.78	2019 RGP	1.78	RI WQ
Zinc (total recoverable)	68.5	RI WQ	76.11	RI WQ
Iron (Total Recoverable)	Monitor Only	RI WQ	1000	2019 RGP
PFAS Analytes	Monitor Only	BPJ	Monitor Only	BPJ
<b>4. Miscellaneous Discharges</b>				
<b>H. Pump Testing, Well Development or Rehabilitation</b>				
Ammonia	Monitor Only	EPA 2022 DRGP TBEL	Monitor Only	EPA 2022 DRGP TBEL
Ethanol	Monitor Only	EPA 2022 DRGP TBEL	Monitor Only	EPA 2022 DRGP TBEL
Total Suspended Solids	Monitor Only	EPA 2022 DRGP TBEL	30000	EPA 2022 DRGP TBEL
Total Residual Chlorine	7.5	RI WQ	13	RI WQ
Total Petroleum Hydrocarbons	Monitor Only	2019 RGP	1000	2019 RGP
Cyanide	0.8	RI WQ	0.8	RI WQ
Benzene	5	2019 RGP	5	2019 RGP
Toluene	12000	RI WQ	Monitor Only	2019 RGP
Ethylbenzene	1680	RI WQ	Monitor Only	2019 RGP
(m,p,o) Xylenes	Monitor Only	2019 RGP	Monitor Only	2019 RGP
Total BTEX	100	2019 RGP	100	2019 RGP
Ethylene dibromide	Monitor Only	2019 RGP	0.05	2019 RGP
Methyl-t-Butyl Ether (MTBE)	Monitor Only	2019 RGP	70	2019 RGP
tert-Amyl Methyl Ether	Monitor Only	2019 RGP	Monitor Only	2019 RGP
Carbon Tetrachloride	4.4	2019 RGP	4.4	2019 RGP
1,4 Dichlorobenzene	5	2019 RGP	5	2019 RGP
1,2 Dichlorobenzene	600	2019 RGP	600	2019 RGP
1,3 Dichlorobenzene	320	2019 RGP	320	2019 RGP
Total Dichlorobenzene	Monitor Only	2019 RGP	763	2019 RGP
1,1 Dichloroethane	Monitor Only	2019 RGP	70	2019 RGP
1,2 Dichloroethane	5	2019 RGP	5	2019 RGP
1,1 Dichloroethylene	3.2	2019 RGP	3.2	2019 RGP
cis-1,2 Dichloroethylene	Monitor Only	2019 RGP	70	2019 RGP
Dichloromethane	Monitor Only	2019 RGP	4.6	2019 RGP
Tetrachloroethylene	5	2019 RGP	5	2019 RGP
1,1,1 Trichloroethane	Monitor Only	2019 RGP	200	2019 RGP
1,1,2 Trichloroethane	5	2019 RGP	5	2019 RGP
Trichloroethylene	5	2019 RGP	5	2019 RGP
Vinyl Chloride	1.92	RI WQ	2	2019 RGP
Acetone	Monitor Only	2019 RGP	7970	EPA 2022 DRGP TBEL
1,4 Dioxane	Monitor Only	2019 RGP	200	EPA 2022 DRGP TBEL
Total Phenols	300	RI WQ	300	2019 RGP
Pentachlorophenol (PCP)	1	2019 RGP	1	2019 RGP
Total Phthalates	3	2019 RGP	190	EPA 2022 DRGP TBEL
Bis (2-Ethylhexyl) Phthalate	6	2019 RGP	6	2019 RGP
Total Group I Polycyclic Aromatic Hydrocarbons	0.14	RI WQ	1	EPA 2022 DRGP TBEL
Benzo (a) Anthracene	0.0038	2019 RGP	0.0038	2019 RGP
Benzo (a) Pyrene	0.0038	2019 RGP	0.0038	2019 RGP
Benzo (b) Fluoranthene	0.0038	2019 RGP	0.0038	2019 RGP
Benzo (k) Fluoranthene	0.0038	2019 RGP	0.0038	2019 RGP
Chrysene	0.0038	2019 RGP	0.0038	2019 RGP
Dibenzo (a,h) anthracene	0.0038	2019 RGP	0.0038	2019 RGP
Indeno (1,2,3-cd) Pyrene	0.0038	2019 RGP	0.0038	2019 RGP
Total Group II Polycyclic Aromatic Hydrocarbons (PAH)	0.14	RI WQ	100	2019 RGP
Acenaphthene	1.9	2019 RGP	1.9	2019 RGP
Acenaphthylene	Monitor Only	2019 RGP	Monitor Only	2019 RGP
Anthracene	32000	RI WQ	Monitor Only	2019 RGP
Benzo (ghi) Perylene	Monitor Only	2019 RGP	Monitor Only	2019 RGP
Fluoranthene	112	RI WQ	Monitor Only	2019 RGP
Fluorene	4240	RI WQ	Monitor Only	2019 RGP
Naphthalene	Monitor Only	2019 RGP	20	2019 RGP
Phenanthrene	Monitor Only	2019 RGP	Monitor Only	2019 RGP
Pyrene	3200	RI WQ	Monitor Only	2019 RGP

2024 RI RGP Limits for Saltwater				
Pollutant	Chronic (ug/l)	Limit Source	Acute (ug/l)	Limit Source
<i>Total Polychlorinated Biphenyls (PCBs)</i>	<b>0.000064</b>	2019 RGP	<b>0.000064</b>	2019 RGP
<i>Antimony</i>	<b>5.6</b>	2019 RGP	<b>5.6</b>	2019 RGP
<i>Arsenic</i>	<b>1.12</b>	RI WQ	<b>55.2</b>	RI WQ
<i>Cadmium</i>	<b>7.08</b>	RI WQ	<b>10.2</b>	EPA 2022 DRGP TBEL
<i>Chromium III (trivalent, total recoverable)</i>	<b>100</b>	2019 RGP	<b>323</b>	EPA 2022 DRGP TBEL
<i>Chromium VI (hexavalent, total recoverable)</i>	<b>40.28</b>	RI WQ	<b>323</b>	EPA 2022 DRGP TBEL
<i>Copper</i>	<b>2.98</b>	RI WQ	<b>4.62</b>	RI WQ
<i>Lead (Total Recoverable)</i>	<b>6.81</b>	RI WQ	<b>160</b>	EPA 2022 DRGP TBEL
<i>Mercury</i>	<b>0.12</b>	RI WQ	<b>1.69</b>	RI WQ
<i>Nickel (total recoverable)</i>	<b>6.62</b>	RI WQ	<b>59.79</b>	RI WQ
<i>Selenium</i>	<b>56.91</b>	RI WQ	<b>232.46</b>	RI WQ
<i>Silver</i>	<b>1.78</b>	2019 RGP	<b>1.78</b>	RI WQ
<i>Zinc (total recoverable)</i>	<b>68.5</b>	RI WQ	<b>76.11</b>	RI WQ
<i>Iron (Total Recoverable)</i>	<b>Monitor Only</b>	RI WQ	<b>1000</b>	2019 RGP
<i>PFAS Analytes</i>	<b>Monitor Only</b>	BPJ	<b>Monitor Only</b>	BPJ
<b>I. Hydrostatic Testing of Pipelines and Tanks</b>				
<i>Ethanol</i>	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>Monitor Only</b>	EPA 2022 DRGP TBEL
<i>Total Suspended Solids</i>	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>30000</b>	EPA 2022 DRGP TBEL
<i>Total Residual Chlorine</i>	<b>7.5</b>	RI WQ	<b>13</b>	RI WQ
<i>Total Petroleum Hydrocarbons</i>	<b>Monitor Only</b>	2019 RGP	<b>1000</b>	2019 RGP
<i>Benzene</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
<i>Total BTEX</i>	<b>100</b>	2019 RGP	<b>100</b>	2019 RGP
<i>Naphthalene</i>	<b>Monitor Only</b>	2019 RGP	<b>20</b>	2019 RGP
<i>Ethylene dibromide</i>	<b>Monitor Only</b>	2019 RGP	<b>0.05</b>	2019 RGP
<i>Methyl-t-Butyl Ether (MTBE)</i>	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
<i>tert-Butyl Alcohol</i>	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
<i>tert-Amyl Methyl Ether</i>	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
<i>Total Group I Polycyclic Aromatic Hydrocarbons (PAH)</i>	<b>0.14</b>	RI WQ	<b>1</b>	EPA 2022 DRGP TBEL
<i>Bis (2-Ethylhexyl) Phthalate</i>	<b>6</b>	2019 RGP	<b>6</b>	2019 RGP
<i>Benzo (a) Anthracene</i>	<b>0.0038</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Benzo (a) Pyrene</i>	<b>0.0038</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Benzo (b) Fluoranthene</i>	<b>0.0038</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Benzo (k) Fluoranthene</i>	<b>0.0038</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Chrysene</i>	<b>0.0038</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Dibenzo (a,h) anthracene</i>	<b>0.0038</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Indeno (1,2,3-cd) Pyrene</i>	<b>0.0038</b>	2019 RGP	<b>0.0038</b>	2019 RGP
<i>Copper</i>	<b>2.98</b>	RI WQ	<b>4.62</b>	RI WQ
<i>Lead (Total Recoverable)</i>	<b>6.81</b>	RI WQ	<b>160</b>	EPA 2022 DRGP TBEL
<i>Nickel (total recoverable)</i>	<b>6.62</b>	RI WQ	<b>59.79</b>	RI WQ
<i>Chromium III (trivalent, total recoverable)</i>	<b>100</b>	2019 RGP	<b>323</b>	EPA 2022 DRGP TBEL
<i>Chromium VI (hexavalent, total recoverable)</i>	<b>40.28</b>	RI WQ	<b>323</b>	EPA 2022 DRGP TBEL
<i>Zinc (total recoverable)</i>	<b>68.5</b>	RI WQ	<b>76.11</b>	RI WQ
<i>Iron (Total Recoverable)</i>	<b>Monitor Only</b>	RI WQ	<b>1000</b>	2019 RGP
<i>PFAS Analytes</i>	<b>Monitor Only</b>	BPJ	<b>Monitor Only</b>	BPJ
<b>J. Contaminated Sumps</b>				
<i>Ammonia</i>	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>Monitor Only</b>	EPA 2022 DRGP TBEL
<i>Ethanol</i>	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>Monitor Only</b>	EPA 2022 DRGP TBEL
<i>Total Suspended Solids</i>	<b>Monitor Only</b>	EPA 2022 DRGP TBEL	<b>30000</b>	EPA 2022 DRGP TBEL
<i>Total Residual Chlorine</i>	<b>7.5</b>	RI WQ	<b>13</b>	RI WQ
<i>Total Petroleum Hydrocarbons</i>	<b>Monitor Only</b>	2019 RGP	<b>1000</b>	2019 RGP
<i>Cyanide</i>	<b>0.8</b>	RI WQ	<b>0.8</b>	RI WQ
<i>Benzene</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
<i>Toluene</i>	<b>12000</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
<i>Ethylbenzene</i>	<b>1680</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
<i>(m,p,o) Xylenes</i>	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
<i>Total BTEX</i>	<b>100</b>	2019 RGP	<b>100</b>	2019 RGP
<i>Ethylene dibromide</i>	<b>Monitor Only</b>	2019 RGP	<b>0.05</b>	2019 RGP
<i>Methyl-t-Butyl Ether (MTBE)</i>	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
<i>tert-Amyl Methyl Ether</i>	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
<i>Carbon Tetrachloride</i>	<b>4.4</b>	2019 RGP	<b>4.4</b>	2019 RGP
<i>1,4 Dichlorobenzene</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
<i>1,2 Dichlorobenzene</i>	<b>600</b>	2019 RGP	<b>600</b>	2019 RGP
<i>1,3 Dichlorobenzene</i>	<b>320</b>	2019 RGP	<b>320</b>	2019 RGP
<i>Total Dichlorobenzene</i>	<b>Monitor Only</b>	2019 RGP	<b>763</b>	2019 RGP
<i>1,1 Dichloroethane</i>	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
<i>1,2 Dichloroethane</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
<i>1,1 Dichloroethylene</i>	<b>3.2</b>	2019 RGP	<b>3.2</b>	2019 RGP
<i>cis-1,2 Dichloroethylene</i>	<b>Monitor Only</b>	2019 RGP	<b>70</b>	2019 RGP
<i>Dichloromethane</i>	<b>Monitor Only</b>	2019 RGP	<b>4.6</b>	2019 RGP
<i>Tetrachloroethylene</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
<i>1,1,1 Trichloroethane</i>	<b>Monitor Only</b>	2019 RGP	<b>200</b>	2019 RGP
<i>1,1,2 Trichloroethane</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
<i>Trichloroethylene</i>	<b>5</b>	2019 RGP	<b>5</b>	2019 RGP
<i>Vinyl Chloride</i>	<b>1.92</b>	RI WQ	<b>2</b>	2019 RGP



2024 RI RGP Limits for Saltwater				
Pollutant	Chronic (ug/l)	Limit Source	Acute (ug/l)	Limit Source
Acetone	<b>Monitor Only</b>	2019 RGP	<b>7970</b>	EPA 2022 DRGP TBEL
1,4 Dioxane	<b>Monitor Only</b>	2019 RGP	<b>200</b>	EPA 2022 DRGP TBEL
Total Phenols	<b>300</b>	RI WQ	<b>300</b>	2019 RGP
Pentachlorophenol (PCP)	<b>1</b>	2019 RGP	<b>1</b>	2019 RGP
Total Phthalates	<b>3</b>	2019 RGP	<b>190</b>	EPA 2022 DRGP TBEL
Bis (2-Ethylhexyl) Phthalate	<b>6</b>	2019 RGP	<b>6</b>	2019 RGP
Polycyclic Aromatic Hydrocarbons (PAH)	<b>0.14</b>	RI WQ	<b>1</b>	EPA 2022 DRGP TBEL
Benzo (a) Anthracene	<b>0.0038</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Benzo (a) Pyrene	<b>0.0038</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Benzo (b) Fluoranthene	<b>0.0038</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Benzo (k) Fluoranthene	<b>0.0038</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Chrysene	<b>0.0038</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Dibenzo (a,h) anthracene	<b>0.0038</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Indeno (1,2,3-cd) Pyrene	<b>0.0038</b>	2019 RGP	<b>0.0038</b>	2019 RGP
Polycyclic Aromatic Hydrocarbons (PAH)	<b>0.14</b>	RI WQ	<b>100</b>	2019 RGP
Acenaphthene	<b>1.9</b>	2019 RGP	<b>1.9</b>	2019 RGP
Acenaphthylene	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
Anthracene	<b>32000</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
Benzo (ghi) Perylene	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
Fluoranthene	<b>112</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
Fluorene	<b>4240</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
Naphthalene	<b>Monitor Only</b>	2019 RGP	<b>20</b>	2019 RGP
Phenanthrene	<b>Monitor Only</b>	2019 RGP	<b>Monitor Only</b>	2019 RGP
Pyrene	<b>3200</b>	RI WQ	<b>Monitor Only</b>	2019 RGP
Total Polychlorinated Biphenyls (PCBs)	<b>0.000064</b>	2019 RGP	<b>0.000064</b>	2019 RGP
Antimony	<b>5.6</b>	2019 RGP	<b>5.6</b>	2019 RGP
Arsenic	<b>1.12</b>	RI WQ	<b>55.2</b>	RI WQ
Cadmium	<b>7.08</b>	RI WQ	<b>10.2</b>	EPA 2022 DRGP TBEL
Chromium III (trivalent, total recoverable)	<b>100</b>	2019 RGP	<b>323</b>	EPA 2022 DRGP TBEL
Chromium VI (hexavalent, total recoverable)	<b>40.28</b>	RI WQ	<b>323</b>	EPA 2022 DRGP TBEL
Copper	<b>2.98</b>	RI WQ	<b>4.62</b>	RI WQ
Lead (Total Recoverable)	<b>6.81</b>	RI WQ	<b>160</b>	EPA 2022 DRGP TBEL
Mercury	<b>0.12</b>	RI WQ	<b>1.69</b>	RI WQ
Nickel (total recoverable)	<b>6.62</b>	RI WQ	<b>59.79</b>	RI WQ
Selenium	<b>56.91</b>	RI WQ	<b>232.46</b>	RI WQ
Silver	<b>1.78</b>	2019 RGP	<b>1.78</b>	RI WQ
Zinc (total recoverable)	<b>68.5</b>	RI WQ	<b>76.11</b>	RI WQ
Iron (Total Recoverable)	<b>Monitor Only</b>	RI WQ	<b>1000</b>	2019 RGP
PFAS Analytes	<b>Monitor Only</b>	BPJ	<b>Monitor Only</b>	BPJ

**Appendix A.1**  
**Class AA Freshwaters**

**CALCULATION OF WATER QUALITY BASED CLASS AA FRESHWATER DISCHARGE LIMITS  
FACILITY SPECIFIC DATA INPUT SHEET**

NOTE: LIMITS BASED ON RI WATER QUALITY CRITERIA DATED AUGUST 2018

FACILITY NAME: **Remediation General Permit**  
RIPDES PERMIT #: **DF=1**

	DISSOLVED BACKGROUND DATA (ug/L)	ACUTE METAL TRANSLATOR	CHRONIC METAL TRANSLATOR
ALUMINUM	NA	NA	NA
ARSENIC	NA	1	1
CADMIUM	NA	1.002000673	0.967000673
CHROMIUM III	NA	0.316	0.86
CHROMIUM VI	NA	0.982	0.962
COPPER	NA	0.96	0.96
LEAD	NA	0.993001166	0.993001166
MERCURY	NA	0.85	0.85
NICKEL	NA	0.998	0.997
SELENIUM	NA	NA	NA
SILVER	NA	0.85	NA
ZINC	NA	0.978	0.986
AMMONIA (as N)	NA		

FLOW DATA	
DESIGN FLOW =	<b>1.500</b> MGD
=	2.321 CFS
7Q10 FLOW =	<b>0.000</b> CFS
7Q10 (JUNE-OCT) =	<b>0.000</b> CFS
7Q10 (NOV-MAY) =	<b>0.000</b> CFS
30Q5 FLOW =	<b>0.000</b> CFS
HARMONIC FLOW =	<b>0.000</b> CFS

DILUTION FACTORS	
ACUTE =	<b>1.000</b>
CHRONIC =	<b>1.000</b>
(MAY-OCT) =	<b>1.000</b>
(NOV-APR) =	<b>1.000</b>
30Q5 FLOW =	<b>1.000</b>
HARMONIC FLOW =	<b>1.000</b>

USE NA WHEN NO DATA IS AVAILABLE

NOTE 1: METAL TRANSLATORS FROM RI WATER QUALITY REGS.

pH =	<b>7.5</b> S.U.
HARDNESS =	<b>25.0</b> (mg/L as CaCO <sub>3</sub> )



**CALCULATION OF WATER QUALITY BASED CLASS AA FRESHWATER DISCHARGE LIMITS**

FACILITY NAME: Remediation General Permit RIPDES PERMIT #: DF=1

NOTE: METALS CRITERIA ARE EXPRESSED AS DISSOLVED, METALS LIMITS ARE EXPRESSED AS TOTAL

CHEMICAL NAME	CAS #	BACKGROUND CONCENTRATION (ug/L)	FRESHWATER CRITERIA ACUTE (ug/L)	DAILY MAX LIMIT (ug/L)	FRESHWATER CRITERIA CHRONIC (ug/L)	HUMAN HEALTH NON-CLASS A CRITERIA (ug/L)	MONTHLY AVE LIMIT (ug/L)
<b>PRIORITY POLLUTANTS:</b>							
<b>TOXIC METALS AND CYANIDE</b>							
ANTIMONY	7440360		450	360	10	5.6	4.48
ARSENIC (limits are total recoverable)	7440382	NA	340	272	150	0.18	0.144
ASBESTOS	1332214			No Criteria		7000000	5600000
BERYLLIUM	7440417		7.5	6	0.17		0.136
CADMIUM (limits are total recoverable)	7440439	NA	0.522206507	0.416931063	0.093696824		0.077515416
CHROMIUM III (limits are total recoverable)	16065831	NA	183.0659069	463.4579922	23.81311337		22.15173337
CHROMIUM VI (limits are total recoverable)	18540299	NA	16	13.03462322	11		9.147609148
COPPER (limits are total recoverable)	7440508	NA	3.640069619	3.033391349	2.739313654	1300	2.282761378
CYANIDE	57125		22	17.6	5.2	140	4.16
LEAD (limits are total recoverable)	7439921	NA	13.88217279	11.18401329	0.540968344		0.435824942
MERCURY (limits are total recoverable)	7439976	NA	1.4	1.317647059	0.77	0.14	0.131764706
NICKEL (limits are total recoverable)	7440020	NA	144.9178377	116.1666034	16.09589771	610	12.91546456
SELENIUM (limits are total recoverable)	7782492	NA	20	16	5	170	4
SILVER (limits are total recoverable)	7440224	NA	0.31788916	0.299189798	NA		No Criteria
THALLIUM	7440280		46	36.8	1	0.24	0.192
ZINC (limits are total recoverable)	7440666	NA	36.20176511	29.61289579	36.49789406	7400	29.61289579
<b>VOLATILE ORGANIC COMPOUNDS</b>							
ACROLEIN	107028		2.9	2.32	0.06	190	0.048
ACRYLONITRILE	107131		378	302.4	8.4	0.51	0.408
BENZENE	71432		265	212	5.9	22	4.72
BROMOFORM	75252		1465	1172	33	43	26.4
CARBON TETRACHLORIDE	56235		1365	1092	30	2.3	1.84
CHLOROBENZENE	108907		795	636	18	130	14.4
CHLORODIBROMOMETHANE	124481			No Criteria		4	3.2
CHLOROFORM	67663		1445	1156	32	57	25.6
DICHLOROBROMOMETHANE	75274			No Criteria		5.5	4.4
1,2DICHLOROETHANE	107062		5900	4720	131	3.8	3.04
1,1DICHLOROETHYLENE	75354		580	464	13	330	10.4
1,2DICHLOROPROPANE	78875		2625	2100	58	5	4
1,3DICHLOROPROPYLENE	542756			No Criteria		0.34	0.272
ETHYLBENZENE	100414		1600	1280	36	530	28.8
BROMOMETHANE (methyl bromide)	74839			No Criteria		47	37.6
CHLOROMETHANE (methyl chloride)	74873			No Criteria			No Criteria
METHYLENE CHLORIDE	75092		9650	7720	214	46	36.8

**CALCULATION OF WATER QUALITY BASED CLASS AA FRESHWATER DISCHARGE LIMITS**

FACILITY NAME: Remediation General Permit RIPDES PERMIT #: DF=1

NOTE: METALS CRITERIA ARE EXPRESSED AS DISSOLVED, METALS LIMITS ARE EXPRESSED AS TOTAL

CHEMICAL NAME	CAS #	BACKGROUND CONCENTRATION (ug/L)	FRESHWATER CRITERIA ACUTE (ug/L)	DAILY MAX LIMIT (ug/L)	FRESHWATER CRITERIA CHRONIC (ug/L)	HUMAN HEALTH NON-CLASS A CRITERIA (ug/L)	MONTHLY AVE LIMIT (ug/L)
1,1,2,2TETRACHLOROETHANE	79345		466	372.8	10	1.7	1.36
TETRACHLOROETHYLENE	127184		240	192	5.3	6.9	4.24
TOLUENE	108883		635	508	14	1300	11.2
1,2TRANSDICHLOROETHYLENE	156605			No Criteria		140	112
1,1,1TRICHLOROETHANE	71556			No Criteria			No Criteria
1,1,2TRICHLOROETHANE	79005		900	720	20	5.9	4.72
TRICHLOROETHYLENE	79016		1950	1560	43	25	20
VINYL CHLORIDE	75014			No Criteria		0.025	0.02
<b>ACID ORGANIC COMPOUNDS</b>							
2CHLOROPHENOL	95578		129	103.2	2.9	81	2.32
2,4DICHLOROPHENOL	120832		101	80.8	2.2	77	1.76
2,4DIMETHYLPHENOL	105679		106	84.8	2.4	380	1.92
4,6DINITRO2METHYL PHENOL	534521			No Criteria		13	10.4
2,4DINITROPHENOL	51285		31	24.8	0.69	69	0.552
4NITROPHENOL	88755			No Criteria			No Criteria
PENTACHLOROPHENOL	87865		0.058191123	0.04652898	0.044644576	2.7	0.035715661
PHENOL	108952		251	200.8	5.6	21000	4.48
2,4,6TRICHLOROPHENOL	88062		16	12.8	0.36	14	0.288
<b>BASE NEUTRAL COMPUNDS</b>							
ACENAPHTHENE	83329		85	68	1.9	670	1.52
ANTHRACENE	120127			No Criteria		8300	6640
BENZIDINE	92875			No Criteria		0.00086	0.000688
<b>POLYCYCLIC AROMATIC HYDROCARBONS</b>							
BIS(2CHLOROETHYL)ETHER	111444			No Criteria		0.038	0.0304
BIS(2CHLOROISOPROPYL)ETHER	108601			No Criteria		0.3	0.24
BIS(2ETHYLHEXYL)PHTHALATE	117817		555	444	12	1400	1120
BUTYL BENZYL PHTHALATE	85687		85	68	1.9	12	9.6
2CHLORONAPHTHALENE	91587			No Criteria		1500	1.52
1,2DICHLOROBENZENE	95501		79	63.2	1.8	1000	800
1,3DICHLOROBENZENE	541731		390	312	8.7	420	1.44
1,4DICHLOROBENZENE	106467		56	44.8	1.2	320	6.96
3,3DICHLOROBENZIDENE	91941			No Criteria		63	0.96
DIETHYL PHTHALATE	84662		2605	2084	58	0.21	0.168
DIMETHYL PHTHALATE	131113		1650	1320	37	17000	46.4
DI-n-BUTYL PHTHALATE	84742			No Criteria		270000	29.6
2,4DINITROTOLUENE	121142		1550	1240	34	2000	1600
						1.1	0.88

## CALCULATION OF WATER QUALITY BASED CLASS AA FRESHWATER DISCHARGE LIMITS

FACILITY NAME: Remediation General Permit RIPDES PERMIT #: DF=1

NOTE: METALS CRITERIA ARE EXPRESSED AS DISSOLVED, METALS LIMITS ARE EXPRESSED AS TOTAL

CHEMICAL NAME	CAS #	BACKGROUND CONCENTRATION (ug/L)	FRESHWATER CRITERIA ACUTE (ug/L)	DAILY MAX LIMIT (ug/L)	FRESHWATER CRITERIA CHRONIC (ug/L)	HUMAN HEALTH NON-CLASS A CRITERIA (ug/L)	MONTHLY AVE LIMIT (ug/L)
1,2DIPHENYLHYDRAZINE	122667		14	11.2	0.31	0.36	0.248
FLUORANTHENE	206440		199	159.2	4.4	130	3.52
FLUORENE	86737			No Criteria		1100	880
HEXACHLOROBENZENE	118741			No Criteria		0.0028	0.00224
HEXACHLOROBUTADIENE	87683			No Criteria		4.4	3.52
HEXACHLOROCYCLOPENTADIENE	77474		0.35	0.28	0.008	40	0.0064
HEXACHLOROETHANE	67721		49	39.2	1.1	14	0.88
ISOPHORONE	78591		5850	4680	130	350	104
NAPHTHALENE	91203		115	92	2.6		2.08
NITROBENZENE	98953		1350	1080	30	17	13.6
N-NITROSODIMETHYLAMINE	62759			No Criteria		0.0069	0.00552
N-NITROSODI-N-PROPYLAMINE	621647			No Criteria		0.05	0.04
N-NITROSODIPHENYLAMINE	86306		293	234.4	6.5	33	5.2
PYRENE	129000			No Criteria		830	664
1,2,4trichlorobenzene	120821		75	60	1.7	35	1.36
PESTICIDES/PCBs							
ALDRIN	309002		3	2.4		0.00049	0.000392
Alpha BHC	319846			No Criteria		0.026	0.0208
Beta BHC	319857			No Criteria		0.091	0.0728
Gamma BHC (Lindane)	58899		0.95	0.76		0.98	0.784
CHLORDANE	57749		2.4	1.92	0.0043	0.008	0.00344
4,4DDT	50293		1.1	0.88	0.001	0.0022	0.0008
4,4DDE	72559			No Criteria		0.0022	0.00176
4,4DDD	72548			No Criteria		0.0031	0.00248
DIELDRIN	60571		0.24	0.192	0.056	0.00052	0.000416
ENDOSULFAN (alpha)	959988		0.22	0.176	0.056	62	0.0448
ENDOSULFAN (beta)	33213659		0.22	0.176	0.056	62	0.0448
ENDOSULFAN (sulfate)	1031078			No Criteria		62	49.6
ENDRIN	72208		0.086	0.0688	0.036	0.059	0.0288
ENDRIN ALDEHYDE	7421934			No Criteria		0.29	0.232
HEPTACHLOR	76448		0.52	0.416	0.0038	0.00079	0.000632
HEPTACHLOR EPOXIDE	1024573		0.52	0.416	0.0038	0.00039	0.000312
POLYCHLORINATED BIPHENYLS3	1336363			No Criteria	0.014	0.00064	0.000512
2,3,7,8TCDD (Dioxin)	1746016			No Criteria		0.00000005	0.00000004
TOXAPHENE	8001352		0.73	0.584	0.0002	0.0028	0.00016
TRIBUTYL TIN			0.46	0.368	0.072		0.0576

**CALCULATION OF WATER QUALITY BASED CLASS AA FRESHWATER DISCHARGE LIMITS**

FACILITY NAME: Remediation General Permit RIPDES PERMIT #: DF=1

NOTE: METALS CRITERIA ARE EXPRESSED AS DISSOLVED, METALS LIMITS ARE EXPRESSED AS TOTAL

CHEMICAL NAME	CAS #	BACKGROUND CONCENTRATION (ug/L)	FRESHWATER CRITERIA ACUTE (ug/L)	DAILY MAX LIMIT (ug/L)	FRESHWATER CRITERIA CHRONIC (ug/L)	HUMAN HEALTH NON-CLASS A CRITERIA (ug/L)	MONTHLY AVE LIMIT (ug/L)
<b>NON PRIORITY POLLUTANTS:</b>							
<b>OTHER SUBSTANCES</b>							
ALUMINUM (limits are total recoverable)	7429905	NA	750	600	87		69.6
AMMONIA as N(winter/summer)	7664417		10.1   10.1	8080   8080	1.46   1.46		1168   1168
4BROMOPHENYL PHENYL ETHER			18	14.4	0.4		0.32
CHLORIDE	16887006		860000	688000	230000		184000
CHLORINE	7782505		19	19	11		11
4CHLORO2METHYLPHENOL			15	12	0.32		0.256
1CHLORONAPHTHALENE			80	64	1.8		1.44
4CHLOROPHENOL	106489		192	153.6	4.3		3.44
2,4DICHLORO6METHYLPHENOL			22	17.6	0.48		0.384
1,1DICHLOROPROPANE			1150	920	26		20.8
1,3DICHLOROPROPANE	142289		303	242.4	6.7		5.36
2,3DINITROTOLUENE			17	13.6	0.37		0.296
2,4DINITRO6METHYL PHENOL			12	9.6	0.26		0.208
IRON	7439896			No Criteria	1000	300	240
pentachlorobenzene	608935		13	10.4	0.28		0.224
PENTACHLOROETHANE			362	289.6	8		6.4
1,2,3,5tetrachlorobenzene			321	256.8	7.1		5.68
1,1,1,2TETRACHLOROETHANE	630206		980	784	22		17.6
2,3,4,6TETRACHLOROPHENOL	58902		7	5.6	0.16		0.128
2,3,5,6TETRACHLOROPHENOL			8.5	6.8	0.19		0.152
2,4,5TRICHLOROPHENOL	95954		23	18.4	0.51		0.408
2,4,6TRINITROPHENOL	88062		4235	3388	94		75.2
XYLENE	1330207		133	106.4	3		2.4



**CALCULATION OF WATER QUALITY BASED CLASS AA FRESHWATER DISCHARGE LIMITS**

FACILITY NAME: Remediation General Permit

RIPDES PERMIT #: DF=1

CHEMICAL NAME	CAS#	DAILY MAX LIMIT (ug/L)	MONTHLY AVE LIMIT (ug/L)
<b>PRIORITY POLLUTANTS:</b>			
<b>TOXIC METALS AND CYANIDE</b>			
ANTIMONY	7440360	360.00	4.48
ARSENIC, TOTAL	7440382	272.00	0.14
ASBESTOS	1332214	No Criteria	5600000.00
BERYLLIUM	7440417	6.00	0.14
CADMIUM, TOTAL	7440439	0.42	0.08
CHROMIUM III, TOTAL	16065831	463.46	22.15
CHROMIUM VI, TOTAL	18540299	13.03	9.15
COPPER, TOTAL	7440508	3.03	2.28
CYANIDE	57125	17.60	4.16
LEAD, TOTAL	7439921	11.18	0.44
MERCURY, TOTAL	7439976	1.32	0.13
NICKEL, TOTAL	7440020	116.17	12.92
SELENIUM, TOTAL	7782492	16.00	4.00
SILVER, TOTAL	7440224	0.30	0.30
THALLIUM	7440280	36.80	0.19
ZINC, TOTAL	7440666	29.61	29.61
<b>VOLATILE ORGANIC COMPOUNDS</b>			
ACROLEIN	107028	2.32	0.05
ACRYLONITRILE	107131	302.40	0.41
BENZENE	71432	212.00	4.72
BROMOFORM	75252	1172.00	26.40
CARBON TETRACHLORIDE	56235	1092.00	1.84
CHLOROBENZENE	108907	636.00	14.40
CHLORODIBROMOMETHANE	124481	No Criteria	3.20
CHLOROFORM	67663	1156.00	25.60
DICHLOROBROMOMETHANE	75274	No Criteria	4.40
1,2DICHLOROETHANE	107062	4720.00	3.04
1,1DICHLOROETHYLENE	75354	464.00	10.40
1,2DICHLOROPROPANE	78875	2100.00	4.00
1,3DICHLOROPROPYLENE	542756	No Criteria	0.27
ETHYLBENZENE	100414	1280.00	28.80
BROMOMETHANE (methyl bromide)	74839	No Criteria	37.60
CHLOROMETHANE (methyl chloride)	74873	No Criteria	0.00000
METHYLENE CHLORIDE	75092	7720.00	36.80
1,1,2,2TETRACHLOROETHANE	79345	372.80	1.36

CHEMICAL NAME	CAS#	DAILY MAX LIMIT (ug/L)	MONTHLY AVE LIMIT (ug/L)
TETRACHLOROETHYLENE	127184	192.00	4.24
TOLUENE	108883	508.00	11.20
1,2TRANSDICHLOROETHYLENE	156605	No Criteria	112.00
1,1,1TRICHLOROETHANE	71556	No Criteria	0.00000
1,1,2TRICHLOROETHANE	79005	720.00	4.72
TRICHLOROETHYLENE	79016	1560.00	20.00
VINYL CHLORIDE	75014	No Criteria	0.02
<b>ACID ORGANIC COMPOUNDS</b>			
2CHLOROPHENOL	95578	103.20	2.32
2,4DICHLOROPHENOL	120832	80.80	1.76
2,4DIMETHYLPHENOL	105679	84.80	1.92
4,6DINITRO2METHYL PHENOL	534521	No Criteria	10.40
2,4DINITROPHENOL	51285	24.80	0.55
4NITROPHENOL	88755	No Criteria	0.00000
PENTACHLOROPHENOL	87865	0.05	0.04
PHENOL	108952	200.80	4.48
2,4,6TRICHLOROPHENOL	88062	12.80	0.29
<b>BASE NEUTRAL COMPOUNDS</b>			
ACENAPHTHENE	83329	68.00	1.52
ANTHRACENE	120127	No Criteria	6640.00
BENZIDINE	92875	No Criteria	0.00069
PAHs		No Criteria	0.03
BIS(2CHLOROETHYL)ETHER	111444	No Criteria	0.24
BIS(2CHLOROISOPROPYL)ETHER	108601	No Criteria	1120.00
BIS(2ETHYLHEXYL)PHTHALATE	117817	444.00	9.60
BUTYL BENZYL PHTHALATE	85687	68.00	1.52
2CHLORONAPHTHALENE	91587	No Criteria	800.00
1,2DICHLOROBENZENE	95501	63.20	1.44
1,3DICHLOROBENZENE	541731	312.00	6.96
1,4DICHLOROBENZENE	106467	44.80	0.96
3,3DICHLOROBENZIDENE	91941	No Criteria	0.17
DIETHYL PHTHALATE	84662	2084.00	46.40
DIMETHYL PHTHALATE	131113	1320.00	29.60
DI-n-BUTYL PHTHALATE	84742	No Criteria	1600.00
2,4DINITROTOLUENE	121142	1240.00	0.88
1,2DIPHENYLHYDRAZINE	122667	11.20	0.25
FLUORANTHENE	206440	159.20	3.52

**CALCULATION OF WATER QUALITY BASED CLASS AA FRESHWATER DISCHARGE LIMITS**

FACILITY NAME: Remediation General Permit

RIPDES PERMIT #: DF=1

CHEMICAL NAME	CAS#	DAILY MAX LIMIT (ug/L)	MONTHLY AVE LIMIT (ug/L)
FLUORENE	86737	No Criteria	880.00
HEXACHLOROBENZENE	118741	No Criteria	0.00224
HEXACHLOROBUTADIENE	87683	No Criteria	3.52
HEXACHLOROCYCLOPENTADIENE	77474	0.28	0.00640
HEXACHLOROETHANE	67721	39.20	0.88
ISOPHORONE	78591	4680.00	104.00
NAPHTHALENE	91203	92.00	2.08
NITROBENZENE	98953	1080.00	13.60
N-NITROSODIMETHYLAMINE	62759	No Criteria	0.00552
N-NITROSODI-N-PROPYLAMINE	621647	No Criteria	0.04
N-NITROSODIPHENYLAMINE	86306	234.40	5.20
PYRENE	129000	No Criteria	664.00
1,2,4trichlorobenzene	120821	60.00	1.36
<b>PESTICIDES/PCBs</b>			
ALDRIN	309002	2.40	0.00039
Alpha BHC	319846	No Criteria	0.02
Beta BHC	319857	No Criteria	0.07
Gamma BHC (Lindane)	58899	0.76	0.76
CHLORDANE	57749	1.92	0.00344
4,4DDT	50293	0.88	0.00080
4,4DDE	72559	No Criteria	0.00176
4,4DDD	72548	No Criteria	0.00248
DIELDRIN	60571	0.19	0.00042
ENDOSULFAN (alpha)	959988	0.18	0.04
ENDOSULFAN (beta)	33213659	0.18	0.04
ENDOSULFAN (sulfate)	1031078	No Criteria	49.60
ENDRIN	72208	0.07	0.03
ENDRIN ALDEHYDE	7421934	No Criteria	0.23
HEPTACHLOR	76448	0.42	0.00063
HEPTACHLOR EPOXIDE	1024573	0.42	0.00031
POLYCHLORINATED BIPHENYLS3	1336363	No Criteria	0.00051
2,3,7,8TCDD (Dioxin)	1746016	No Criteria	0.00000
TOXAPHENE	8001352	0.58	0.00016
TRIBUTYLTIN		0.37	0.06

CHEMICAL NAME	CAS#	DAILY MAX LIMIT (ug/L)	MONTHLY AVE LIMIT (ug/L)
<b>NON PRIORITY POLLUTANTS:</b>			
<b>OTHER SUBSTANCES</b>			
ALUMINUM, TOTAL	7429905	600.00	69.60
AMMONIA (as N), WINTER (NOV-APP	7664417	8080.00	1168.00
AMMONIA (as N), SUMMER (MAY-OC	7664417	8080.00	1168.00
4BROMOPHENYL PHENYL ETHER		14.40	0.32
CHLORIDE	16887006	688000.00	184000.00
CHLORINE	7782505	19.00	11.00
4CHLORO2METHYLPHENOL		12.00	0.26
1CHLORONAPHTHALENE		64.00	1.44
4CHLOROPHENOL	106489	153.60	3.44
2,4DICHLORO6METHYLPHENOL		17.60	0.38
1,1DICHLOROPROPANE		920.00	20.80
1,3DICHLOROPROPANE	142289	242.40	5.36
2,3DINITROTOLUENE		13.60	0.30
2,4DINITRO6METHYL PHENOL		9.60	0.21
IRON	7439896	No Criteria	240.00
pentachlorobenzene	608935	10.40	0.22
PENTACHLOROETHANE		289.60	6.40
1,2,3,5tetrachlorobenzene		256.80	5.68
1,1,1,2TETRACHLOROETHANE	630206	784.00	17.60
2,3,4,6TETRACHLOROPHENOL	58902	5.60	0.13
2,3,5,6TETRACHLOROPHENOL		6.80	0.15
2,4,5TRICHLOROPHENOL	95954	18.40	0.41
2,4,6TRINITROPHENOL	88062	3388.00	75.20
XYLENE	1330207	106.40	2.40

**Appendix A.2**  
**Non-Class AA Freshwaters**

**CALCULATION OF WATER QUALITY BASED NON-CLASS AA FRESHWATER DISCHARGE LIMITS**

**FACILITY SPECIFIC DATA INPUT SHEET**

NOTE: LIMITS BASED ON RI WATER QUALITY CRITERIA DATED AUGUST 2018

FACILITY NAME: **Remediation General Permit**  
 RIPDES PERMIT #: **DF=1**

	DISSOLVED BACKGROUND DATA (ug/L)	ACUTE METAL TRANSLATOR	CHRONIC METAL TRANSLATOR
ALUMINUM	NA	NA	NA
ARSENIC	NA	1	1
CADMIUM	NA	1.002000673	0.967000673
CHROMIUM III	NA	0.316	0.86
CHROMIUM VI	NA	0.982	0.962
COPPER	NA	0.96	0.96
LEAD	NA	0.993001166	0.993001166
MERCURY	NA	0.85	0.85
NICKEL	NA	0.998	0.997
SELENIUM	NA	NA	NA
SILVER	NA	0.85	NA
ZINC	NA	0.978	0.986
AMMONIA (as N)	NA		

FLOW DATA	
DESIGN FLOW =	<b>1.500</b> MGD
=	2.321 CFS
7Q10 FLOW =	<b>0.000</b> CFS
7Q10 (JUNE-OCT) =	<b>0.000</b> CFS
7Q10 (NOV-MAY) =	<b>0.000</b> CFS
30Q5 FLOW =	<b>0.000</b> CFS
HARMONIC FLOW =	<b>0.000</b> CFS

DILUTION FACTORS	
ACUTE =	<b>1.000</b>
CHRONIC =	<b>1.000</b>
(MAY-OCT) =	<b>1.000</b>
(NOV-APR) =	<b>1.000</b>
30Q5 FLOW =	<b>1.000</b>
HARMONIC FLOW =	<b>1.000</b>

USE NA WHEN NO DATA IS AVAILABLE

NOTE 1: METAL TRANSLATORS FROM RI WATER QUALITY REGS.

pH =	<b>7.5</b> S.U.
HARDNESS =	<b>25.0</b> (mg/L as CaCO <sub>3</sub> )

WATER QUALITY BASED EFFLUENT LIMITS - FRESHWATER

CALCULATION OF WATER QUALITY BASED NON-CLASS AA FRESHWATER DISCHARGE LIMITS

FACILITY NAME: Remediation General Permit

RIPDES PERMIT #: DF=1

Month	Upper 90 <sup>th</sup> % pH	Acute Criteria* ug/L as N	Chronic Criteria* ug/L as N
May	7.9	10.1	1.46
Jun	7.9	10.1	1.46
Jul	7.9	10.1	1.46
Aug	7.9	10.1	1.46
Sep	7.9	10.1	1.46
Oct	7.9	10.1	1.46
Nov	7.9	10.1	1.46
Dec	7.9	10.1	1.46
Jan	7.9	10.1	1.46
Feb	7.9	10.1	1.46
Mar	7.9	10.1	1.46
Apr	7.9	10.1	1.46

*\*NOTE: Criteria from Appendix B of the RI Water Quality Regs., July 2006.*

**CALCULATION OF WATER QUALITY BASED NON-CLASS AA FRESHWATER DISCHARGE LIMITS**

FACILITY NAME: Remediation General Permit RIPDES PERMIT #: DF=1

NOTE: METALS CRITERIA ARE EXPRESSED AS DISSOLVED, METALS LIMITS ARE EXPRESSED AS TOTAL

CHEMICAL NAME	CAS #	BACKGROUND CONCENTRATION (ug/L)	FRESHWATER CRITERIA ACUTE (ug/L)	DAILY MAX LIMIT (ug/L)	FRESHWATER CRITERIA CHRONIC (ug/L)	HUMAN HEALTH NON-CLASS A CRITERIA (ug/L)	MONTHLY AVE LIMIT (ug/L)
<b>PRIORITY POLLUTANTS:</b>							
<b>TOXIC METALS AND CYANIDE</b>							
ANTIMONY	7440360		450	360	10	640	8
ARSENIC (limits are total recoverable)	7440382	NA	340	272	150	1.4	1.12
ASBESTOS	1332214			No Criteria			No Criteria
BERYLLIUM	7440417		7.5	6	0.17		0.136
CADMIUM (limits are total recoverable)	7440439	NA	0.522206507	0.416931063	0.093696824		0.077515416
CHROMIUM III (limits are total recoverable)	16065831	NA	183.0659069	463.4579922	23.81311337		22.15173337
CHROMIUM VI (limits are total recoverable)	18540299	NA	16	13.03462322	11		9.147609148
COPPER (limits are total recoverable)	7440508	NA	3.640069619	3.033391349	2.739313654		2.282761378
CYANIDE	57125		22	17.6	5.2	140	4.16
LEAD (limits are total recoverable)	7439921	NA	13.88217279	11.18401329	0.540968344		0.435824942
MERCURY (limits are total recoverable)	7439976	NA	1.4	1.317647059	0.77	0.15	0.141176471
NICKEL (limits are total recoverable)	7440020	NA	144.9178377	116.1666034	16.09589771	4600	12.91546456
SELENIUM (limits are total recoverable)	7782492	NA	20	16	5	4200	4
SILVER (limits are total recoverable)	7440224	NA	0.31788916	0.299189798	NA		No Criteria
THALLIUM	7440280		46	36.8	1	0.47	0.376
ZINC (limits are total recoverable)	7440666	NA	36.20176511	29.61289579	36.49789406	26000	29.61289579
<b>VOLATILE ORGANIC COMPOUNDS</b>							
ACROLEIN	107028		2.9	2.32	0.06	290	0.048
ACRYLONITRILE	107131		378	302.4	8.4	2.5	2
BENZENE	71432		265	212	5.9	510	4.72
BROMOFORM	75252		1465	1172	33	1400	26.4
CARBON TETRACHLORIDE	56235		1365	1092	30	16	12.8
CHLOROBENZENE	108907		795	636	18	1600	14.4
CHLORODIBROMOMETHANE	124481			No Criteria		130	104
CHLOROFORM	67663		1445	1156	32	4700	25.6
DICHLOROBROMOMETHANE	75274			No Criteria		170	136
1,2DICHLOROETHANE	107062		5900	4720	131	370	104.8
1,1DICHLOROETHYLENE	75354		580	464	13	7100	10.4
1,2DICHLOROPROPANE	78875		2625	2100	58	150	46.4
1,3DICHLOROPROPYLENE	542756			No Criteria		21	16.8
ETHYLBENZENE	100414		1600	1280	36	2100	28.8
BROMOMETHANE (methyl bromide)	74839			No Criteria		1500	1200
CHLOROMETHANE (methyl chloride)	74873			No Criteria			No Criteria
METHYLENE CHLORIDE	75092		9650	7720	214	5900	171.2

**CALCULATION OF WATER QUALITY BASED NON-CLASS AA FRESHWATER DISCHARGE LIMITS**

FACILITY NAME: Remediation General Permit RIPDES PERMIT #: DF=1

NOTE: METALS CRITERIA ARE EXPRESSED AS DISSOLVED, METALS LIMITS ARE EXPRESSED AS TOTAL

CHEMICAL NAME	CAS #	BACKGROUND CONCENTRATION (ug/L)	FRESHWATER CRITERIA ACUTE (ug/L)	DAILY MAX LIMIT (ug/L)	FRESHWATER CRITERIA CHRONIC (ug/L)	HUMAN HEALTH NON-CLASS A CRITERIA (ug/L)	MONTHLY AVE LIMIT (ug/L)
1,1,2,2TETRACHLOROETHANE	79345		466	372.8	10	40	8
TETRACHLOROETHYLENE	127184		240	192	5.3	33	4.24
TOLUENE	108883		635	508	14	15000	11.2
1,2TRANSDICHLOROETHYLENE	156605			No Criteria		10000	8000
1,1,1TRICHLOROETHANE	71556			No Criteria			No Criteria
1,1,2TRICHLOROETHANE	79005		900	720	20	160	16
TRICHLOROETHYLENE	79016		1950	1560	43	300	34.4
VINYL CHLORIDE	75014			No Criteria		2.4	1.92
<b>ACID ORGANIC COMPOUNDS</b>							
2CHLOROPHENOL	95578		129	103.2	2.9	150	2.32
2,4DICHLOROPHENOL	120832		101	80.8	2.2	290	1.76
2,4DIMETHYLPHENOL	105679		106	84.8	2.4	850	1.92
4,6DINITRO2METHYL PHENOL	534521			No Criteria		280	224
2,4DINITROPHENOL	51285		31	24.8	0.69	5300	0.552
4NITROPHENOL	88755			No Criteria			No Criteria
PENTACHLOROPHENOL	87865		0.058191123	0.046552898	0.044644576	30	0.035715661
PHENOL	108952		251	200.8	5.6	1700000	4.48
2,4,6TRICHLOROPHENOL	88062		16	12.8	0.36	24	0.288
<b>BASE NEUTRAL COMPUNDS</b>							
ACENAPHTHENE	83329		85	68	1.9	990	1.52
ANTHRACENE	120127			No Criteria		40000	32000
BENZIDINE	92875			No Criteria		0.002	0.0016
<b>POLYCYCLIC AROMATIC HYDROCARBONS</b>							
BIS(2CHLOROETHYL)ETHER	111444			No Criteria		0.18	0.144
BIS(2CHLOROISOPROPYL)ETHER	108601			No Criteria		5.3	4.24
BIS(2ETHYLHEXYL)PHTHALATE	117817		555	444	12	65000	52000
BUTYL BENZYL PHTHALATE	85687		85	68	1.9	22	9.6
2CHLORONAPHTHALENE	91587			No Criteria		1900	1.52
1,2DICHLOROBENZENE	95501		79	63.2	1.8	1600	1280
1,3DICHLOROBENZENE	541731		390	312	8.7	1300	1.44
1,4DICHLOROBENZENE	106467		56	44.8	1.2	960	6.96
3,3DICHLOROBENZIDENE	91941			No Criteria		190	0.96
DIETHYL PHTHALATE	84662		2605	No Criteria		0.28	0.224
DIMETHYL PHTHALATE	131113		1650	2084	58	44000	46.4
DI-n-BUTYL PHTHALATE	84742			1320	37	1100000	29.6
2,4DINITROTOLUENE	121142		1550	No Criteria		4500	3600
				1240	34	34	27.2

**CALCULATION OF WATER QUALITY BASED NON-CLASS AA FRESHWATER DISCHARGE LIMITS**

FACILITY NAME: Remediation General Permit RIPDES PERMIT #: DF=1

NOTE: METALS CRITERIA ARE EXPRESSED AS DISSOLVED, METALS LIMITS ARE EXPRESSED AS TOTAL

CHEMICAL NAME	CAS #	BACKGROUND CONCENTRATION (ug/L)	FRESHWATER CRITERIA ACUTE (ug/L)	DAILY MAX LIMIT (ug/L)	FRESHWATER CRITERIA CHRONIC (ug/L)	HUMAN HEALTH NON-CLASS A CRITERIA (ug/L)	MONTHLY AVE LIMIT (ug/L)
1,2DIPHENYLHYDRAZINE	122667		14	11.2	0.31	2	0.248
FLUORANTHENE	206440		199	159.2	4.4	140	3.52
FLUORENE	86737			No Criteria		5300	4240
HEXACHLOROBENZENE	118741			No Criteria		0.0029	0.00232
HEXACHLOROBUTADIENE	87683			No Criteria		180	144
HEXACHLOROCYCLOPENTADIENE	77474		0.35	0.28	0.008	1100	0.0064
HEXACHLOROETHANE	67721		49	39.2	1.1	33	0.88
ISOPHORONE	78591		5850	4680	130	9600	104
NAPHTHALENE	91203		115	92	2.6		2.08
NITROBENZENE	98953		1350	1080	30	690	24
N-NITROSODIMETHYLAMINE	62759			No Criteria		30	24
N-NITROSODI-N-PROPYLAMINE	621647			No Criteria		5.1	4.08
N-NITROSODIPHENYLAMINE	86306		293	234.4	6.5	60	5.2
PYRENE	129000			No Criteria		4000	3200
1,2,4trichlorobenzene	120821		75	60	1.7	70	1.36
<b>PESTICIDES/PCBs</b>							
ALDRIN	309002		3	2.4		0.0005	0.0004
Alpha BHC	319846			No Criteria		0.049	0.0392
Beta BHC	319857			No Criteria		0.17	0.136
Gamma BHC (Lindane)	58899		0.95	0.76		1.8	1.44
CHLORDANE	57749		2.4	1.92	0.0043	0.0081	0.00344
4,4DDT	50293		1.1	0.88	0.001	0.0022	0.0008
4,4DDE	72559			No Criteria		0.0022	0.00176
4,4DDD	72548			No Criteria		0.0031	0.00248
DIELDRIN	60571		0.24	0.192	0.056	0.00054	0.000432
ENDOSULFAN (alpha)	959988		0.22	0.176	0.056	89	0.0448
ENDOSULFAN (beta)	33213659		0.22	0.176	0.056	89	0.0448
ENDOSULFAN (sulfate)	1031078			No Criteria		89	71.2
ENDRIN	72208		0.086	0.0688	0.036	0.06	0.0288
ENDRIN ALDEHYDE	7421934			No Criteria		0.3	0.24
HEPTACHLOR	76448		0.52	0.416	0.0038	0.00079	0.000632
HEPTACHLOR EPOXIDE	1024573		0.52	0.416	0.0038	0.00039	0.000312
POLYCHLORINATED BIPHENYLS3	1336363			No Criteria	0.014	0.00064	0.000512
2,3,7,8TCDD (Dioxin)	1746016			No Criteria		0.000000051	4.08E-08
TOXAPHENE	8001352		0.73	0.584	0.0002	0.0028	0.00016
TRIBUTYLTIN			0.46	0.368	0.072		0.0576



**CALCULATION OF WATER QUALITY BASED NON-CLASS AA FRESHWATER DISCHARGE LIMITS**

FACILITY NAME: Remediation General Permit RIPDES PERMIT #: DF=1

NOTE: METALS CRITERIA ARE EXPRESSED AS DISSOLVED, METALS LIMITS ARE EXPRESSED AS TOTAL

CHEMICAL NAME	CAS #	BACKGROUND CONCENTRATION (ug/L)	FRESHWATER CRITERIA ACUTE (ug/L)	DAILY MAX LIMIT (ug/L)	FRESHWATER CRITERIA CHRONIC (ug/L)	HUMAN HEALTH NON-CLASS A CRITERIA (ug/L)	MONTHLY AVE LIMIT (ug/L)
<b>NON PRIORITY POLLUTANTS:</b>							
<b>OTHER SUBSTANCES</b>							
ALUMINUM (limits are total recoverable)	7429905	NA	750	600	87		69.6
AMMONIA as N(winter/summer)	7664417		10.1   10.1	8080   8080	1.46   1.46		1168   1168
4BROMOPHENYL PHENYL ETHER			18	14.4	0.4		0.32
CHLORIDE	16887006		860000	688000	230000		184000
CHLORINE	7782505		19	19	11		11
4CHLORO2METHYLPHENOL			15	12	0.32		0.256
1CHLORONAPHTHALENE			80	64	1.8		1.44
4CHLOROPHENOL	106489		192	153.6	4.3		3.44
2,4DICHLORO6METHYLPHENOL			22	17.6	0.48		0.384
1,1DICHLOROPROPANE			1150	920	26		20.8
1,3DICHLOROPROPANE	142289		303	242.4	6.7		5.36
2,3DINITROTOLUENE			17	13.6	0.37		0.296
2,4DINITRO6METHYL PHENOL			12	9.6	0.26		0.208
IRON	7439896			No Criteria	1000		800
pentachlorobenzene	608935		13	10.4	0.28		0.224
PENTACHLOROETHANE			362	289.6	8		6.4
1,2,3,5tetrachlorobenzene			321	256.8	7.1		5.68
1,1,1,2TETRACHLOROETHANE	630206		980	784	22		17.6
2,3,4,6TETRACHLOROPHENOL	58902		7	5.6	0.16		0.128
2,3,5,6TETRACHLOROPHENOL			8.5	6.8	0.19		0.152
2,4,5TRICHLOROPHENOL	95954		23	18.4	0.51		0.408
2,4,6TRINITROPHENOL	88062		4235	3388	94		75.2
XYLENE	1330207		133	106.4	3		2.4





## **Appendix A.3**

### **Saltwaters**

**CALCULATION OF WATER QUALITY BASED SALTWATER DISCHARGE LIMITS  
FACILITY SPECIFIC DATA INPUT SHEET**

NOTE: LIMITS BASED ON RI WATER QUALITY CRITERIA DATED AUGUST 2018

FACILITY NAME: **Remediation General Permit**

RIPDES PERMIT #: **DF=1**

	DISSOLVED BACKGROUND DATA (ug/L)	ACUTE METAL TRANSLATOR	CHRONIC METAL TRANSLATOR
ALUMINUM	NA	NA	NA
ARSENIC	NA	1	1
CADMIUM	NA	0.994	0.994
CHROMIUM III	NA	NA	NA
CHROMIUM VI	NA	0.993	0.993
COPPER	NA	0.83	0.83
LEAD	NA	0.951	0.951
MERCURY	NA	0.85	NA
NICKEL	NA	0.99	0.99
SELENIUM	NA	0.998	0.998
SILVER	NA	0.85	0.85
ZINC	NA	0.946	0.946

**USE NA WHEN NO DATA IS AVAILABLE**

NOTE 1: BACKGROUND DATA BASED ON AVERAGE CONCENTRATIONS OBTAINED FROM THE FOUR SINBADD CRUISES IN CURRENT REPORT #: NBP-89-22 (LOCATIONS B7, B8, B9, B13, B14, B15, & B16).

NOTE 2: METAL TRANSLATORS FROM RI WATER QUALITY REGS.

DILUTION FACTORS	
ACUTE =	1 x
CHRONIC =	1 x
HUMAN HEALTH =	1 x

NOTE: TEST WWTF'S DILUTION FACTORS OBTAINED FROM A DYE STUDY.

TOTAL AMMONIA CRITERIA (ug/L)	
WINTER ACUTE =	6000
CHRONIC =	900
SUMMER ACUTE =	5000
CHRONIC =	750

NOTE 1: LIMITS ARE FROM TABLE 3 IN THE RI WATER QUALITY REGS. USING:  
SALINITY = 30 g/Kg; pH = 8.0 s.u.  
WINTER (NOV-APRIL) pH=8.4 s.u.;  
SUMMER (MAY-OCT) pH=8.0 s.u.  
WINTER (NOV-APRIL) TEMP=10.0 C;  
SUMMER (MAY-OCT) TEMP=25.0 C.

## CALCULATION OF WATER QUALITY BASED SALTWATER DISCHARGE LIMITS

FACILITY NAME: Remediation General Permit RIPDES PERMIT #: DF=1

NOTE: METALS CRITERIA ARE DISSOLVED, METALS LIMITS ARE TOTAL; AMMONIA CRITERIA AND LIMITS HAVE BEEN CONVERTED TO ug/l N.

CHEMICAL NAME	CAS #	BACKGROUND CONCENTRATION (ug/L)	SALTWATER CRITERIA ACUTE (ug/L)	DAILY MAX LIMIT (ug/L)	SALTWATER CRITERIA CHRONIC (ug/L)	HUMAN HEALTH NON-CLASS A CRITERIA (ug/L)	MONTHLY AVE LIMIT (ug/L)
<b>PRIORITY POLLUTANTS:</b>							
<b>TOXIC METALS AND CYANIDE</b>							
ANTIMONY	7440360			No Criteria		640	512
ARSENIC (limits are total recoverable)	7440382	NA	69	55.2	36	1.4	1.12
ASBESTOS	1332214			No Criteria			No Criteria
BERYLLIUM	7440417			No Criteria			No Criteria
CADMIUM (limits are total recoverable)	7440439	NA	40	32.19315895	8.8		7.08249497
CHROMIUM III (limits are total recoverable)	16065831	NA		No Criteria			No Criteria
CHROMIUM VI (limits are total recoverable)	18540299	NA	1100	886.203424	50		40.28197382
COPPER (limits are total recoverable)	7440508	NA	4.8	4.626506024	3.1		2.987951807
CYANIDE	57125		1	0.80	1	140	0.8
LEAD (limits are total recoverable)	7439921	NA	210	176.6561514	8.1		6.813880126
MERCURY (limits are total recoverable)	7439976	NA	1.8	1.694117647	0.94	0.15	0.12
NICKEL (limits are total recoverable)	7440020	NA	74	59.7979798	8.2	4600	6.626262626
SELENIUM (limits are total recoverable)	7782492	NA	290	232.4649299	71	4200	56.91382766
SILVER (limits are total recoverable)	7440224	NA	1.9	1.788235294			No Criteria
THALLIUM	7440280			No Criteria		0.47	0.376
ZINC (limits are total recoverable)	7440666	NA	90	76.10993658	81	26000	68.49894292
<b>VOLATILE ORGANIC COMPOUNDS</b>							
ACROLEIN	107028			No Criteria		290	232
ACRYLONITRILE	107131			No Criteria		2.5	2
BENZENE	71432			No Criteria		510	408
BROMOFORM	75252			No Criteria		1400	1120
CARBON TETRACHLORIDE	56235			No Criteria		16	12.8
CHLOROBENZENE	108907			No Criteria		1600	1280
CHLORODIBROMOMETHANE	124481			No Criteria		130	104
CHLOROFORM	67663			No Criteria		4700	3760
DICHLOROBROMOMETHANE	75274			No Criteria		170	136
1,2DICHLOROETHANE	107062			No Criteria		370	296
1,1DICHLOROETHYLENE	75354			No Criteria		7100	5680
1,2DICHLOROPROPANE	78875			No Criteria		150	120
1,3DICHLOROPROPYLENE	542756			No Criteria		21	16.8
ETHYLBENZENE	100414			No Criteria		2100	1680
BROMOMETHANE (methyl bromide)	74839			No Criteria		1500	1200
CHLOROMETHANE (methyl chloride)	74873			No Criteria			No Criteria
METHYLENE CHLORIDE	75092			No Criteria		5900	4720

## CALCULATION OF WATER QUALITY BASED SALTWATER DISCHARGE LIMITS

FACILITY NAME: Remediation General Permit RIPDES PERMIT #: DF=1

NOTE: METALS CRITERIA ARE DISSOLVED, METALS LIMITS ARE TOTAL; AMMONIA CRITERIA AND LIMITS HAVE BEEN CONVERTED TO ug/l N.

CHEMICAL NAME	CAS #	BACKGROUND CONCENTRATION (ug/L)	SALTWATER CRITERIA ACUTE (ug/L)	DAILY MAX LIMIT (ug/L)	SALTWATER CRITERIA CHRONIC (ug/L)	HUMAN HEALTH NON-CLASS A CRITERIA (ug/L)	MONTHLY AVE LIMIT (ug/L)
1,1,2,2TETRACHLOROETHANE	79345			No Criteria		40	32
TETRACHLOROETHYLENE	127184			No Criteria		33	26.4
TOLUENE	108883			No Criteria		15000	12000
1,2TRANS-DICHLOROETHYLENE	156605			No Criteria		10000	8000
1,1,1TRICHLOROETHANE	71556			No Criteria			No Criteria
1,1,2TRICHLOROETHANE	79005			No Criteria		160	128
TRICHLOROETHYLENE	79016			No Criteria		300	240
VINYL CHLORIDE	75014			No Criteria		2.4	1.92
ACID ORGANIC COMPOUNDS							
2CHLOROPHENOL	95578			No Criteria		150	120
2,4DICHLOROPHENOL	120832			No Criteria		290	232
2,4DIMETHYLPHENOL	105679			No Criteria		850	680
4,6DINITRO-2-METHYL PHENOL	534521			No Criteria		280	224
2,4DINITROPHENOL	51285			No Criteria		5300	4240
4-NITROPHENOL	88755			No Criteria			No Criteria
PENTACHLOROPHENOL	87865		13	10.4	7.9	30	6.32
PHENOL	108952			No Criteria		1700000	1360000
2,4,6-TRICHLOROPHENOL	88062			No Criteria		24	19.2
BASE NEUTRAL COMPOUNDS							
ACENAPHTHENE	83329			No Criteria		990	792
ANTHRACENE	120127			No Criteria		40000	32000
BENZIDINE	92875			No Criteria		0.002	0.0016
POLYCYCLIC AROMATIC HYDROCARBONS							
BIS(2-CHLOROETHYL)ETHER	111444			No Criteria		0.18	0.144
BIS(2-CHLOROISOPROPYL)ETHER	108601			No Criteria		5.3	4.24
BIS(2-ETHYLHEXYL)PHTHALATE	117817			No Criteria		65000	52000
BUTYL BENZYL PHTHALATE	85687			No Criteria		22	17.6
2-CHLORONAPHTHALENE	91587			No Criteria		1900	1520
1,2-DICHLOROBENZENE	95501			No Criteria		1600	1280
1,3-DICHLOROBENZENE	541731			No Criteria		1300	1040
1,4-DICHLOROBENZENE	106467			No Criteria		960	768
1,4-DICHLOROBENZENE	106467			No Criteria		190	152
3,3-DICHLOROBENZIDENE	91941			No Criteria		0.28	0.224
DIETHYL PHTHALATE	84662			No Criteria		44000	35200
DIMETHYL PHTHALATE	131113			No Criteria		1100000	880000
Di-n-BUTYL PHTHALATE	84742			No Criteria		4500	3600
2,4-DINITROTOLUENE	121142			No Criteria		34	27.2

## CALCULATION OF WATER QUALITY BASED SALTWATER DISCHARGE LIMITS

FACILITY NAME: Remediation General Permit RIPDES PERMIT #: DF=1

NOTE: METALS CRITERIA ARE DISSOLVED, METALS LIMITS ARE TOTAL; AMMONIA CRITERIA AND LIMITS HAVE BEEN CONVERTED TO ug/l N.

CHEMICAL NAME	CAS #	BACKGROUND CONCENTRATION (ug/L)	SALTWATER CRITERIA ACUTE (ug/L)	DAILY MAX LIMIT (ug/L)	SALTWATER CRITERIA CHRONIC (ug/L)	HUMAN HEALTH NON-CLASS A CRITERIA (ug/L)	MONTHLY AVE LIMIT (ug/L)
1,2DIPHENYLHYDRAZINE	122667			No Criteria		2	1.6
FLUORANTHENE	206440			No Criteria		140	112
FLUORENE	86737			No Criteria		5300	4240
HEXACHLOROBENZENE	118741			No Criteria		0.0029	0.00232
HEXACHLOROBUTADIENE	87683			No Criteria		180	144
HEXACHLOROCYCLOPENTADIENE	77474			No Criteria		1100	880
HEXACHLOROETHANE	67721			No Criteria		33	26.4
ISOPHORONE	78591			No Criteria		9600	7680
NAPHTHALENE	91203			No Criteria			No Criteria
NITROBENZENE	98953			No Criteria		690	552
NNITROSODIMETHYLAMINE	62759			No Criteria		30	24
NNITROSODINPROPYLAMINE	621647			No Criteria		5.1	4.08
NNITROSODIPHENYLAMINE	86306			No Criteria		60	48
PYRENE	129000			No Criteria		4000	3200
1,2,4trichlorobenzene	120821			No Criteria		70	56
PESTICIDES/PCBs							
ALDRIN	309002		1.3	1.04		0.0005	0.0004
Alpha BHC	319846			No Criteria		0.049	0.0392
Beta BHC	319857			No Criteria		0.17	0.136
Gamma BHC (Lindane)	58899		0.16	0.128		1.8	1.44
CHLORDANE	57749		0.09	0.072	0.004	0.0081	0.0032
4,4DDT	50293		0.13	0.104	0.001	0.0022	0.0008
4,4DDE	72559			No Criteria		0.0022	0.00176
4,4DDD	72548			No Criteria		0.0031	0.00248
DIELDRIN	60571		0.71	0.568	0.0019	0.00054	0.000432
ENDOSULFAN (alpha)	959988		0.034	0.0272	0.0087	89	0.00696
ENDOSULFAN (beta)	33213659		0.034	0.0272	0.0087	89	0.00696
ENDOSULFAN (sulfate)	1031078			No Criteria		89	71.2
ENDRIN	72208		0.037	0.0296	0.0023	0.06	0.00184
ENDRIN ALDEHYDE	7421934			No Criteria		0.3	0.24
HEPTACHLOR	76448		0.053	0.0424	0.0036	0.00079	0.000632
HEPTACHLOR EPOXIDE	1024573		0.053	0.0424	0.0036	0.00039	0.000312
POLYCHLORINATED BIPHENYLS3	1336363			No Criteria	0.03	0.00064	0.000512
2,3,7,8TCDD (Dioxin)	1746016			No Criteria		0.000000051	4.08E-08
TOXAPHENE	8001352		0.21	0.168	0.0002	0.0028	0.00016
TRIBUTYL TIN			0.42	0.336	0.0074		0.00592



**CALCULATION OF WATER QUALITY BASED SALTWATER DISCHARGE LIMITS**

FACILITY NAME: Remediation General Permit RIPDES PERMIT #: DF=1

NOTE: METALS CRITERIA ARE DISSOLVED, METALS LIMITS ARE TOTAL; AMMONIA CRITERIA AND LIMITS HAVE BEEN CONVERTED TO ug/l N.

CHEMICAL NAME	CAS #	BACKGROUND CONCENTRATION (ug/L)	SALTWATER CRITERIA ACUTE (ug/L)	DAILY MAX LIMIT (ug/L)	SALTWATER CRITERIA CHRONIC (ug/L)	HUMAN HEALTH NON-CLASS A CRITERIA (ug/L)	MONTHLY AVE LIMIT (ug/L)
<b>NON PRIORITY POLLUTANTS:</b>							
<b>OTHER SUBSTANCES</b>							
ALUMINUM (limits are total recoverable)	7429905	NA		No Criteria			No Criteria
AMMONIA as N (winter/summer)	7664417		4932   4110	3945.6   3288	739.8   616.5		591.84   493.2
4BROMOPHENYL PHENYL ETHER CHLORIDE	16887006			No Criteria			No Criteria
CHLORINE	7782505		13	13	7.5		7.5
4CHLORO2METHYLPHENOL				No Criteria			No Criteria
1CHLORONAPHTHALENE				No Criteria			No Criteria
4CHLOROPHENOL	106489			No Criteria			No Criteria
2,4DICHLORO6METHYLPHENOL				No Criteria			No Criteria
1,1DICHLOROPROPANE				No Criteria			No Criteria
1,3DICHLOROPROPANE	142289			No Criteria			No Criteria
2,3DINITROTOLUENE				No Criteria			No Criteria
2,4DINITRO6METHYL PHENOL				No Criteria			No Criteria
IRON	7439896			No Criteria			No Criteria
pentachlorobenzene	608935			No Criteria			No Criteria
PENTACHLOROETHANE				No Criteria			No Criteria
1,2,3,5tetrachlorobenzene				No Criteria			No Criteria
1,1,1,2TETRACHLOROETHANE	630206			No Criteria			No Criteria
2,3,4,6TETRACHLOROPHENOL	58902			No Criteria			No Criteria
2,3,5,6TETRACHLOROPHENOL				No Criteria			No Criteria
2,4,5TRICHLOROPHENOL	95954			No Criteria			No Criteria
2,4,6TRINITROPHENOL	88062			No Criteria			No Criteria
XYLENE	1330207			No Criteria			No Criteria

## CALCULATION OF WATER QUALITY BASED SALTWATER DISCHARGE LIMITS

FACILITY NAME: Remediation General Fund PERMIT #: DF=1

CHEMICAL NAME	CAS#	DAILY MAX LIMIT (ug/L)	MONTHLY AVE LIMIT (ug/L)
<b>PRIORITY POLLUTANTS:</b>			
<b>TOXIC METALS AND CYANIDE</b>			
ANTIMONY	7440360	No Criteria	512.00
ARSENIC, TOTAL	7440382	55.20	1.12
ASBESTOS	1332214	No Criteria	0.00
BERYLLIUM	7440417	No Criteria	0.00
CADMIUM, TOTAL	7440439	32.19	7.08
CHROMIUM III, TOTAL	16065831	No Criteria	0.00
CHROMIUM VI, TOTAL	18540299	886.20	40.28
COPPER, TOTAL	7440508	4.63	2.99
CYANIDE	57125	0.80	0.80
LEAD, TOTAL	7439921	176.66	6.81
MERCURY, TOTAL	7439976	1.69	0.12
NICKEL, TOTAL	7440020	59.80	6.63
SELENIUM, TOTAL	7782492	232.46	56.91
SILVER, TOTAL	7440224	1.79	1.79
THALLIUM	7440280	No Criteria	0.38
ZINC, TOTAL	7440666	76.11	68.50
<b>VOLATILE ORGANIC COMPOUNDS</b>			
ACROLEIN	107028	No Criteria	232.00
ACRYLONITRILE	107131	No Criteria	2.00
BENZENE	71432	No Criteria	408.00
BROMOFORM	75252	No Criteria	1120.00
CARBON TETRACHLORIDE	56235	No Criteria	12.80
CHLOROBENZENE	108907	No Criteria	1280.00
CHLORODIBROMOMETHANE	124481	No Criteria	104.00
CHLOROFORM	67663	No Criteria	3760.00
DICHLOROBROMOMETHANE	75274	No Criteria	136.00
1,2DICHLOROETHANE	107062	No Criteria	296.00
1,1DICHLOROETHYLENE	75354	No Criteria	5680.00
1,2DICHLOROPROPANE	78875	No Criteria	120.00
1,3DICHLOROPROPYLENE	542756	No Criteria	16.80
ETHYLBENZENE	100414	No Criteria	1680.00
BROMOMETHANE (methyl bromide)	74839	No Criteria	1200.00
CHLOROMETHANE (methyl chloride)	74873	No Criteria	0.00
METHYLENE CHLORIDE	75092	No Criteria	4720.00
1,1,2,2TETRACHLOROETHANE	79345	No Criteria	32.00

CHEMICAL NAME	CAS#	DAILY MAX LIMIT (ug/L)	MONTHLY AVE LIMIT (ug/L)
TETRACHLOROETHYLENE	127184	No Criteria	26.40
TOLUENE	108883	No Criteria	12000.00
1,2TRANS-DICHLOROETHYLENE	156605	No Criteria	8000.00
1,1,1TRICHLOROETHANE	71556	No Criteria	0.00
1,1,2TRICHLOROETHANE	79005	No Criteria	128.00
TRICHLOROETHYLENE	79016	No Criteria	240.00
VINYL CHLORIDE	75014	No Criteria	1.92
<b>ACID ORGANIC COMPOUNDS</b>			
2CHLOROPHENOL	95578	No Criteria	120.00
2,4DICHLOROPHENOL	120832	No Criteria	232.00
2,4DIMETHYLPHENOL	105679	No Criteria	680.00
4,6DINITRO-2METHYL PHENOL	534521	No Criteria	224.00
2,4DINITROPHENOL	51285	No Criteria	4240.00
4NITROPHENOL	88755	No Criteria	0.00
PENTACHLOROPHENOL	87865	10.40	6.32
PHENOL	108952	No Criteria	1360000.00
2,4,6TRICHLOROPHENOL	88062	No Criteria	19.20
<b>BASE NEUTRAL COMPOUNDS</b>			
ACENAPHTHENE	83329	No Criteria	792.00
ANTHRACENE	120127	No Criteria	32000.00
BENZIDINE	92875	No Criteria	0.00
PAHs		No Criteria	0.14
BIS(2CHLOROETHYL)ETHER	111444	No Criteria	4.24
BIS(2CHLOROISOPROPYL)ETHER	108601	No Criteria	52000.00
BIS(2ETHYLHEXYL)PHTHALATE	117817	No Criteria	17.60
BUTYL BENZYL PHTHALATE	85687	No Criteria	1520.00
2CHLORONAPHTHALENE	91587	No Criteria	1280.00
1,2DICHLOROBENZENE	95501	No Criteria	1040.00
1,3DICHLOROBENZENE	541731	No Criteria	768.00
1,4DICHLOROBENZENE	106467	No Criteria	152.00
3,3DICHLOROBENZIDENE	91941	No Criteria	0.22
DIETHYL PHTHALATE	84662	No Criteria	35200.00
DIMETHYL PHTHALATE	131113	No Criteria	880000.00
DI-n-BUTYL PHTHALATE	84742	No Criteria	3600.00
2,4DINITROTOLUENE	121142	No Criteria	27.20
1,2DIPHENYLHYDRAZINE	122667	No Criteria	1.60
FLUORANTHENE	206440	No Criteria	112.00

**CALCULATION OF WATER QUALITY BASED SALTWATER DISCHARGE LIMITS**  
**FACILITY NAME: Remediation General Fund PERMIT #: DF=1**

CHEMICAL NAME	CAS#	DAILY MAX LIMIT (ug/L)	MONTHLY AVE LIMIT (ug/L)
FLUORENE	86737	No Criteria	4240.00
HEXACHLOROBENZENE	118741	No Criteria	0.00
HEXACHLOROBUTADIENE	87683	No Criteria	144.00
HEXACHLOROCYCLOPENTADIENE	77474	No Criteria	880.00
HEXACHLOROETHANE	67721	No Criteria	26.40
ISOPHORONE	78591	No Criteria	7680.00
NAPHTHALENE	91203	No Criteria	0.00
NITROBENZENE	98953	No Criteria	552.00
N-NITROSODIMETHYLAMINE	62759	No Criteria	24.00
N-NITROSODI-N-PROPYLAMINE	621647	No Criteria	4.08
N-NITROSODIPHENYLAMINE	86306	No Criteria	48.00
PYRENE	129000	No Criteria	3200.00
1,2,4trichlorobenzene	120821	No Criteria	56.00
<b>PESTICIDES/PCBs</b>			
ALDRIN	309002	1.04	0.00
Alpha BHC	319846	No Criteria	0.04
Beta BHC	319857	No Criteria	0.14
Gamma BHC (Lindane)	58899	0.13	0.13
CHLORDANE	57749	0.07	0.00
4,4DDT	50293	0.10	0.00
4,4DDE	72559	No Criteria	0.00
4,4DDD	72548	No Criteria	0.00
DIELDRIN	60571	0.57	0.00
ENDOSULFAN (alpha)	959988	0.03	0.01
ENDOSULFAN (beta)	33213659	0.03	0.01
ENDOSULFAN (sulfate)	1031078	No Criteria	71.20
ENDRIN	72208	0.03	0.00
ENDRIN ALDEHYDE	7421934	No Criteria	0.24
HEPTACHLOR	76448	0.04	0.00
HEPTACHLOR EPOXIDE	1024573	0.04	0.00
POLYCHLORINATED BIPHENYLS3	1336363	No Criteria	0.00
2,3,7,8TCDD (Dioxin)	1746016	No Criteria	0.000000
TOXAPHENE	8001352	0.17	0.00
TRIBUTYLTIN		0.34	0.01

CHEMICAL NAME	CAS#	DAILY MAX LIMIT (ug/L)	MONTHLY AVE LIMIT (ug/L)
<b>NON PRIORITY POLLUTANTS:</b>			
<b>OTHER SUBSTANCES</b>			
ALUMINUM, TOTAL	7429905	No Criteria	0.00
AMMONIA (as N), WINTER (NOV-APR)	7664417	3945.60	591.84
AMMONIA (as N), SUMMER (MAY-OC)	7664417	3288.00	493.20
4BROMOPHENYL PHENYL ETHER		No Criteria	0.00
CHLORIDE	16887006	No Criteria	0.00
CHLORINE	7782505	13.00	7.50
4CHLORO2METHYLPHENOL		No Criteria	0.00
1CHLORONAPHTHALENE		No Criteria	0.00
4CHLOROPHENOL	106489	No Criteria	0.00
2,4DICHLORO6METHYLPHENOL		No Criteria	0.00
1,1DICHLOROPROPANE		No Criteria	0.00
1,3DICHLOROPROPANE	142289	No Criteria	0.00
2,3DINITROTOLUENE		No Criteria	0.00
2,4DINITRO6METHYL PHENOL		No Criteria	0.00
IRON	7439896	No Criteria	0.00
pentachlorobenzene	608935	No Criteria	0.00
PENTACHLOROETHANE		No Criteria	0.00
1,2,3,5tetrachlorobenzene		No Criteria	0.00
1,1,1,2TETRACHLOROETHANE	630206	No Criteria	0.00
2,3,4,6TETRACHLOROPHENOL	58902	No Criteria	0.00
2,3,5,6TETRACHLOROPHENOL		No Criteria	0.00
2,4,5TRICHLOROPHENOL	95954	No Criteria	0.00
2,4,6TRINITROPHENOL	88062	No Criteria	0.00
XYLENE	1330207	No Criteria	0.00

**Appendix A.4**  
**Metals Limitations**

**RIDEM RIPDES Remediation General Permit Development 2024**

<b>Allowable Freshwater Metals Limits</b>								
Dilution Range	<b>&lt;5</b>							
Water Body Class	Class AA FW				Non Class AA FW			
Limit Type	2024 RGP Monthly Avg. Limit	Source of Proposed Limit	2024 RGP Daily Max Limit	Source of Proposed Limit	2024 RGP Monthly Avg. Limit	Source of Proposed Limit	2024 RGP Daily Max Limit	Source of Proposed Limit
<b>Antimony</b>	4.48	RI WQ	206	EPA TBEL	8	RI WQ	206	EPA TBEL
<b>Arsenic</b>	0.14	RI WQ	104	EPA TBEL	1.12	RI WQ	104	EPA TBEL
<b>Cadmium</b>	0.08	RI WQ	0.42	RI WQ	0.08	RI WQ	0.42	RI WQ
<b>Chromium III</b>	22.15	RI WQ	323	EPA TBEL	22.15	RI WQ	323	EPA TBEL
<b>Chromium IV</b>	9.15	RI WQ	13.03	RI WQ	9.15	RI WQ	13.03	RI WQ
<b>Copper</b>	2.28	RI WQ	3.03	RI WQ	2.28	RI WQ	3.03	RI WQ
<b>Lead</b>	0.44	RI WQ	11.18	RI WQ	0.44	RI WQ	11.18	RI WQ
<b>Mercury</b>	0.13	RI WQ	0.739	EPA TBEL	0.14	RI WQ	0.739	EPA TBEL
<b>Nickel</b>	12.92	RI WQ	116.17	RI WQ	12.92	RI WQ	116.17	RI WQ
<b>Selenium</b>	4	RI WQ	16	RI WQ	4	RI WQ	16	RI WQ
<b>Silver</b>	---	ANTI DEG	0.3	RI WQ	---	ANTI DEG	0.3	RI WQ
<b>Zinc</b>	29.61	RI WQ	29.61	RI WQ	29.61	RI WQ	29.61	RI WQ
<b>Iron</b>	240	RI WQ	5000	EPA TBEL	800	RI WQ	5000	EPA TBEL

<b>Allowable Freshwater Metals Limits</b>								
Dilution Range	<b>5-10</b>							
Water Body Class	Class AA FW				Non Class AA FW			
Limit Type	Proposed 2024 RGP Monthly Avg. Limit	Source of Proposed Limit	Proposed 2024 RGP Daily Max Limit	Source of Proposed Limit	Proposed 2024 RGP Monthly Avg. Limit	Source of Proposed Limit	Proposed 2024 RGP Daily Max Limit	Source of Proposed Limit
<b>Antimony</b>	22.4	RI WQ	206	EPA TBEL	40	RI WQ	206	EPA TBEL
<b>Arsenic</b>	0.7	RI WQ	104	EPA TBEL	5.6	RI WQ	104	EPA TBEL
<b>Cadmium</b>	0.4	RI WQ	2.1	RI WQ	0.4	RI WQ	2.1	RI WQ
<b>Chromium III</b>	110.75	RI WQ	323	EPA TBEL	110.75	RI WQ	323	EPA TBEL
<b>Chromium IV</b>	45.75	RI WQ	65.15	RI WQ	45.75	RI WQ	65.15	RI WQ
<b>Copper</b>	11.4	RI WQ	15.15	RI WQ	11.4	RI WQ	15.15	RI WQ
<b>Lead</b>	2.2	RI WQ	55.9	RI WQ	2.2	RI WQ	55.9	RI WQ
<b>Mercury</b>	0.65	RI WQ	0.739	EPA TBEL	0.7	RI WQ	0.739	EPA TBEL
<b>Nickel</b>	64.6	RI WQ	580.85	RI WQ	64.6	RI WQ	580.85	RI WQ
<b>Selenium</b>	20	RI WQ	80	RI WQ	20	RI WQ	80	RI WQ
<b>Silver</b>	---	ANTI DEG	1.5	RI WQ	---	ANTI DEG	1.5	RI WQ

<b>Zinc</b>	148.05	RI WQ	148.05	RI WQ	148.05	RI WQ	148.05	RI WQ
<b>Iron</b>	1200	RI WQ	5000	EPA TBEL	4000	RI WQ	5000	EPA TBEL

<b>Allowable Freshwater Metals Limits</b>								
Dilution Range	<b>10-20</b>							
Water Body Class	Class AA FW				Non Class AA FW			
Limit Type	Proposed 2024 RGP Monthly Avg. Limit	Source of Proposed Limit	Proposed 2024 RGP Daily Max Limit	Source of Proposed Limit	Proposed 2024 RGP Monthly Avg. Limit	Source of Proposed Limit	Proposed 2024 RGP Daily Max Limit	Source
<b>Antimony</b>	44.8	RI WQ	206	EPA TBEL	80	RI WQ	206	EPA TBEL
<b>Arsenic</b>	1.4	RI WQ	104	EPA TBEL	11.2	RI WQ	104	EPA TBEL
<b>Cadmium</b>	0.8	RI WQ	4.2	RI WQ	0.8	RI WQ	4.2	RI WQ
<b>Chromium III</b>	221.5	RI WQ	323	EPA TBEL	221.5	RI WQ	323	EPA TBEL
<b>Chromium IV</b>	91.5	RI WQ	130.3	RI WQ	91.5	RI WQ	130.3	RI WQ
<b>Copper</b>	22.8	RI WQ	30.3	RI WQ	22.8	RI WQ	30.3	RI WQ
<b>Lead</b>	4.4	RI WQ	111.8	RI WQ	4.4	RI WQ	111.8	RI WQ
<b>Mercury</b>	0.739	EPA TBEL	0.739	EPA TBEL	0.739	EPA TBEL	0.739	EPA TBEL
<b>Nickel</b>	129.2	RI WQ	1161.7	RI WQ	129.2	RI WQ	1161.7	RI WQ
<b>Selenium</b>	40	RI WQ	160	RI WQ	40	RI WQ	160	RI WQ
<b>Silver</b>	---	ANTI DEG	3	RI WQ	---	ANTI DEG	3	RI WQ
<b>Zinc</b>	296.1	RI WQ	296.1	RI WQ	296.1	RI WQ	296.1	RI WQ
<b>Iron</b>	2400	RI WQ	5000	EPA TBEL	5000	EPA TBEL	5000	EPA TBEL

<b>Allowable Freshwater Metals Limits</b>								
Dilution Range	<b>20-40</b>							
Water Body Class	Class AA FW				Non Class AA FW			
Limit Type	Proposed 2024 RGP Monthly Avg. Limit	Source of Proposed Limit	Proposed 2024 RGP Daily Max Limit	Source of Proposed Limit	Proposed 2024 RGP Monthly Avg. Limit	Source of Proposed Limit	Proposed 2024 RGP Daily Max Limit	Source of Proposed Limit
<b>Antimony</b>	89.6	RI WQ	206	EPA TBEL	160	RI WQ	206	EPA TBEL
<b>Arsenic</b>	2.8	RI WQ	104	EPA TBEL	22.4	RI WQ	104	EPA TBEL
<b>Cadmium</b>	1.6	RI WQ	8.4	RI WQ	1.6	RI WQ	8.4	RI WQ
<b>Chromium III</b>	323	EPA TBEL	323	EPA TBEL	323	EPA TBEL	323	EPA TBEL
<b>Chromium IV</b>	183	RI WQ	260.6	RI WQ	183	RI WQ	260.6	RI WQ
<b>Copper</b>	45.6	RI WQ	60.6	RI WQ	45.6	RI WQ	60.6	RI WQ
<b>Lead</b>	8.8	RI WQ	160	EPA TBEL	8.8	RI WQ	160	EPA TBEL
<b>Mercury</b>	0.739	EPA TBEL	0.739	EPA TBEL	0.739	EPA TBEL	0.739	EPA TBEL
<b>Nickel</b>	258.4	RI WQ	1450	EPA TBEL	258.4	RI WQ	1450	EPA TBEL

<b>Selenium</b>	80	RI WQ	235.8	EPA TBEL	80	RI WQ	235.8	EPA TBEL
<b>Silver</b>	---	ANTI DEG	6	RI WQ	---	ANTI DEG	6	RI WQ
<b>Zinc</b>	420	EPA TBEL	420	EPA TBEL	420	EPA TBEL	420	EPA TBEL
<b>Iron</b>	4800	RI WQ	5000	EPA TBEL	5000	EPA TBEL	5000	EPA TBEL

<b>Allowable Freshwater Metals Limits</b>								
Dilution Range	<b>40-60</b>							
Water Body Class	Class AA FW				Non Class AA FW			
Limit Type	Proposed 2024 RGP Monthly Avg. Limit	Source of Proposed Limit	Proposed 2024 RGP Daily Max Limit	Source of Proposed Limit	Proposed 2024 RGP Monthly Avg. Limit	Source of Proposed Limit	Proposed 2024 RGP Daily Max Limit	Source of Proposed Limit
<b>Antimony</b>	179.2	RI WQ	206	EPA TBEL	206	EPA TBEL	206	EPA TBEL
<b>Arsenic</b>	5.6	RI WQ	104	EPA TBEL	44.8	RI WQ	104	EPA TBEL
<b>Cadmium</b>	3.2	RI WQ	10.2	EPA TBEL	3.2	RI WQ	10.2	EPA TBEL
<b>Chromium III</b>	323	EPA TBEL	323	EPA TBEL	323	EPA TBEL	323	EPA TBEL
<b>Chromium IV</b>	323	EPA TBEL	323	EPA TBEL	323	EPA TBEL	323	EPA TBEL
<b>Copper</b>	91.2	RI WQ	121.2	RI WQ	91.2	RI WQ	121.2	RI WQ
<b>Lead</b>	17.6	RI WQ	160	EPA TBEL	17.6	RI WQ	160	EPA TBEL
<b>Mercury</b>	0.739	EPA TBEL	0.739	EPA TBEL	0.739	EPA TBEL	0.739	EPA TBEL
<b>Nickel</b>	516.8	RI WQ	1450	EPA TBEL	516.8	RI WQ	1450	EPA TBEL
<b>Selenium</b>	160	RI WQ	235.8	EPA TBEL	160	RI WQ	235.8	EPA TBEL
<b>Silver</b>	---	ANTI DEG	12	RI WQ	---	ANTI DEG	12	RI WQ
<b>Zinc</b>	420	EPA TBEL	420	EPA TBEL	420	EPA TBEL	420	EPA TBEL
<b>Iron</b>	5000	EPA TBEL	5000	EPA TBEL	5000	EPA TBEL	5000	EPA TBEL

<b>Allowable Freshwater Metals Limits</b>								
Dilution Range	<b>&gt; or = 60</b>							
Water Body Class	Class AA FW				Non Class AA FW			
Limit Type	Proposed 2024 RGP Monthly Avg. Limit	Source of Proposed Limit	Proposed 2024 RGP Daily Max Limit	Source of Proposed Limit	Proposed 2024 RGP Monthly Avg. Limit	Source of Proposed Limit	Proposed 2024 RGP Daily Max Limit	Source of Proposed Limit
<b>Antimony</b>	206	EPA TBEL	206	EPA TBEL	206	EPA TBEL	206	EPA TBEL
<b>Arsenic</b>	8.4	RI WQ	104	EPA TBEL	67.2	RI WQ	104	EPA TBEL
<b>Cadmium</b>	4.8	RI WQ	10.2	EPA TBEL	4.8	RI WQ	10.2	EPA TBEL
<b>Chromium III</b>	323	EPA TBEL	323	EPA TBEL	323	EPA TBEL	323	EPA TBEL
<b>Chromium IV</b>	323	EPA TBEL	323	EPA TBEL	323	EPA TBEL	323	EPA TBEL
<b>Copper</b>	136.8	RI WQ	181.8	RI WQ	136.8	RI WQ	181.8	RI WQ
<b>Lead</b>	26.4	RI WQ	160	EPA TBEL	26.4	RI WQ	160	EPA TBEL

<b>Mercury</b>	0.739	EPA TBEL	0.739	EPA TBEL	0.739	EPA TBEL	0.739	EPA TBEL
<b>Nickel</b>	775.2	RI WQ	1450	EPA TBEL	775.2	RI WQ	1450	EPA TBEL
<b>Selenium</b>	235.8	EPA TBEL	235.8	EPA TBEL	235.8	EPA TBEL	235.8	EPA TBEL
<b>Silver</b>	---	ANTI DEG	18	RI WQ	---	ANTI DEG	18	RI WQ
<b>Zinc</b>	420	EPA TBEL	420	EPA TBEL	420	EPA TBEL	420	EPA TBEL
<b>Iron</b>	5000	EPA TBEL	5000	EPA TBEL	5000	EPA TBEL	5000	EPA TBEL

\* All values are in ug/l.

\*\* All values are based on no background data, hardness = 25, and the more stringent of either the RI WQ Standards or EPA TBELs.

--- = monitor only, no limits