



FACTSHEET
(pursuant to NAC 445A.236)

Permittee Name: REPUBLIC DUMPCO, INC.
13550 NORTH US HIGHWAY 93
LAS VEGAS, NV 37214

Permit Number: NS0093011

Permit Type: GROUNDWATER DISCHARGE

Designation: GROUNDWATER

New/Existing: EXISTING

Location: APEX REGIONAL LANDFILL, CLARK
13550 N U.S. HIGHWAY 93, LAS VEGAS, NV 89165
LATITUDE: 36.3875, LONGITUDE: -114.870556
TOWNSHIP: 18 S, RANGE: 64 E, SECTION: 18, 19, 20

| Outfall / Well Num | Outfall / Well Name | Location Type | Well Log Num | Latitude | Longitude | Receiving Water |
|--------------------|--|------------------|--------------|-----------|-------------|-----------------|
| 001 | SCALE HOUSE SEPTIC TANK (1,000-GAL) | Intake Structure | | 36.3826 | -114.8886 | GROUNDWATER |
| 002 | SCALE HOUSE LEACH FIELD (1,000-GAL) | External Outfall | | 36.3826 | -114.8886 | GROUNDWATER |
| 003 | MAINTENANCE BUILDING SEPTIC TANK (2,500-GAL) | Internal Outfall | | 36.3829 | -114.8748 | GROUNDWATER |
| 004 | MAINTENANCE BUILDING LEACH FIELD (2,250-GAL) | External Outfall | | 36.3829 | -114.8748 | GROUNDWATER |
| 005 | MAINTENANCE BUILDING TRUCK WASH HOLDING TANK (5,000-GAL) | External Outfall | | 36.3832 | -114.8740 | N/A |
| 006 | HOLDING TANKS (45,000-GAL TOTAL) | External Outfall | | 36.3835 | -114.8762 | N/A |
| 007 | LIQUID WASTE SOLIDIFICATION AREA | External Outfall | | 36.3694 | -114.8704 | N/A |
| MW5 | MONITORING WELL MW5 | Monitoring Well | | 36.3929 | -114.8699 | N/A |
| P01 | LEACHATE POND 11 | External Outfall | | 36.3883 | -114.8683 | N/A |
| P02 | LEACHATE POND 11.5 | External Outfall | | 36.3868 | -114.8697 | N/A |
| P03 | LEACHATE POND 12 | External Outfall | | 36.3682 | -114.8697 | N/A |
| P04 | LEACHATE POND 13 | External Outfall | | 36.3673 | -114.8691 | N/A |
| P05 | LEACHATE POND 14 | External Outfall | | 36.3883 | -114.8694 | N/A |
| P06 | LEACHATE POND 15 | External Outfall | | 36.3873 | -114.8710 | N/A |
| P07 | LEACHATE POND 16 | External Outfall | | 36.3864 | -114.8727 | N/A |
| P08 | LEACHATE POND 17 | External Outfall | | 36.375888 | -114.854089 | N/A |
| P09 | LEACHATE POND 18 | External Outfall | | 36.367738 | -114.872840 | N/A |
| P10 | FIRE POND | External Outfall | | 36.3851 | -114.8724 | N/A |

Permit History/Description of Proposed Action

The Permittee, Republic Dumpco, Inc., has applied for the renewal of groundwater discharge permit NS0093011, for the Apex Regional Landfill, and affiliated facilities, located at 13550 North U.S. Highway 93, in Las Vegas, Nevada.

This permit was first issued as a temporary permit, TNEV93011, on November 15, 1993, and remained active until the individual groundwater permit, NS0093011 (formerly NEV93011) was issued on September 15, 1995. The last renewal was issued on October 5, 2015, and expired on October 4, 2020; the permit has been administratively continued since.

Facility Overview

The Permittee currently holds three (3) separate groundwater discharge permits for different features / facilities located at the landfill. To aid in the operation, reporting, and compliance of all permitted features / facilities the three (3) permits are being combined into one (1) under individual groundwater discharge permit NS0093011. Below is an overview of each permit and its respective features / facilities.

NS2011510

The individual groundwater discharge permit, NS2011510, provided permit coverage for two (2) 22,500-gallon holding tanks. These tanks collect and temporarily store leachate and landfill process water, including condensate, associated with the landfill gas collection and control system. Previously, leachate was applied to the lined portion of the landfill for use as dust control; however, that practice is no longer used. Now, the leachate is discharged to the lined evaporation ponds (discussed below) located to the north and south (and eventually to the east) of the facility.

NS0095010

The individual groundwater discharge permit, NS0095010 (formerly NEV95010), provided permit coverage for two (2) onsite septic disposal systems (OSDSs), a sand-oil separator, and a holding tank. These features are associated with a Scale House and a Maintenance Building. The septic tank for the Scale House has a volume of 1,000-gallons and the leach field is sized for a flow of 1,000 gallons per day (gpd). The septic tank for the Maintenance Building has a volume of 2,500-gallons and the leach field is sized for a flow of 2,250 gpd. Pumping of the septic tanks is contracted by a third-party operator and is hauled offsite or discharged to the liquid solidification pits.

The Maintenance Building includes a 2,000-gallon sand-oil separator and a 5,000-gallon holding tank. The sand-oil separator and holding tank were installed to treat and store wastewater resulting from washing vehicles and the floor in the Maintenance Building as well as waste streams originating from a drinking water treatment system that uses filtration, ion exchange (water softening), and reverse osmosis as treatment. Water stored in the holding tank was then dispersed to water trucks and used for dust suppression on the landfill. Now, the waste streams from the drinking water treatment system are discharged to the Fire Pond. Furthermore, the water stored in the holding tank from washing vehicles and floor washdown is discharged to lined evaporation ponds (discussed below).

NS0093011

The individual groundwater discharge permit, NS0093011, provided permit coverage for the Apex Bioremediation Facility. Previously, the facility included eleven (11) treatment cells that were double lined (60-mil primary and 30-mil secondary) with a high-density polyethylene (HDPE) liner that included a leak detection system. The liner was topped with five (5) feet of compacted soil. Non-hazardous petroleum contaminated soils as well as liquids were formerly treated in the cells. The treatment at the time was soil land-farming, wherein soils and liquids contaminated with total petroleum hydrocarbons (TPH), supplemental nutrients (e.g., nitrogen, phosphorus, and potassium), supplemental bacterial cultures (i.e., enzymes), moisture, and a carbon source (e.g., straw or wood chips) were blended and mixed periodically (i.e., windrowing) until the TPH level was degraded to a regulatory level. The treated soil was then removed and used as cover at the landfill. Beginning in 2018, the facility removed the eleven (11) treatment cells and constructed five (5) evaporation ponds identified as Pond 11, Pond 11.5, Pond 14, Pond 15, and Pond 16. Each pond is double lined with a 60-mil primary and a 60-mil secondary geomembrane liner which includes a leak detection system. Non-hazardous petroleum contaminated soils and liquids are still accepted; however, contaminated soil is disposed of in the landfill immediately following arrival at the Scale House and contaminated liquid is discharged to the Liquid Waste Solidification Area (discussed below).

The Bioremediation Facility also includes a Liquid Waste Solidification Area. This area previously included a borrow area where non-hazardous, non-petroleum, based liquids (e.g., domestic septage, grease trap

waste, etc.) were absorbed and blended into surface soils until free liquids were no longer present; the final product was then disposed of or used as cover at the landfill. This area is now comprised of four (4) concrete lined pits. The pits are twelve (12) feet deep and are surrounded by guardrails to prevent vehicles / equipment from accidentally falling in. Solidification of non-hazardous, non-petroleum (e.g., domestic septage, grease trap waste, etc.) and petroleum contaminated liquids is now done in the concrete lined pits. Once the liquid in the pits can pass a paint filter test, it is applied to the working face of the landfill for disposal.

The last feature covered under this permit is Monitoring Well 5 (MW5). The well is located approximately 1.5 miles north of the Liquid Waste Solidification Area and is down gradient of the lined evaporation ponds. The well not only serves as a monitoring well but also as a standard commercial well.

New/Unpermitted Features Previously Not Covered Under a Permit

As mentioned above, ponds 11, 11.5, 14, 15, and 16 were constructed in place of the former treatment cells located at the Apex Bioremediation Facility. The design of the ponds were reviewed and approved by the Bureau of Water Pollution Control (BWPC); however, the individual groundwater discharge permit, NS0093011, was never modified to include these new features. They are being added during this renewal cycle.

Two other ponds were reviewed and approved by the BWPC and later constructed, Pond 12 and Pond 13, but never added to an existing permit. These ponds are located just to the south of the Liquid Waste Solidification Area and are double lined. They are being added to the permit during this renewal cycle.

The BWPC has recently reviewed and approved the design of an additional pond, Pond 17. A ninth pond, Pond 18, is proposed but the design has not been submitted to the BWPC for review yet. Both ponds are included in this permit during the renewal cycle.

Finally, the lined Fire Pond, located to the south of Pond 16, is also being added to this permit.

Features Being Removed from Permit Coverage

As mentioned above, the eleven (11) treatment cells located at the Bioremediation Facility were replaced with lined evaporation ponds. As these cells no longer exist, they are being removed from the permit (formerly Outfall 001 in NS0093011).

Previously stated above, the Liquid Waste Solidification Area included a borrow area where non-hazardous, non-petroleum, based liquids (e.g., domestic septage) were absorbed and blended into surface soils until free liquids were no longer present; the final product was then disposed of or used as cover at the landfill. As this area is now comprised of four (4) concrete lined pits, the former borrow feature is being removed from the permit (formerly Outfall 002 in NS0093011).

Finally, the leachate collected in the two (2) 22,500-gallon holding tanks was previously applied to the landfill for use as dust control; however, that practice is no longer used. Now, the leachate is discharged to the lined evaporation ponds. Therefore, the previous outfall for land application of leachate is being removed from the permit (formerly Outfall 001 in NS2011510).

Other

During an inspection conducted in June of 2023, it was noted that the Bioremediation Facility includes a 450-gallon holding tank. Due to its size (> 3,000-gallons), the Southern Nevada Health District permits this feature (permit #LF001/002-G3X-01).

Outfall Summary

Outfall 001 – This outfall is for the septic tank located at the Scale House.

Outfall 002 - This outfall is for the leach field located at the Scale House.

Outfall 003 – This outfall is for the septic tank located at the Maintenance Building.

Outfall 004 - This outfall is for the leach field located at the Maintenance Building.

Outfall 005 – This outfall is for the 5,000-gallon holding tank located at the Maintenance Building which collects waste from truck washing and floor washdown activities.

Outfall 006 - This outfall is for the two (2) 22,500-gallon holding tanks that collect leachate from the landfill.

Outfall 007 – This outfall is for the Liquid Waste Solidification Area.

Outfall MW5 – This outfall is for Monitoring Well 5.

Outfall P01 – This outfall is for Pond 11.

Outfall P02 – This outfall is for Pond 11.5.

Outfall P03 – This outfall is for Pond 12.

Outfall P04 – This outfall is for Pond 13.

Outfall P05 – This outfall is for Pond 14.

Outfall P06 – This outfall is for Pond 15.

Outfall P07 – This outfall is for Pond 16.

Outfall P08 – This outfall is for Pond 17.

Outfall P09 – This outfall is for Pond 18.

Outfall P10 – This outfall is for the Fire Pond.

Effluent Characterization

The discharge consists of 1) non-hazardous and non-petroleum based liquid (e.g., domestic septage, grease trap waste, etc.), 2) petroleum contaminated liquids, 3) petroleum contaminated soil, 4) leachate, 5) landfill process water, 6) waste from truck washing and floor washdown activities, 7) waste streams from the drinking water treatment system, and 8) domestic septage from onsite sewage disposal systems (i.e., septic tanks and leach fields).

Nevada State Network Discharge Monitoring Report (NetDMR) data, as reported from the year 2019 to 2023, was reviewed as part of this permit renewal process.

The long-term average for the daily maximum flow rate for the Liquid Waste Solidification Area was 0.0026 million gallons per day (MGD). The permit limit for the daily maximum flow rate is 0.499 MGD; this limit was not exceeded during the reporting period from 2019 to 2023.

Volatile organic compounds (VOCs) and TPH were sampled for from Monitoring Well 5. All constituents came back as non-detect.

The combined long term monthly average flow from the OSDSs at the Scale House and the Maintenance Building was 0.002 MGD. Although the permit did not include a limit for the monthly average flow rate, the combined design capacities of the septic tanks is less than 0.05 MGD; the maximum reported combined flow was 0.012 MGD.

The long term daily maximum combined volume discharged from the two (2) 22,500-gallon holding tanks was 0.031 MGD. The permit limit for the daily maximum volume is 0.045 MGD; this limit was exceeded once during the reporting period from 2019 to 2023 with a reported value of 0.07 MGD.

Pollutants of Concern

Pollutants of concern are any pollutant, or parameter, that are believed to be present in the discharge and could affect or alter the physical, chemical, or biological conditions of the receiving water. A pollutant of concern for the aforementioned sites / features is TPH.

Receiving Water

The receiving water is groundwater of the State. Depth to groundwater in the area averages 478 feet below ground surface (bgs).

Compliance History

Although the Division reviewed and approved the construction plans for ponds 11, 11.5, 14, 15, and 16, they were not added as an outfall to any of the three (3) permits. Per Nevada Administrative Code (NAC) 445A.394.3, "New applications or requests for major modifications to existing permits must be submitted to the Department at least 165 days before the date on which the applicant wishes to initiate construction." By adding these ponds to the permit, the Permittee will obtain compliance with permit requirements and conditions.

Proposed Effluent Limitations

This permit does not regulate activities performed by the Permittee within the landfill managed areas. All bioremediation and solidification end product materials used for cover placement in the managed areas of the landfill must meet the permit criteria for such designated use as required by the Southern Nevada Health District.

The discharge shall be limited and monitored by the Permittee as specified below:

Groundwater Monitoring Wells Table for Sample Location Mw5 (Monitoring Well 5) To Be Reported Annually^[5]

| Parameter | Discharge Limitations | | | Monitoring Requirements | | | |
|---|-----------------------|---------------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Water level relative to mean sea level ^[3] | Annual Maximum | M&R Feet (ft) | | Groundwater | 005 | Annual | CALCTD |
| Hydrocarbons, total petroleum ^[4] | Annual Maximum | | M&R Milligrams per Liter (mg/L) | Groundwater | 005 | Annual | DISCRT |
| 1,1,1-Trichloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Groundwater | 005 | Annual | DISCRT |
| 1,1,2,2-Tetrachloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Groundwater | 005 | Annual | DISCRT |
| 1,1,2-Trichloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Groundwater | 005 | Annual | DISCRT |
| 1,1-Dichloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Groundwater | 005 | Annual | DISCRT |
| 1,1-Dichloroethylene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Groundwater | 005 | Annual | DISCRT |
| 1,2-Dichlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Groundwater | 005 | Annual | DISCRT |
| 1,2-Dichloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Groundwater | 005 | Annual | DISCRT |
| 1,2-Dichloropropane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Groundwater | 005 | Annual | DISCRT |
| 1,3-Dichlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Groundwater | 005 | Annual | DISCRT |
| 1,4-Dichlorobenzene | Daily Maximum | | M&R Micrograms per Liter | Groundwater | 005 | Annual | DISCRT |

Groundwater Monitoring Wells Table for Sample Location Mw5 (Monitoring Well 5) To Be Reported Annually^[5]

| Parameter | Discharge Limitations | | | Monitoring Requirements | | | |
|--|-----------------------|---------------|---------------------------------|-------------------------|------------|-----------------------|-----------------------|
| | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| | | | (ug/L) | | | | |
| Depth to water level ft below landsurface ^[1] | Annual Maximum | M&R Feet (ft) | | Groundwater | 005 | Annual | VISUAL ^[2] |
| 2-Chloroethyl vinyl ether, (mixed) | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Groundwater | 005 | Annual | DISCRT |
| Benzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Groundwater | 005 | Annual | DISCRT |
| Dichlorobromomethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Groundwater | 005 | Annual | DISCRT |
| Bromoform | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Groundwater | 005 | Annual | DISCRT |
| Methyl bromide (Bromomethane) | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Groundwater | 005 | Annual | DISCRT |
| Carbon tetrachloride | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Groundwater | 005 | Annual | DISCRT |
| Chlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Groundwater | 005 | Annual | DISCRT |
| Chloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Groundwater | 005 | Annual | DISCRT |
| Chloroform | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Groundwater | 005 | Annual | DISCRT |
| Methyl chloride (Chloromethane) | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Groundwater | 005 | Annual | DISCRT |
| | | | M&R | | | | |

Groundwater Monitoring Wells Table for Sample Location Mw5 (Monitoring Well 5) To Be Reported Annually^[5]

| Discharge Limitations | | | | Monitoring Requirements | | | |
|----------------------------|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| cis-1,3-Dichloropropene | Daily Maximum | | Micrograms per Liter (ug/L) | Groundwater | 005 | Annual | DISCRT |
| Dibromochloromethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Groundwater | 005 | Annual | DISCRT |
| Ethylbenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Groundwater | 005 | Annual | DISCRT |
| Methylene chloride | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Groundwater | 005 | Annual | DISCRT |
| Tetrachloroethylene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Groundwater | 005 | Annual | DISCRT |
| Toluene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Groundwater | 005 | Annual | DISCRT |
| trans-1,2-Dichloroethylene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Groundwater | 005 | Annual | DISCRT |
| trans-1,3-Dichloropropene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Groundwater | 005 | Annual | DISCRT |
| Trichloroethylene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Groundwater | 005 | Annual | DISCRT |
| Trichlorofluoromethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Groundwater | 005 | Annual | DISCRT |
| Vinyl chloride | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Groundwater | 005 | Annual | DISCRT |
| | | | M&R | | | | |

Groundwater Monitoring Wells Table for Sample Location Mw5 (Monitoring Well 5) To Be Reported Annually^[5]

| Discharge Limitations | | | | Monitoring Requirements | | | |
|-------------------------|---------------|----------|-----------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Methyl tert-butyl ether | Daily Maximum | | Micrograms per Liter (ug/L) | Groundwater | 005 | Annual | DISCRT |

Notes (Groundwater Monitoring Wells Table):

1. Depth to Groundwater (feet).
2. Field measurement.
3. Groundwater Elevation (feet above mean sea level).
4. EPA Method 8015B, full range, C6-C40.
5. Collected 4th quarter each year.

NS OTHER - Discharge Limitations Table for Sample Location 001 (Scale House Septic Tank (1,000-Gal)) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|---|------------------|--|---------------|---------------------------|------------|-----------------------|-----------------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Outfall observation, visual, y/n response | Positive Results | M&R Yes=0; No=1 (Y=0;N=1) ^[1] | | Internal Monitoring Point | 001 | Annual | VISUAL ^[2] |

Notes (NS OTHER - Discharge Limitations Table):

1. Report '0' as 'Yes' if the visual inspection of the septic tank was performed. Report '1' as 'No' if the visual inspection was not performed.
2. Visual inspections require: opening accessible covers, monitoring sludge and scum levels, and inspecting equipment. The sludge/solids depth must be measured annually. When the sludge/solids depth is 50% of the liquid depth, the tank must be pumped. At a minimum, the tank must be pumped once every three years.

NS OTHER - Discharge Limitations Table for Sample Location 002 (Scale House Leach Field (1,000-Gal))To Be Reported Quarterly

| Discharge Limitations | | | | Monitoring Requirements | | | |
|---|------------------|---|---------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Outfall observation, visual, y/n response | Positive Results | M&R Pass=0 Fail=1 (pass/fail) ^[1] | | See Footnote | 002 | Quarterly | VISUAL |

Notes (NS OTHER - Discharge Limitations Table):

1. Report '0' as 'Pass' if surfacing, damages, or leaks were not observed during the visual inspection of the leach field. Report '1' as 'Fail' if surfacing, damages, or leaks were observed during the visual inspection of the leach field.

NS OTHER - Discharge Limitations Table for Sample Location 003 (Maintenance Building Septic Tank (2,500-Gal)) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|---|------------------|--|---------------|---------------------------|------------|-----------------------|-----------------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Outfall observation, visual, y/n response | Positive Results | M&R Yes=0; No=1 (Y=0;N=1) ^[1] | | Internal Monitoring Point | 003 | Annual | VISUAL ^[2] |

Notes (NS OTHER - Discharge Limitations Table):

1. Report '0' as 'Yes' if the visual inspection of the septic tank was performed. Report '1' as 'No' if the visual inspection was not performed.
2. Visual inspections require: opening accessible covers, monitoring sludge and scum levels, and inspecting equipment. The sludge/solids depth must be measured annually. When the sludge/solids depth is 50% of the liquid depth, the tank must be pumped. At a minimum the tank must be pumped once every three years.

NS OTHER - Discharge Limitations Table for Sample Location 004 (Maintenance Building Leach Field (2,250-Gal)) To Be Reported Quarterly

| Discharge Limitations | | | | Monitoring Requirements | | | |
|---|------------------|---|---------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Outfall observation, visual, y/n response | Positive Results | M&R Pass=0 Fail=1 (pass/fail) ^[1] | | See Footnote | 004 | Quarterly | VISUAL |

Notes (NS OTHER - Discharge Limitations Table):

1. Report '0' as 'Pass' if surfacing, damages, or leaks were not observed during the visual inspection of the leach field. Report '1' as 'Fail' if surfacing, damages, or leaks were observed during the visual inspection of the leach field.

NS OTHER - Discharge Limitations Table for Sample Location 005 (Maintenance Building Truck Wash Holding Tank (5,000-Gal)) To Be Reported Monthly

| Discharge Limitations | | | | Monitoring Requirements | | | |
|-----------------------|---------------|---------------------------------|---------------|-------------------------|------------|------------------------|-----------------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Volume, total | Daily Maximum | <= 5000 Gallons per Day (gal/d) | | Effluent Gross | 005 | Daily When Discharging | CALCTD ^[1] |

Notes (NS OTHER - Discharge Limitations Table):

1. Volume of discharge from the tank shall be calculated via each truck load.

NS OTHER - Discharge Limitations Table for Sample Location 005 (Maintenance Building Truck Wash Holding Tank) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|-------------------------------|---------------|----------|---------------------------------|-------------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Hydrocarbons, total petroleum | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross ^[1] | 005 | Annual | DISCRT |

Notes (NS OTHER - Discharge Limitations Table):

1. A sample shall be taken from the tank prior to discharge to a lined evaporation pond.

NS OTHER - Discharge Limitations Table for Sample Location 006 (Holding Tanks (45,000-Gal Total)) To Be Reported Quarterly

| Discharge Limitations | | | | Monitoring Requirements | | | |
|-----------------------|---------------|----------------------------------|---------------|-------------------------|------------|------------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Volume, total | Daily Maximum | <= 45000 Gallons per Day (gal/d) | | Effluent Gross | 006 | Daily When Discharging | METER |

Ponds / Rapid Infiltration Basins for Sample Location 007 (Liquid Waste Solidification Area) To Be Reported Monthly^[1]

| Discharge Limitations | | | | Monitoring Requirements | | | |
|--|------------------|--|------------------------------------|-----------------------------|------------|-------------------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Area inspection visual ^[2] | Positive Results | M&R Pass=0 Fail=1 (pass/fail) | | See Footnote ^[2] | 007 | Weekly | VISUAL |
| Hydrocarbons, total petroleum ^[3] | Event Total | | M&R Milligrams per Liter (mg/L) | See Footnote ^[4] | 007 | Once Per Batch ^[4] | BATCH |

Notes (Ponds / Rapid Infiltration Basins):

1. In addition to the above parameters, the following is required to be monitored:
Free Liquids - limit M&R [conditions soil / each removal event / paint filter test].
2. Concrete pit area inspections.
3. Maximum TPH concentration in liquid waste.
4. Each load or profile record.

Ponds / Rapid Infiltration Basins for Sample Location P01 (Leachate Pond 11) To Be Reported Monthly

| Parameter | Discharge Limitations | | | Monitoring Requirements | | | |
|-----------------------------------|-----------------------|--|---------------|-----------------------------|------------|-----------------------|-----------------------|
| | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Flow rate | Daily Maximum | M&R Million Gallons per Day (Mgal/d) | | Effluent Gross | P01 | Continuous | CALCTD ^[1] |
| Flow rate | Monthly Average | M&R Million Gallons per Day (Mgal/d) | | Effluent Gross | P01 | Continuous | CALCTD ^[1] |
| Liner Leakage Rate ^[2] | Daily Maximum | <= 500 Gallons per Acre per Day (gal/acre/d) | | See Footnote ^[3] | P01 | Weekly | VISUAL |
| Freeboard ^[4] | Daily Minimum | >= 3 Feet (ft) | | See Footnote ^[5] | P01 | Daily | VISUAL |

Notes (Ponds / Rapid Infiltration Basins):

1. The daily maximum and monthly average flow rate shall be calculated using data from the flow meter and the number of truck loads.
2. Volume of fluid removed from the leak detection system (gal/acre/day). See Section B.PB.5.5. of the permit for further information.
3. Leak detection system.
4. See Section B.PB.4.3. of the permit for further information.
5. Pond.

Ponds / Rapid Infiltration Basins for Sample Location P01 (Leachate Pond 11) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|---|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Alkalinity, bicarbonate (as CaCO ₃) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P01 | Annual | DISCRT |
| Alkalinity, total (as CaCO ₃) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P01 | Annual | DISCRT |
| Aluminum, total (as Al) [1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P01 | Annual | DISCRT |
| Antimony, total (as Sb) [1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P01 | Annual | DISCRT |
| Arsenic, total (as As) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P01 | Annual | DISCRT |
| Barium, total (as Ba) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P01 | Annual | DISCRT |
| Beryllium, dissolved (as Be) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P01 | Annual | DISCRT |
| Cadmium, dissolved (as Cd) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P01 | Annual | DISCRT |
| Calcium, total (as Ca) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P01 | Annual | DISCRT |
| Chloride (as Cl) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P01 | Annual | DISCRT |
| Chromium, total (as Cr) [1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P01 | Annual | DISCRT |
| | | | M&R | | | | |

Ponds / Rapid Infiltration Basins for Sample Location P01 (Leachate Pond 11) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|--|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Copper, dissolved (as Cu) | Daily Maximum | | Milligrams per Liter (mg/L) | Effluent Gross | P01 | Annual | DISCRT |
| Fluoride, total (as F) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P01 | Annual | DISCRT |
| Iron, total (as Fe) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P01 | Annual | DISCRT |
| Lead, dissolved (as Pb) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P01 | Annual | DISCRT |
| Magnesium, total (as Mg) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P01 | Annual | DISCRT |
| Manganese, total (as Mn) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P01 | Annual | DISCRT |
| Mercury, dissolved (as Hg) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P01 | Annual | DISCRT |
| Nitrite plus nitrate total 1 det. (as N) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P01 | Annual | DISCRT |
| Nitrogen, total | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P01 | Annual | DISCRT |
| pH, maximum | Daily Maximum | | M&R Standard Units (SU) | Effluent Gross | P01 | Annual | DISCRT |
| pH, minimum | Daily Minimum | | M&R Standard Units (SU) | Effluent Gross | P01 | Annual | DISCRT |
| Potassium, total (as K) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P01 | Annual | DISCRT |

Ponds / Rapid Infiltration Basins for Sample Location P01 (Leachate Pond 11) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|--|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Selenium, dissolved [as Se] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P01 | Annual | DISCRT |
| Silver, total (as Ag) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P01 | Annual | DISCRT |
| Sodium, total (as Na) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P01 | Annual | DISCRT |
| Sulfate, total (as SO ₄) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P01 | Annual | DISCRT |
| Thallium, total (as Tl) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P01 | Annual | DISCRT |
| Solids, total dissolved | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P01 | Annual | DISCRT |
| Uranium, natural, total | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P01 | Annual | DISCRT |
| Cyanide, weak acid, dissociable | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P01 | Annual | DISCRT |
| Zinc, dissolved (as Zn) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P01 | Annual | DISCRT |
| 1,1,1-Trichloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P01 | Annual | DISCRT |
| 1,1,2,2-Tetrachloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P01 | Annual | DISCRT |
| | | | M&R | | | | |

Ponds / Rapid Infiltration Basins for Sample Location P01 (Leachate Pond 11) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|------------------------------------|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| 1,1,2-Trichloroethane | Daily Maximum | | Micrograms per Liter (ug/L) | Effluent Gross | P01 | Annual | DISCRT |
| 1,1-Dichloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P01 | Annual | DISCRT |
| 1,1-Dichloroethylene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P01 | Annual | DISCRT |
| 1,2-Dichlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P01 | Annual | DISCRT |
| 1,2-Dichloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P01 | Annual | DISCRT |
| 1,2-Dichloropropane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P01 | Annual | DISCRT |
| 1,3-Dichlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P01 | Annual | DISCRT |
| 1,4-Dichlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P01 | Annual | DISCRT |
| 2-Chloroethyl vinyl ether, (mixed) | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P01 | Annual | DISCRT |
| Benzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P01 | Annual | DISCRT |
| Dichlorobromomethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P01 | Annual | DISCRT |
| | | | M&R | | | | |

Ponds / Rapid Infiltration Basins for Sample Location P01 (Leachate Pond 11) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|---------------------------------|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Bromoform | Daily Maximum | | Micrograms per Liter (ug/L) | Effluent Gross | P01 | Annual | DISCRT |
| Methyl bromide (Bromomethane) | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P01 | Annual | DISCRT |
| Carbon tetrachloride | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P01 | Annual | DISCRT |
| Chlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P01 | Annual | DISCRT |
| Chloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P01 | Annual | DISCRT |
| Chloroform | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P01 | Annual | DISCRT |
| Methyl chloride (Chloromethane) | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P01 | Annual | DISCRT |
| cis-1,3-Dichloropropene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P01 | Annual | DISCRT |
| Dibromochloromethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P01 | Annual | DISCRT |
| Ethylbenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P01 | Annual | DISCRT |
| Methylene chloride | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P01 | Annual | DISCRT |
| | | | M&R | | | | |

Ponds / Rapid Infiltration Basins for Sample Location P01 (Leachate Pond 11) To Be Reported Annually

| Parameter | Discharge Limitations | | | Monitoring Requirements | | | |
|-------------------------------|-----------------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Tetrachloroethylene | Daily Maximum | | Micrograms per Liter (ug/L) | Effluent Gross | P01 | Annual | DISCRT |
| Toluene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P01 | Annual | DISCRT |
| trans-1,2-Dichloroethylene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P01 | Annual | DISCRT |
| trans-1,3-Dichloropropene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P01 | Annual | DISCRT |
| Trichloroethylene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P01 | Annual | DISCRT |
| Trichlorofluoromethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P01 | Annual | DISCRT |
| Vinyl chloride | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P01 | Annual | DISCRT |
| Hydrocarbons, total petroleum | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P01 | Annual | DISCRT |

Notes (Ponds / Rapid Infiltration Basins):

- Analyses shall be for the dissolved fraction.

Ponds / Rapid Infiltration Basins for Sample Location P02 (Leachate Pond 11.5) To Be Reported Monthly

| Parameter | Discharge Limitations | | | Monitoring Requirements | | | |
|-----------------------------------|-----------------------|--|---------------|-----------------------------|------------|-----------------------|-----------------------|
| | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Flow rate | Daily Maximum | M&R Million Gallons per Day (Mgal/d) | | Effluent Gross | P02 | Continuous | CALCTD ^[1] |
| Flow rate | Monthly Average | M&R Million Gallons per Day (Mgal/d) | | Effluent Gross | P02 | Continuous | CALCTD ^[1] |
| Liner Leakage Rate ^[2] | Daily Maximum | <= 500 Gallons per Acre per Day (gal/acre/d) | | See Footnote ^[3] | P02 | Weekdays | VISUAL |
| Freeboard ^[4] | Daily Minimum | >= 3 Feet (ft) | | See Footnote ^[5] | P02 | Daily | VISUAL |

Notes (Ponds / Rapid Infiltration Basins):

1. The daily maximum and monthly average flow rate shall be calculated using data from the flow meter and the number of truck loads.
2. Volume of fluid removed from the leak detection system (gal/acre/day). See Section B.PB.5.5. of the permit for further information.
3. Leak detection system.
4. See Section B.PB.4.3. of the permit for further information.
5. Pond.

Ponds / Rapid Infiltration Basins for Sample Location P02 (Leachate Pond 11.5) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|---|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Alkalinity, bicarbonate (as CaCO ₃) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P02 | Annual | DISCRT |
| Alkalinity, total (as CaCO ₃) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P02 | Annual | DISCRT |
| Aluminum, total (as Al) [1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P02 | Annual | DISCRT |
| Antimony, total (as Sb) [1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P02 | Annual | DISCRT |
| Arsenic, total (as As) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P02 | Annual | DISCRT |
| Barium, total (as Ba) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P02 | Annual | DISCRT |
| Beryllium, dissolved (as Be) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P02 | Annual | DISCRT |
| Cadmium, dissolved (as Cd) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P02 | Annual | DISCRT |
| Calcium, total (as Ca) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P02 | Annual | DISCRT |
| Chloride (as Cl) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P02 | Annual | DISCRT |
| Chromium, total (as Cr) [1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P02 | Annual | DISCRT |
| | | | M&R | | | | |

Ponds / Rapid Infiltration Basins for Sample Location P02 (Leachate Pond 11.5) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|--|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Copper, dissolved (as Cu) | Daily Maximum | | Milligrams per Liter (mg/L) | Effluent Gross | P02 | Annual | DISCRT |
| Fluoride, total (as F) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P02 | Annual | DISCRT |
| Iron, total (as Fe) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P02 | Annual | DISCRT |
| Lead, dissolved (as Pb) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P02 | Annual | DISCRT |
| Magnesium, total (as Mg) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P02 | Annual | DISCRT |
| Manganese, total (as Mn) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P02 | Annual | DISCRT |
| Mercury, dissolved (as Hg) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P02 | Annual | DISCRT |
| Nitrite plus nitrate total 1 det. (as N) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P02 | Annual | DISCRT |
| Nitrogen, total | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P02 | Annual | DISCRT |
| pH, maximum | Daily Maximum | | M&R Standard Units (SU) | Effluent Gross | P02 | Annual | DISCRT |
| pH, minimum | Daily Minimum | | M&R Standard Units (SU) | Effluent Gross | P02 | Annual | DISCRT |
| Potassium, total (as K) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P02 | Annual | DISCRT |

Ponds / Rapid Infiltration Basins for Sample Location P02 (Leachate Pond 11.5) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|--|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Selenium, dissolved [as Se] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P02 | Annual | DISCRT |
| Silver, total (as Ag) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P02 | Annual | DISCRT |
| Sodium, total (as Na) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P02 | Annual | DISCRT |
| Sulfate, total (as SO ₄) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P02 | Annual | DISCRT |
| Thallium, total (as Tl) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P02 | Annual | DISCRT |
| Solids, total dissolved | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P02 | Annual | DISCRT |
| Uranium, natural, total | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P02 | Annual | DISCRT |
| Cyanide, weak acid, dissociable | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P02 | Annual | DISCRT |
| Zinc, dissolved (as Zn) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P02 | Annual | DISCRT |
| 1,1,1-Trichloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P02 | Annual | DISCRT |
| 1,1,2,2-Tetrachloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P02 | Annual | DISCRT |
| | | | M&R | | | | |

Ponds / Rapid Infiltration Basins for Sample Location P02 (Leachate Pond 11.5) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|------------------------------------|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| 1,1,2-Trichloroethane | Daily Maximum | | Micrograms per Liter (ug/L) | Effluent Gross | P02 | Annual | DISCRT |
| 1,1-Dichloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P02 | Annual | DISCRT |
| 1,1-Dichloroethylene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P02 | Annual | DISCRT |
| 1,2-Dichlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P02 | Annual | DISCRT |
| 1,2-Dichloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P02 | Annual | DISCRT |
| 1,2-Dichloropropane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P02 | Annual | DISCRT |
| 1,3-Dichlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P02 | Annual | DISCRT |
| 1,4-Dichlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P02 | Annual | DISCRT |
| 2-Chloroethyl vinyl ether, (mixed) | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P02 | Annual | DISCRT |
| Benzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P02 | Annual | DISCRT |
| Dichlorobromomethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P02 | Annual | DISCRT |
| | | | M&R | | | | |

Ponds / Rapid Infiltration Basins for Sample Location P02 (Leachate Pond 11.5) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|---------------------------------|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Bromoform | Daily Maximum | | Micrograms per Liter (ug/L) | Effluent Gross | P02 | Annual | DISCRT |
| Methyl bromide (Bromomethane) | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P02 | Annual | DISCRT |
| Carbon tetrachloride | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P02 | Annual | DISCRT |
| Chlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P02 | Annual | DISCRT |
| Chloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P02 | Annual | DISCRT |
| Chloroform | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P02 | Annual | DISCRT |
| Methyl chloride (Chloromethane) | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P02 | Annual | DISCRT |
| cis-1,3-Dichloropropene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P02 | Annual | DISCRT |
| Dibromochloromethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P02 | Annual | DISCRT |
| Ethylbenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P02 | Annual | DISCRT |
| Methylene chloride | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P02 | Annual | DISCRT |
| | | | M&R | | | | |

Ponds / Rapid Infiltration Basins for Sample Location P02 (Leachate Pond 11.5) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|-------------------------------|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Tetrachloroethylene | Daily Maximum | | Micrograms per Liter (ug/L) | Effluent Gross | P02 | Annual | DISCRT |
| Toluene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P02 | Annual | DISCRT |
| trans-1,2-Dichloroethylene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P02 | Annual | DISCRT |
| trans-1,3-Dichloropropene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P02 | Annual | DISCRT |
| Trichloroethylene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P02 | Annual | DISCRT |
| Trichlorofluoromethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P02 | Annual | DISCRT |
| Vinyl chloride | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P02 | Annual | DISCRT |
| Hydrocarbons, total petroleum | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P02 | Annual | DISCRT |

Notes (Ponds / Rapid Infiltration Basins):

- Analyses shall be for the dissolved fraction.

Ponds / Rapid Infiltration Basins for Sample Location P03 (Leachate Pond 12) To Be Reported Monthly

| Parameter | Discharge Limitations | | | Monitoring Requirements | | | |
|-----------------------------------|-----------------------|--|---------------|-----------------------------|------------|-----------------------|-----------------------|
| | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Flow rate | Daily Maximum | M&R Million Gallons per Day (Mgal/d) | | Effluent Gross | P03 | Continuous | CALCTD ^[1] |
| Flow rate | Monthly Average | M&R Million Gallons per Day (Mgal/d) | | Effluent Gross | P03 | Continuous | CALCTD ^[1] |
| Liner Leakage Rate ^[2] | Daily Maximum | <= 500 Gallons per Acre per Day (gal/acre/d) | | See Footnote ^[3] | P03 | Weekly | VISUAL |
| Freeboard ^[4] | Daily Minimum | >= 3 Feet (ft) | | See Footnote ^[5] | P03 | Daily | VISUAL |

Notes (Ponds / Rapid Infiltration Basins):

1. The daily maximum and monthly average flow rate shall be calculated using data from the flow meter and the number of truck loads.
2. Volume of fluid removed from the leak detection system (gal/acre/day). See Section B.PB.5.5. of the permit for further information.
3. Leak detection system.
4. See Section B.PB.4.3. of the permit for further information.
5. Pond.

Ponds / Rapid Infiltration Basins for Sample Location P03 (Leachate Pond 12) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|---|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Alkalinity, bicarbonate (as CaCO ₃) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P03 | Annual | DISCRT |
| Alkalinity, total (as CaCO ₃) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P03 | Annual | DISCRT |
| Aluminum, total (as Al) [1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P03 | Annual | DISCRT |
| Antimony, total (as Sb) [1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P03 | Annual | DISCRT |
| Arsenic, total (as As) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P03 | Annual | DISCRT |
| Barium, total (as Ba) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P03 | Annual | DISCRT |
| Beryllium, dissolved (as Be) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P03 | Annual | DISCRT |
| Cadmium, dissolved (as Cd) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P03 | Annual | DISCRT |
| Calcium, total (as Ca) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P03 | Annual | DISCRT |
| Chloride (as Cl) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P03 | Annual | DISCRT |
| Chromium, total (as Cr) [1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P03 | Annual | DISCRT |
| | | | M&R | | | | |

Ponds / Rapid Infiltration Basins for Sample Location P03 (Leachate Pond 12) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|--|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Copper, dissolved (as Cu) | Daily Maximum | | Milligrams per Liter (mg/L) | Effluent Gross | P03 | Annual | DISCRT |
| Fluoride, total (as F) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P03 | Annual | DISCRT |
| Iron, total (as Fe) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P03 | Annual | DISCRT |
| Lead, dissolved (as Pb) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P03 | Annual | DISCRT |
| Magnesium, total (as Mg) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P03 | Annual | DISCRT |
| Manganese, total (as Mn) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P03 | Annual | DISCRT |
| Mercury, dissolved (as Hg) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P03 | Annual | DISCRT |
| Nitrite plus nitrate total 1 det. (as N) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P03 | Annual | DISCRT |
| Nitrogen, total | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P03 | Annual | DISCRT |
| pH, maximum | Daily Maximum | | M&R Standard Units (SU) | Effluent Gross | P03 | Annual | DISCRT |
| pH, minimum | Daily Minimum | | M&R Standard Units (SU) | Effluent Gross | P03 | Annual | DISCRT |
| Potassium, total (as K) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P03 | Annual | DISCRT |

Ponds / Rapid Infiltration Basins for Sample Location P03 (Leachate Pond 12) To Be Reported Annually

| Parameter | Discharge Limitations | | | Monitoring Requirements | | | |
|--|-----------------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Selenium, dissolved [as Se] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P03 | Annual | DISCRT |
| Silver, total (as Ag) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P03 | Annual | DISCRT |
| Sodium, total (as Na) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P03 | Annual | DISCRT |
| Sulfate, total (as SO ₄) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P03 | Annual | DISCRT |
| Thallium, total (as Tl) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P03 | Annual | DISCRT |
| Solids, total dissolved | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P03 | Annual | DISCRT |
| Uranium, natural, total | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P03 | Annual | DISCRT |
| Cyanide, weak acid, dissociable | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P03 | Annual | DISCRT |
| Zinc, dissolved (as Zn) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P03 | Annual | DISCRT |
| 1,1,1-Trichloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P03 | Annual | DISCRT |
| 1,1,2,2-Tetrachloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P03 | Annual | DISCRT |
| | | | M&R | | | | |

Ponds / Rapid Infiltration Basins for Sample Location P03 (Leachate Pond 12) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|------------------------------------|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| 1,1,2-Trichloroethane | Daily Maximum | | Micrograms per Liter (ug/L) | Effluent Gross | P03 | Annual | DISCRT |
| 1,1-Dichloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P03 | Annual | DISCRT |
| 1,1-Dichloroethylene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P03 | Annual | DISCRT |
| 1,2-Dichlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P03 | Annual | DISCRT |
| 1,2-Dichloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P03 | Annual | DISCRT |
| 1,2-Dichloropropane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P03 | Annual | DISCRT |
| 1,3-Dichlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P03 | Annual | DISCRT |
| 1,4-Dichlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P03 | Annual | DISCRT |
| 2-Chloroethyl vinyl ether, (mixed) | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P03 | Annual | DISCRT |
| Benzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P03 | Annual | DISCRT |
| Dichlorobromomethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P03 | Annual | DISCRT |
| | | | M&R | | | | |

Ponds / Rapid Infiltration Basins for Sample Location P03 (Leachate Pond 12) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|---------------------------------|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Bromoform | Daily Maximum | | Micrograms per Liter (ug/L) | Effluent Gross | P03 | Annual | DISCRT |
| Methyl bromide (Bromomethane) | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P03 | Annual | DISCRT |
| Carbon tetrachloride | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P03 | Annual | DISCRT |
| Chlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P03 | Annual | DISCRT |
| Chloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P03 | Annual | DISCRT |
| Chloroform | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P03 | Annual | DISCRT |
| Methyl chloride (Chloromethane) | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P03 | Annual | DISCRT |
| cis-1,3-Dichloropropene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P03 | Annual | DISCRT |
| Dibromochloromethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P03 | Annual | DISCRT |
| Ethylbenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P03 | Annual | DISCRT |
| Methylene chloride | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P03 | Annual | DISCRT |
| | | | M&R | | | | |

Ponds / Rapid Infiltration Basins for Sample Location P03 (Leachate Pond 12) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|-------------------------------|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Tetrachloroethylene | Daily Maximum | | Micrograms per Liter (ug/L) | Effluent Gross | P03 | Annual | DISCRT |
| Toluene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P03 | Annual | DISCRT |
| trans-1,2-Dichloroethylene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P03 | Annual | DISCRT |
| trans-1,3-Dichloropropene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P03 | Annual | DISCRT |
| Trichloroethylene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P03 | Annual | DISCRT |
| Trichlorofluoromethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P03 | Annual | DISCRT |
| Vinyl chloride | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P03 | Annual | DISCRT |
| Hydrocarbons, total petroleum | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P03 | Annual | DISCRT |

Notes (Ponds / Rapid Infiltration Basins):

- Analyses shall be for the dissolved fraction.

Ponds / Rapid Infiltration Basins for Sample Location P04 (Leachate Pond 13) To Be Reported Monthly

| Parameter | Discharge Limitations | | | Monitoring Requirements | | | |
|-----------------------------------|-----------------------|--|---------------|-----------------------------|------------|-----------------------|-----------------------|
| | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Flow rate | Daily Maximum | M&R Million Gallons per Day (Mgal/d) | | Effluent Gross | P04 | Continuous | CALCTD ^[1] |
| Flow rate | Monthly Average | M&R Million Gallons per Day (Mgal/d) | | Effluent Gross | P04 | Continuous | CALCTD ^[1] |
| Liner Leakage Rate ^[2] | Daily Maximum | <= 500 Gallons per Acre per Day (gal/acre/d) | | See Footnote ^[3] | P04 | Weekly | VISUAL |
| Freeboard ^[4] | Daily Minimum | >= 3 Feet (ft) | | See Footnote ^[5] | P04 | Daily | VISUAL |

Notes (Ponds / Rapid Infiltration Basins):

1. The daily maximum and monthly average flow rate shall be calculated using data from the flow meter and the number of truck loads.
2. Volume of fluid removed from the leak detection system (gal/acre/day). See Section B.PB.5.5. of the permit for further information.
3. Leak detection system.
4. See Section B.PB.4.3. of the permit for further information.
5. Pond.

Ponds / Rapid Infiltration Basins for Sample Location P04 (Leachate Pond 13) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|---|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Alkalinity, bicarbonate (as CaCO ₃) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P04 | Annual | DISCRT |
| Alkalinity, total (as CaCO ₃) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P04 | Annual | DISCRT |
| Aluminum, total (as Al) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P04 | Annual | DISCRT |
| Antimony, total (as Sb) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P04 | Annual | DISCRT |
| Arsenic, total (as As) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P04 | Annual | DISCRT |
| Barium, total (as Ba) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P04 | Annual | DISCRT |
| Beryllium, dissolved (as Be) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P04 | Annual | DISCRT |
| Cadmium, dissolved (as Cd) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P04 | Annual | DISCRT |
| Calcium, total (as Ca) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P04 | Annual | DISCRT |
| Chloride (as Cl) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P04 | Annual | DISCRT |
| Chromium, total (as Cr) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P04 | Annual | DISCRT |
| | | | M&R | | | | |

Ponds / Rapid Infiltration Basins for Sample Location P04 (Leachate Pond 13) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|--|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Copper, dissolved (as Cu) | Daily Maximum | | Milligrams per Liter (mg/L) | Effluent Gross | P04 | Annual | DISCRT |
| Fluoride, total (as F) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P04 | Annual | DISCRT |
| Iron, total (as Fe) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P04 | Annual | DISCRT |
| Lead, dissolved (as Pb) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P04 | Annual | DISCRT |
| Magnesium, total (as Mg) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P04 | Annual | DISCRT |
| Manganese, total (as Mn) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P04 | Annual | DISCRT |
| Mercury, dissolved (as Hg) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P04 | Annual | DISCRT |
| Nitrite plus nitrate total 1 det. (as N) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P04 | Annual | DISCRT |
| Nitrogen, total | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P04 | Annual | DISCRT |
| pH, maximum | Daily Maximum | | M&R Standard Units (SU) | Effluent Gross | P04 | Annual | DISCRT |
| pH, minimum | Daily Minimum | | M&R Standard Units (SU) | Effluent Gross | P04 | Annual | DISCRT |
| Potassium, total (as K) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P04 | Annual | DISCRT |

Ponds / Rapid Infiltration Basins for Sample Location P04 (Leachate Pond 13) To Be Reported Annually

| Parameter | Discharge Limitations | | | Monitoring Requirements | | | |
|--|-----------------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Selenium, dissolved [as Se] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P04 | Annual | DISCRT |
| Silver, total (as Ag) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P04 | Annual | DISCRT |
| Sodium, total (as Na) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P04 | Annual | DISCRT |
| Sulfate, total (as SO ₄) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P04 | Annual | DISCRT |
| Thallium, total (as Tl) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P04 | Annual | DISCRT |
| Solids, total dissolved | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P04 | Annual | DISCRT |
| Uranium, natural, total | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P04 | Annual | DISCRT |
| Cyanide, weak acid, dissociable | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P04 | Annual | DISCRT |
| Zinc, dissolved (as Zn) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P04 | Annual | DISCRT |
| 1,1,1-Trichloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P04 | Annual | DISCRT |
| 1,1,2,2-Tetrachloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P04 | Annual | DISCRT |
| | | | M&R | | | | |

Ponds / Rapid Infiltration Basins for Sample Location P04 (Leachate Pond 13) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|------------------------------------|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| 1,1,2-Trichloroethane | Daily Maximum | | Micrograms per Liter (ug/L) | Effluent Gross | P04 | Annual | DISCRT |
| 1,1-Dichloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P04 | Annual | DISCRT |
| 1,1-Dichloroethylene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P04 | Annual | DISCRT |
| 1,2-Dichlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P04 | Annual | DISCRT |
| 1,2-Dichloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P04 | Annual | DISCRT |
| 1,2-Dichloropropane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P04 | Annual | DISCRT |
| 1,3-Dichlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P04 | Annual | DISCRT |
| 1,4-Dichlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P04 | Annual | DISCRT |
| 2-Chloroethyl vinyl ether, (mixed) | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P04 | Annual | DISCRT |
| Benzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P04 | Annual | DISCRT |
| Dichlorobromomethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P04 | Annual | DISCRT |
| | | | M&R | | | | |

Ponds / Rapid Infiltration Basins for Sample Location P04 (Leachate Pond 13) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|---------------------------------|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Bromoform | Daily Maximum | | Micrograms per Liter (ug/L) | Effluent Gross | P04 | Annual | DISCRT |
| Methyl bromide (Bromomethane) | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P04 | Annual | DISCRT |
| Carbon tetrachloride | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P04 | Annual | DISCRT |
| Chlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P04 | Annual | DISCRT |
| Chloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P04 | Annual | DISCRT |
| Chloroform | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P04 | Annual | DISCRT |
| Methyl chloride (Chloromethane) | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P04 | Annual | DISCRT |
| cis-1,3-Dichloropropene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P04 | Annual | DISCRT |
| Dibromochloromethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P04 | Annual | DISCRT |
| Ethylbenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P04 | Annual | DISCRT |
| Methylene chloride | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P04 | Annual | DISCRT |
| | | | M&R | | | | |

Ponds / Rapid Infiltration Basins for Sample Location P04 (Leachate Pond 13) To Be Reported Annually

| Parameter | Discharge Limitations | | | Monitoring Requirements | | | |
|-------------------------------|-----------------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Tetrachloroethylene | Daily Maximum | | Micrograms per Liter (ug/L) | Effluent Gross | P04 | Annual | DISCRT |
| Toluene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P04 | Annual | DISCRT |
| trans-1,2-Dichloroethylene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P04 | Annual | DISCRT |
| trans-1,3-Dichloropropene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P04 | Annual | DISCRT |
| Trichloroethylene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P04 | Annual | DISCRT |
| Trichlorofluoromethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P04 | Annual | DISCRT |
| Vinyl chloride | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P04 | Annual | DISCRT |
| Hydrocarbons, total petroleum | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P04 | Annual | DISCRT |

Notes (Ponds / Rapid Infiltration Basins):

- Analyses shall be for the dissolved fraction.

Ponds / Rapid Infiltration Basins for Sample Location P05 (Leachate Pond 14) To Be Reported Monthly

| Discharge Limitations | | | | Monitoring Requirements | | | |
|-----------------------------------|-----------------|--|---------------|-----------------------------|------------|-----------------------|-----------------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Flow rate | Daily Maximum | M&R Million Gallons per Day (Mgal/d) | | Effluent Gross | P05 | Continuous | CALCTD ^[1] |
| Flow rate | Monthly Average | M&R Million Gallons per Day (Mgal/d) | | Effluent Gross | P05 | Continuous | CALCTD ^[1] |
| Liner Leakage Rate ^[2] | Daily Maximum | <= 500 Gallons per Acre per Day (gal/acre/d) | | See Footnote ^[3] | P05 | Weekly | VISUAL |
| Freeboard ^[4] | Daily Minimum | >= 3 Feet (ft) | | See Footnote ^[5] | P05 | Daily | VISUAL |

Notes (Ponds / Rapid Infiltration Basins):

1. The daily maximum and monthly average flow rate shall be calculated using data from the flow meter and the number of truck loads.
2. Volume of fluid removed from the leak detection system (gal/acre/day). See Section B.PB.5.5. of the permit for further information.
3. Leak detection system.
4. See Section B.PB.4.3. of the permit for further information.
5. Pond.

Ponds / Rapid Infiltration Basins for Sample Location P05 (Leachate Pond 14) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|---|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Alkalinity, bicarbonate (as CaCO ₃) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P05 | Annual | DISCRT |
| Alkalinity, total (as CaCO ₃) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P05 | Annual | DISCRT |
| Aluminum, total (as Al) [1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P05 | Annual | DISCRT |
| Antimony, total (as Sb) [1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P05 | Annual | DISCRT |
| Arsenic, total (as As) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P05 | Annual | DISCRT |
| Barium, total (as Ba) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P05 | Annual | DISCRT |
| Beryllium, dissolved (as Be) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P05 | Annual | DISCRT |
| Cadmium, dissolved (as Cd) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P05 | Annual | DISCRT |
| Calcium, total (as Ca) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P05 | Annual | DISCRT |
| Chloride (as Cl) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P05 | Annual | DISCRT |
| Chromium, total (as Cr) [1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P05 | Annual | DISCRT |
| | | | M&R | | | | |

Ponds / Rapid Infiltration Basins for Sample Location P05 (Leachate Pond 14) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|--|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Copper, dissolved (as Cu) | Daily Maximum | | Milligrams per Liter (mg/L) | Effluent Gross | P05 | Annual | DISCRT |
| Fluoride, total (as F) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P05 | Annual | DISCRT |
| Iron, total (as Fe) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P05 | Annual | DISCRT |
| Lead, dissolved (as Pb) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P05 | Annual | DISCRT |
| Magnesium, total (as Mg) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P05 | Annual | DISCRT |
| Manganese, total (as Mn) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P05 | Annual | DISCRT |
| Mercury, dissolved (as Hg) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P05 | Annual | DISCRT |
| Nitrite plus nitrate total 1 det. (as N) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P05 | Annual | DISCRT |
| Nitrogen, total | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P05 | Annual | DISCRT |
| pH, maximum | Daily Maximum | | M&R Standard Units (SU) | Effluent Gross | P05 | Annual | DISCRT |
| pH, minimum | Daily Minimum | | M&R Standard Units (SU) | Effluent Gross | P05 | Annual | DISCRT |
| Potassium, total (as K) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P05 | Annual | DISCRT |

Ponds / Rapid Infiltration Basins for Sample Location P05 (Leachate Pond 14) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|--|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Selenium, dissolved [as Se] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P05 | Annual | DISCRT |
| Silver, total (as Ag) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P05 | Annual | DISCRT |
| Sodium, total (as Na) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P05 | Annual | DISCRT |
| Sulfate, total (as SO ₄) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P05 | Annual | DISCRT |
| Thallium, total (as Tl) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P05 | Annual | DISCRT |
| Solids, total dissolved | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P05 | Annual | DISCRT |
| Uranium, natural, total | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P05 | Annual | DISCRT |
| Cyanide, weak acid, dissociable | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P05 | Annual | DISCRT |
| Zinc, dissolved (as Zn) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P05 | Annual | DISCRT |
| 1,1,1-Trichloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P05 | Annual | DISCRT |
| 1,1,2,2-Tetrachloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P05 | Annual | DISCRT |
| | | | M&R | | | | |

Ponds / Rapid Infiltration Basins for Sample Location P05 (Leachate Pond 14) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|------------------------------------|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| 1,1,2-Trichloroethane | Daily Maximum | | Micrograms per Liter (ug/L) | Effluent Gross | P05 | Annual | DISCRT |
| 1,1-Dichloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P05 | Annual | DISCRT |
| 1,1-Dichloroethylene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P05 | Annual | DISCRT |
| 1,2-Dichlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P05 | Annual | DISCRT |
| 1,2-Dichloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P05 | Annual | DISCRT |
| 1,2-Dichloropropane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P05 | Annual | DISCRT |
| 1,3-Dichlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P05 | Annual | DISCRT |
| 1,4-Dichlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P05 | Annual | DISCRT |
| 2-Chloroethyl vinyl ether, (mixed) | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P05 | Annual | DISCRT |
| Benzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P05 | Annual | DISCRT |
| Dichlorobromomethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P05 | Annual | DISCRT |
| | | | M&R | | | | |

Ponds / Rapid Infiltration Basins for Sample Location P05 (Leachate Pond 14) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|---------------------------------|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Bromoform | Daily Maximum | | Micrograms per Liter (ug/L) | Effluent Gross | P05 | Annual | DISCRT |
| Methyl bromide (Bromomethane) | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P05 | Annual | DISCRT |
| Carbon tetrachloride | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P05 | Annual | DISCRT |
| Chlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P05 | Annual | DISCRT |
| Chloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P05 | Annual | DISCRT |
| Chloroform | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P05 | Annual | DISCRT |
| Methyl chloride (Chloromethane) | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P05 | Annual | DISCRT |
| cis-1,3-Dichloropropene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P05 | Annual | DISCRT |
| Dibromochloromethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P05 | Annual | DISCRT |
| Ethylbenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P05 | Annual | DISCRT |
| Methylene chloride | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P05 | Annual | DISCRT |
| | | | M&R | | | | |

Ponds / Rapid Infiltration Basins for Sample Location P05 (Leachate Pond 14) To Be Reported Annually

| Parameter | Discharge Limitations | | | Monitoring Requirements | | | |
|-------------------------------|-----------------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Tetrachloroethylene | Daily Maximum | | Micrograms per Liter (ug/L) | Effluent Gross | P05 | Annual | DISCRT |
| Toluene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P05 | Annual | DISCRT |
| trans-1,2-Dichloroethylene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P05 | Annual | DISCRT |
| trans-1,3-Dichloropropene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P05 | Annual | DISCRT |
| Trichloroethylene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P05 | Annual | DISCRT |
| Trichlorofluoromethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P05 | Annual | DISCRT |
| Vinyl chloride | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P05 | Annual | DISCRT |
| Hydrocarbons, total petroleum | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P05 | Annual | DISCRT |

Notes (Ponds / Rapid Infiltration Basins):

- Analyses shall be for the dissolved fraction.

Ponds / Rapid Infiltration Basins for Sample Location P06 (Leachate Pond 15) To Be Reported Monthly

| Parameter | Discharge Limitations | | | Monitoring Requirements | | | |
|-----------------------------------|-----------------------|--|---------------|-----------------------------|------------|-----------------------|-----------------------|
| | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Flow rate | Daily Maximum | M&R Million Gallons per Day (Mgal/d) | | Effluent Gross | P06 | Continuous | CALCTD ^[1] |
| Flow rate | Monthly Average | M&R Million Gallons per Day (Mgal/d) | | Effluent Gross | P06 | Continuous | CALCTD ^[1] |
| Liner Leakage Rate ^[2] | Daily Maximum | <= 500 Gallons per Acre per Day (gal/acre/d) | | See Footnote ^[3] | P06 | Weekly | VISUAL |
| Freeboard ^[4] | Daily Minimum | >= 3 Feet (ft) | | See Footnote ^[5] | P06 | Daily | VISUAL |

Notes (Ponds / Rapid Infiltration Basins):

1. The daily maximum and monthly average flow rate shall be calculated using data from the flow meter and the number of truck loads.
2. Volume of fluid removed from the leak detection system (gal/acre/day). See Section B.PB.5.5. of the permit for further information.
3. Leak detection system.
4. See Section B.PB.4.3. of the permit for further information.
5. Pond.

Ponds / Rapid Infiltration Basins for Sample Location P06 (Leachate Pond 15) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|---|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Alkalinity, bicarbonate (as CaCO ₃) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P06 | Annual | DISCRT |
| Alkalinity, total (as CaCO ₃) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P06 | Annual | DISCRT |
| Aluminum, total (as Al) [1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P06 | Annual | DISCRT |
| Antimony, total (as Sb) [1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P06 | Annual | DISCRT |
| Arsenic, total (as As) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P06 | Annual | DISCRT |
| Barium, total (as Ba) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P06 | Annual | DISCRT |
| Beryllium, dissolved (as Be) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P06 | Annual | DISCRT |
| Cadmium, dissolved (as Cd) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P06 | Annual | DISCRT |
| Calcium, total (as Ca) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P06 | Annual | DISCRT |
| Chloride (as Cl) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P06 | Annual | DISCRT |
| Chromium, total (as Cr) [1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P06 | Annual | DISCRT |
| | | | M&R | | | | |

Ponds / Rapid Infiltration Basins for Sample Location P06 (Leachate Pond 15) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|--|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Copper, dissolved (as Cu) | Daily Maximum | | Milligrams per Liter (mg/L) | Effluent Gross | P06 | Annual | DISCRT |
| Fluoride, total (as F) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P06 | Annual | DISCRT |
| Iron, total (as Fe) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P06 | Annual | DISCRT |
| Lead, dissolved (as Pb) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P06 | Annual | DISCRT |
| Magnesium, total (as Mg) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P06 | Annual | DISCRT |
| Manganese, total (as Mn) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P06 | Annual | DISCRT |
| Mercury, dissolved (as Hg) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P06 | Annual | DISCRT |
| Nitrite plus nitrate total 1 det. (as N) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P06 | Annual | DISCRT |
| Nitrogen, total | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P06 | Annual | DISCRT |
| pH, maximum | Daily Maximum | | M&R Standard Units (SU) | Effluent Gross | P06 | Annual | DISCRT |
| pH, minimum | Daily Minimum | | M&R Standard Units (SU) | Effluent Gross | P06 | Annual | DISCRT |
| Potassium, total (as K) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P06 | Annual | DISCRT |

Ponds / Rapid Infiltration Basins for Sample Location P06 (Leachate Pond 15) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|--|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Selenium, dissolved [as Se] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P06 | Annual | DISCRT |
| Silver, total (as Ag) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P06 | Annual | DISCRT |
| Sodium, total (as Na) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P06 | Annual | DISCRT |
| Sulfate, total (as SO ₄) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P06 | Annual | DISCRT |
| Thallium, total (as Tl) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P06 | Annual | DISCRT |
| Solids, total dissolved | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P06 | Annual | DISCRT |
| Uranium, natural, total | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P06 | Annual | DISCRT |
| Cyanide, weak acid, dissociable | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P06 | Annual | DISCRT |
| Zinc, dissolved (as Zn) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P06 | Annual | DISCRT |
| 1,1,1-Trichloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P06 | Annual | DISCRT |
| 1,1,2,2-Tetrachloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P06 | Annual | DISCRT |
| | | | M&R | | | | |

Ponds / Rapid Infiltration Basins for Sample Location P06 (Leachate Pond 15) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|------------------------------------|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| 1,1,2-Trichloroethane | Daily Maximum | | Micrograms per Liter (ug/L) | Effluent Gross | P06 | Annual | DISCRT |
| 1,1-Dichloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P06 | Annual | DISCRT |
| 1,1-Dichloroethylene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P06 | Annual | DISCRT |
| 1,2-Dichlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P06 | Annual | DISCRT |
| 1,2-Dichloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P06 | Annual | DISCRT |
| 1,2-Dichloropropane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P06 | Annual | DISCRT |
| 1,3-Dichlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P06 | Annual | DISCRT |
| 1,4-Dichlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P06 | Annual | DISCRT |
| 2-Chloroethyl vinyl ether, (mixed) | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P06 | Annual | DISCRT |
| Benzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P06 | Annual | DISCRT |
| Dichlorobromomethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P06 | Annual | DISCRT |
| | | | M&R | | | | |

Ponds / Rapid Infiltration Basins for Sample Location P06 (Leachate Pond 15) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|---------------------------------|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Bromoform | Daily Maximum | | Micrograms per Liter (ug/L) | Effluent Gross | P06 | Annual | DISCRT |
| Methyl bromide (Bromomethane) | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P06 | Annual | DISCRT |
| Carbon tetrachloride | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P06 | Annual | DISCRT |
| Chlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P06 | Annual | DISCRT |
| Chloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P06 | Annual | DISCRT |
| Chloroform | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P06 | Annual | DISCRT |
| Methyl chloride (Chloromethane) | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P06 | Annual | DISCRT |
| cis-1,3-Dichloropropene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P06 | Annual | DISCRT |
| Dibromochloromethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P06 | Annual | DISCRT |
| Ethylbenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P06 | Annual | DISCRT |
| Methylene chloride | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P06 | Annual | DISCRT |
| | | | M&R | | | | |

Ponds / Rapid Infiltration Basins for Sample Location P06 (Leachate Pond 15) To Be Reported Annually

| Parameter | Discharge Limitations | | | Monitoring Requirements | | | |
|-------------------------------|-----------------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Tetrachloroethylene | Daily Maximum | | Micrograms per Liter (ug/L) | Effluent Gross | P06 | Annual | DISCRT |
| Toluene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P06 | Annual | DISCRT |
| trans-1,2-Dichloroethylene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P06 | Annual | DISCRT |
| trans-1,3-Dichloropropene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P06 | Annual | DISCRT |
| Trichloroethylene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P06 | Annual | DISCRT |
| Trichlorofluoromethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P06 | Annual | DISCRT |
| Vinyl chloride | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P06 | Annual | DISCRT |
| Hydrocarbons, total petroleum | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P06 | Annual | DISCRT |

Notes (Ponds / Rapid Infiltration Basins):

- Analyses shall be for the dissolved fraction.

Ponds / Rapid Infiltration Basins for Sample Location P07 (Leachate Pond 16) To Be Reported Monthly

| Parameter | Discharge Limitations | | | Monitoring Requirements | | | |
|-----------------------------------|-----------------------|--|---------------|-----------------------------|------------|-----------------------|-----------------------|
| | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Flow rate | Daily Maximum | M&R Million Gallons per Day (Mgal/d) | | Effluent Gross | P07 | Continuous | CALCTD ^[1] |
| Flow rate | Monthly Average | M&R Million Gallons per Day (Mgal/d) | | Effluent Gross | P07 | Continuous | CALCTD ^[1] |
| Liner Leakage Rate ^[2] | Daily Maximum | <= 500 Gallons per Acre per Day (gal/acre/d) | | See Footnote ^[3] | P07 | Weekly | VISUAL |
| Freeboard ^[4] | Daily Minimum | >= 3 Feet (ft) | | See Footnote ^[5] | P07 | Daily | VISUAL |

Notes (Ponds / Rapid Infiltration Basins):

1. The daily maximum and monthly average flow rate shall be calculated using data from the flow meter and the number of truck loads.
2. Volume of fluid removed from the leak detection system (gal/acre/day). See Section B.PB.5.5. of the permit for further information.
3. Leak detection system.
4. See Section B.PB.4.3. of the permit for further information.
5. Pond.

Ponds / Rapid Infiltration Basins for Sample Location P07 (Leachate Pond 16) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|---|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Alkalinity, bicarbonate (as CaCO ₃) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P07 | Annual | DISCRT |
| Alkalinity, total (as CaCO ₃) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P07 | Annual | DISCRT |
| Aluminum, total (as Al) [1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P07 | Annual | DISCRT |
| Antimony, total (as Sb) [1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P07 | Annual | DISCRT |
| Arsenic, total (as As) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P07 | Annual | DISCRT |
| Barium, total (as Ba) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P07 | Annual | DISCRT |
| Beryllium, dissolved (as Be) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P07 | Annual | DISCRT |
| Cadmium, dissolved (as Cd) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P07 | Annual | DISCRT |
| Calcium, total (as Ca) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P07 | Annual | DISCRT |
| Chloride (as Cl) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P07 | Annual | DISCRT |
| Chromium, total (as Cr) [1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P07 | Annual | DISCRT |
| | | | M&R | | | | |

Ponds / Rapid Infiltration Basins for Sample Location P07 (Leachate Pond 16) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|--|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Copper, dissolved (as Cu) | Daily Maximum | | Milligrams per Liter (mg/L) | Effluent Gross | P07 | Annual | DISCRT |
| Fluoride, total (as F) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P07 | Annual | DISCRT |
| Iron, total (as Fe) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P07 | Annual | DISCRT |
| Lead, dissolved (as Pb) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P07 | Annual | DISCRT |
| Magnesium, total (as Mg) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P07 | Annual | DISCRT |
| Manganese, total (as Mn) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P07 | Annual | DISCRT |
| Mercury, dissolved (as Hg) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P07 | Annual | DISCRT |
| Nitrite plus nitrate total 1 det. (as N) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P07 | Annual | DISCRT |
| Nitrogen, total | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P07 | Annual | DISCRT |
| pH, maximum | Daily Maximum | | M&R Standard Units (SU) | Effluent Gross | P07 | Annual | DISCRT |
| pH, minimum | Daily Minimum | | M&R Standard Units (SU) | Effluent Gross | P07 | Annual | DISCRT |
| Potassium, total (as K) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P07 | Annual | DISCRT |

Ponds / Rapid Infiltration Basins for Sample Location P07 (Leachate Pond 16) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|--|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Selenium, dissolved [as Se] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P07 | Annual | DISCRT |
| Silver, total (as Ag) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P07 | Annual | DISCRT |
| Sodium, total (as Na) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P07 | Annual | DISCRT |
| Sulfate, total (as SO ₄) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P07 | Annual | DISCRT |
| Thallium, total (as Tl) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P07 | Annual | DISCRT |
| Solids, total dissolved | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P07 | Annual | DISCRT |
| Uranium, natural, total | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P07 | Annual | DISCRT |
| Cyanide, weak acid, dissociable | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P07 | Annual | DISCRT |
| Zinc, dissolved (as Zn) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P07 | Annual | DISCRT |
| 1,1,1-Trichloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P07 | Annual | DISCRT |
| 1,1,2,2-Tetrachloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P07 | Annual | DISCRT |
| | | | M&R | | | | |

Ponds / Rapid Infiltration Basins for Sample Location P07 (Leachate Pond 16) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|------------------------------------|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| 1,1,2-Trichloroethane | Daily Maximum | | Micrograms per Liter (ug/L) | Effluent Gross | P07 | Annual | DISCRT |
| 1,1-Dichloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P07 | Annual | DISCRT |
| 1,1-Dichloroethylene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P07 | Annual | DISCRT |
| 1,2-Dichlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P07 | Annual | DISCRT |
| 1,2-Dichloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P07 | Annual | DISCRT |
| 1,2-Dichloropropane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P07 | Annual | DISCRT |
| 1,3-Dichlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P07 | Annual | DISCRT |
| 1,4-Dichlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P07 | Annual | DISCRT |
| 2-Chloroethyl vinyl ether, (mixed) | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P07 | Annual | DISCRT |
| Benzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P07 | Annual | DISCRT |
| Dichlorobromomethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P07 | Annual | DISCRT |
| | | | M&R | | | | |

Ponds / Rapid Infiltration Basins for Sample Location P07 (Leachate Pond 16) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|---------------------------------|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Bromoform | Daily Maximum | | Micrograms per Liter (ug/L) | Effluent Gross | P07 | Annual | DISCRT |
| Methyl bromide (Bromomethane) | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P07 | Annual | DISCRT |
| Carbon tetrachloride | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P07 | Annual | DISCRT |
| Chlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P07 | Annual | DISCRT |
| Chloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P07 | Annual | DISCRT |
| Chloroform | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P07 | Annual | DISCRT |
| Methyl chloride (Chloromethane) | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P07 | Annual | DISCRT |
| cis-1,3-Dichloropropene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P07 | Annual | DISCRT |
| Dibromochloromethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P07 | Annual | DISCRT |
| Ethylbenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P07 | Annual | DISCRT |
| Methylene chloride | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P07 | Annual | DISCRT |
| | | | M&R | | | | |

Ponds / Rapid Infiltration Basins for Sample Location P07 (Leachate Pond 16) To Be Reported Annually

| Parameter | Discharge Limitations | | | Monitoring Requirements | | | |
|-------------------------------|-----------------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Tetrachloroethylene | Daily Maximum | | Micrograms per Liter (ug/L) | Effluent Gross | P07 | Annual | DISCRT |
| Toluene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P07 | Annual | DISCRT |
| trans-1,2-Dichloroethylene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P07 | Annual | DISCRT |
| trans-1,3-Dichloropropene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P07 | Annual | DISCRT |
| Trichloroethylene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P07 | Annual | DISCRT |
| Trichlorofluoromethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P07 | Annual | DISCRT |
| Vinyl chloride | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P07 | Annual | DISCRT |
| Hydrocarbons, total petroleum | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P07 | Annual | DISCRT |

Notes (Ponds / Rapid Infiltration Basins):

- Analyses shall be for the dissolved fraction.

Ponds / Rapid Infiltration Basins for Sample Location P08 (Leachate Pond 17) To Be Reported Monthly

| Parameter | Discharge Limitations | | | Monitoring Requirements | | | |
|-----------------------------------|-----------------------|--|---------------|-----------------------------|------------|-----------------------|-----------------------|
| | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Flow rate | Daily Maximum | M&R Million Gallons per Day (Mgal/d) | | Effluent Gross | P08 | Continuous | CALCTD ^[1] |
| Flow rate | Monthly Average | M&R Million Gallons per Day (Mgal/d) | | Effluent Gross | P08 | Continuous | CALCTD ^[1] |
| Liner Leakage Rate ^[2] | Daily Maximum | <= 500 Gallons per Acre per Day (gal/acre/d) | | See Footnote ^[3] | P08 | Weekly | VISUAL |
| Freeboard ^[4] | Daily Minimum | >= 3 Feet (ft) | | See Footnote ^[5] | P08 | Daily | VISUAL |

Notes (Ponds / Rapid Infiltration Basins):

1. The daily maximum and monthly average flow rate shall be calculated using data from the flow meter and the number of truck loads.
2. Volume of fluid removed from the leak detection system (gal/acre/day). See Section B.PB.5.5. of the permit for further information.
3. Leak detection system.
4. See Section B.PB.4.3. of the permit for further information.
5. Pond.

Ponds / Rapid Infiltration Basins for Sample Location P08 (Leachate Pond 17) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|---|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Alkalinity, bicarbonate (as CaCO ₃) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P08 | Annual | DISCRT |
| Alkalinity, total (as CaCO ₃) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P08 | Annual | DISCRT |
| Aluminum, total (as Al) [1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P08 | Annual | DISCRT |
| Antimony, total (as Sb) [1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P08 | Annual | DISCRT |
| Arsenic, total (as As) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P08 | Annual | DISCRT |
| Barium, total (as Ba) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P08 | Annual | DISCRT |
| Beryllium, dissolved (as Be) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P08 | Annual | DISCRT |
| Cadmium, dissolved (as Cd) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P08 | Annual | DISCRT |
| Calcium, total (as Ca) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P08 | Annual | DISCRT |
| Chloride (as Cl) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P08 | Annual | DISCRT |
| Chromium, total (as Cr) [1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P08 | Annual | DISCRT |
| | | | M&R | | | | |

Ponds / Rapid Infiltration Basins for Sample Location P08 (Leachate Pond 17) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|--|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Copper, dissolved (as Cu) | Daily Maximum | | Milligrams per Liter (mg/L) | Effluent Gross | P08 | Annual | DISCRT |
| Fluoride, total (as F) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P08 | Annual | DISCRT |
| Iron, total (as Fe) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P08 | Annual | DISCRT |
| Lead, dissolved (as Pb) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P08 | Annual | DISCRT |
| Magnesium, total (as Mg) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P08 | Annual | DISCRT |
| Manganese, total (as Mn) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P08 | Annual | DISCRT |
| Mercury, dissolved (as Hg) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P08 | Annual | DISCRT |
| Nitrite plus nitrate total 1 det. (as N) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P08 | Annual | DISCRT |
| Nitrogen, total | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P08 | Annual | DISCRT |
| pH, maximum | Daily Maximum | | M&R Standard Units (SU) | Effluent Gross | P08 | Annual | DISCRT |
| pH, minimum | Daily Minimum | | M&R Standard Units (SU) | Effluent Gross | P08 | Annual | DISCRT |
| Potassium, total (as K) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P08 | Annual | DISCRT |

Ponds / Rapid Infiltration Basins for Sample Location P08 (Leachate Pond 17) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|--|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Selenium, dissolved [as Se] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P08 | Annual | DISCRT |
| Silver, total (as Ag) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P08 | Annual | DISCRT |
| Sodium, total (as Na) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P08 | Annual | DISCRT |
| Sulfate, total (as SO ₄) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P08 | Annual | DISCRT |
| Thallium, total (as Tl) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P08 | Annual | DISCRT |
| Solids, total dissolved | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P08 | Annual | DISCRT |
| Uranium, natural, total | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P08 | Annual | DISCRT |
| Cyanide, weak acid, dissociable | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P08 | Annual | DISCRT |
| Zinc, dissolved (as Zn) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P08 | Annual | DISCRT |
| 1,1,1-Trichloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P08 | Annual | DISCRT |
| 1,1,2,2-Tetrachloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P08 | Annual | DISCRT |
| | | | M&R | | | | |

Ponds / Rapid Infiltration Basins for Sample Location P08 (Leachate Pond 17) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|------------------------------------|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| 1,1,2-Trichloroethane | Daily Maximum | | Micrograms per Liter (ug/L) | Effluent Gross | P08 | Annual | DISCRT |
| 1,1-Dichloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P08 | Annual | DISCRT |
| 1,1-Dichloroethylene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P08 | Annual | DISCRT |
| 1,2-Dichlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P08 | Annual | DISCRT |
| 1,2-Dichloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P08 | Annual | DISCRT |
| 1,2-Dichloropropane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P08 | Annual | DISCRT |
| 1,3-Dichlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P08 | Annual | DISCRT |
| 1,4-Dichlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P08 | Annual | DISCRT |
| 2-Chloroethyl vinyl ether, (mixed) | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P08 | Annual | DISCRT |
| Benzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P08 | Annual | DISCRT |
| Dichlorobromomethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P08 | Annual | DISCRT |
| | | | M&R | | | | |

Ponds / Rapid Infiltration Basins for Sample Location P08 (Leachate Pond 17) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|---------------------------------|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Bromoform | Daily Maximum | | Micrograms per Liter (ug/L) | Effluent Gross | P08 | Annual | DISCRT |
| Methyl bromide (Bromomethane) | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P08 | Annual | DISCRT |
| Carbon tetrachloride | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P08 | Annual | DISCRT |
| Chlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P08 | Annual | DISCRT |
| Chloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P08 | Annual | DISCRT |
| Chloroform | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P08 | Annual | DISCRT |
| Methyl chloride (Chloromethane) | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P08 | Annual | DISCRT |
| cis-1,3-Dichloropropene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P08 | Annual | DISCRT |
| Dibromochloromethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P08 | Annual | DISCRT |
| Ethylbenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P08 | Annual | DISCRT |
| Methylene chloride | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P08 | Annual | DISCRT |
| | | | M&R | | | | |

Ponds / Rapid Infiltration Basins for Sample Location P08 (Leachate Pond 17) To Be Reported Annually

| Parameter | Discharge Limitations | | | Monitoring Requirements | | | |
|-------------------------------|-----------------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Tetrachloroethylene | Daily Maximum | | Micrograms per Liter (ug/L) | Effluent Gross | P08 | Annual | DISCRT |
| Toluene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P08 | Annual | DISCRT |
| trans-1,2-Dichloroethylene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P08 | Annual | DISCRT |
| trans-1,3-Dichloropropene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P08 | Annual | DISCRT |
| Trichloroethylene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P08 | Annual | DISCRT |
| Trichlorofluoromethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P08 | Annual | DISCRT |
| Vinyl chloride | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P08 | Annual | DISCRT |
| Hydrocarbons, total petroleum | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P08 | Annual | DISCRT |

Notes (Ponds / Rapid Infiltration Basins):

- Analyses shall be for the dissolved fraction.

Ponds / Rapid Infiltration Basins for Sample Location P09 (Leachate Pond 18) To Be Reported Monthly

| Discharge Limitations | | | | Monitoring Requirements | | | |
|-----------------------------------|-----------------|--|---------------|-----------------------------|------------|-----------------------|-----------------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Flow rate | Daily Maximum | M&R Million Gallons per Day (Mgal/d) | | Effluent Gross | P09 | Continuous | CALCTD ^[1] |
| Flow rate | Monthly Average | M&R Million Gallons per Day (Mgal/d) | | Effluent Gross | P09 | Continuous | CALCTD ^[1] |
| Liner Leakage Rate ^[2] | Daily Maximum | <= 500 Gallons per Acre per Day (gal/acre/d) | | See Footnote ^[3] | P09 | Weekly | VISUAL |
| Freeboard ^[4] | Daily Minimum | >= 3 Feet (ft) | | See Footnote ^[5] | P09 | Daily | VISUAL |

Notes (Ponds / Rapid Infiltration Basins):

1. The daily maximum and monthly average flow rate shall be calculated using data from the flow meter and the number of truck loads.
2. Volume of fluid removed from the leak detection system (gal/acre/day). See Section B.PB.5.5. of the permit for further information.
3. Leak detection system.
4. See Section B.PB.4.3. of the permit for further information.
5. Pond.

Ponds / Rapid Infiltration Basins for Sample Location P09 (Leachate Pond 18) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|---|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Alkalinity, bicarbonate (as CaCO ₃) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P09 | Annual | DISCRT |
| Alkalinity, total (as CaCO ₃) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P09 | Annual | DISCRT |
| Aluminum, total (as Al) [1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P09 | Annual | DISCRT |
| Antimony, total (as Sb) [1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P09 | Annual | DISCRT |
| Arsenic, total (as As) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P09 | Annual | DISCRT |
| Barium, total (as Ba) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P09 | Annual | DISCRT |
| Beryllium, dissolved (as Be) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P09 | Annual | DISCRT |
| Cadmium, dissolved (as Cd) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P09 | Annual | DISCRT |
| Calcium, total (as Ca) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P09 | Annual | DISCRT |
| Chloride (as Cl) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P09 | Annual | DISCRT |
| Chromium, total (as Cr) [1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P09 | Annual | DISCRT |
| | | | M&R | | | | |

Ponds / Rapid Infiltration Basins for Sample Location P09 (Leachate Pond 18) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|--|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Copper, dissolved (as Cu) | Daily Maximum | | Milligrams per Liter (mg/L) | Effluent Gross | P09 | Annual | DISCRT |
| Fluoride, total (as F) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P09 | Annual | DISCRT |
| Iron, total (as Fe) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P09 | Annual | DISCRT |
| Lead, dissolved (as Pb) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P09 | Annual | DISCRT |
| Magnesium, total (as Mg) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P09 | Annual | DISCRT |
| Manganese, total (as Mn) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P09 | Annual | DISCRT |
| Mercury, dissolved (as Hg) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P09 | Annual | DISCRT |
| Nitrite plus nitrate total 1 det. (as N) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P09 | Annual | DISCRT |
| Nitrogen, total | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P09 | Annual | DISCRT |
| pH, maximum | Daily Maximum | | M&R Standard Units (SU) | Effluent Gross | P09 | Annual | DISCRT |
| pH, minimum | Daily Minimum | | M&R Standard Units (SU) | Effluent Gross | P09 | Annual | DISCRT |
| Potassium, total (as K) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P09 | Annual | DISCRT |

Ponds / Rapid Infiltration Basins for Sample Location P09 (Leachate Pond 18) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|--|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Selenium, dissolved [as Se] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P09 | Annual | DISCRT |
| Silver, total (as Ag) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P09 | Annual | DISCRT |
| Sodium, total (as Na) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P09 | Annual | DISCRT |
| Sulfate, total (as SO ₄) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P09 | Annual | DISCRT |
| Thallium, total (as Tl) ^[1] | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P09 | Annual | DISCRT |
| Solids, total dissolved | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P09 | Annual | DISCRT |
| Uranium, natural, total | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P09 | Annual | DISCRT |
| Cyanide, weak acid, dissociable | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P09 | Annual | DISCRT |
| Zinc, dissolved (as Zn) | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P09 | Annual | DISCRT |
| 1,1,1-Trichloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P09 | Annual | DISCRT |
| 1,1,2,2-Tetrachloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P09 | Annual | DISCRT |
| | | | M&R | | | | |

Ponds / Rapid Infiltration Basins for Sample Location P09 (Leachate Pond 18) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|------------------------------------|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| 1,1,2-Trichloroethane | Daily Maximum | | Micrograms per Liter (ug/L) | Effluent Gross | P09 | Annual | DISCRT |
| 1,1-Dichloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P09 | Annual | DISCRT |
| 1,1-Dichloroethylene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P09 | Annual | DISCRT |
| 1,2-Dichlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P09 | Annual | DISCRT |
| 1,2-Dichloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P09 | Annual | DISCRT |
| 1,2-Dichloropropane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P09 | Annual | DISCRT |
| 1,3-Dichlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P09 | Annual | DISCRT |
| 1,4-Dichlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P09 | Annual | DISCRT |
| 2-Chloroethyl vinyl ether, (mixed) | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P09 | Annual | DISCRT |
| Benzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P09 | Annual | DISCRT |
| Dichlorobromomethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P09 | Annual | DISCRT |
| | | | M&R | | | | |

Ponds / Rapid Infiltration Basins for Sample Location P09 (Leachate Pond 18) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|---------------------------------|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Bromoform | Daily Maximum | | Micrograms per Liter (ug/L) | Effluent Gross | P09 | Annual | DISCRT |
| Methyl bromide (Bromomethane) | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P09 | Annual | DISCRT |
| Carbon tetrachloride | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P09 | Annual | DISCRT |
| Chlorobenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P09 | Annual | DISCRT |
| Chloroethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P09 | Annual | DISCRT |
| Chloroform | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P09 | Annual | DISCRT |
| Methyl chloride (Chloromethane) | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P09 | Annual | DISCRT |
| cis-1,3-Dichloropropene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P09 | Annual | DISCRT |
| Dibromochloromethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P09 | Annual | DISCRT |
| Ethylbenzene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P09 | Annual | DISCRT |
| Methylene chloride | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P09 | Annual | DISCRT |
| | | | M&R | | | | |

Ponds / Rapid Infiltration Basins for Sample Location P09 (Leachate Pond 18) To Be Reported Annually

| Discharge Limitations | | | | Monitoring Requirements | | | |
|-------------------------------|---------------|----------|---------------------------------|-------------------------|------------|-----------------------|-------------|
| Parameter | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Tetrachloroethylene | Daily Maximum | | Micrograms per Liter (ug/L) | Effluent Gross | P09 | Annual | DISCRT |
| Toluene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P09 | Annual | DISCRT |
| trans-1,2-Dichloroethylene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P09 | Annual | DISCRT |
| trans-1,3-Dichloropropene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P09 | Annual | DISCRT |
| Trichloroethylene | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P09 | Annual | DISCRT |
| Trichlorofluoromethane | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P09 | Annual | DISCRT |
| Vinyl chloride | Daily Maximum | | M&R Micrograms per Liter (ug/L) | Effluent Gross | P09 | Annual | DISCRT |
| Hydrocarbons, total petroleum | Daily Maximum | | M&R Milligrams per Liter (mg/L) | Effluent Gross | P09 | Annual | DISCRT |

Notes (Ponds / Rapid Infiltration Basins):

- Analyses shall be for the dissolved fraction.

Ponds / Rapid Infiltration Basins for Sample Location P10 (Fire Pond) To Be Reported Quarterly

| Parameter | Discharge Limitations | | | Monitoring Requirements | | | |
|-----------|-----------------------|-----------------------------|---------------|-----------------------------|------------|------------------------|-------------|
| | Base | Quantity | Concentration | Monitoring Loc | Sample Loc | Measurement Frequency | Sample Type |
| Flow rate | Daily Maximum | M&R Gallons per Day (gal/d) | | See Footnote ^[1] | P10 | Daily When Discharging | METER |
| Flow rate | Monthly Average | M&R Gallons per Day (gal/d) | | See Footnote ^[1] | P10 | Daily When Discharging | METER |

Notes (Ponds / Rapid Infiltration Basins):

1. Monitor the flow rate of reject water, from the onsite water treatment system, being discharged into the Fire Pond.

Summary of Changes From Previous Permit

Outfall 001, previously assigned to the ‘Bioremediation Facility – Petroleum Contaminated Soils’, has been reassigned to the 1,000-gallon septic tank for the Scale House.

Outfall 002, previously assigned to the ‘Bioremediation Facility – Non-Hazardous Liquids and Petroleum [Contaminated Liquids]’, has been reassigned to the 1,000-gallon leach field for the Scale House.

Outfall 003, previously assigned to the ‘Liquid Waste Solidification Area’, has been reassigned to the 2,500-gallon septic tank for the Maintenance Building.

Outfall 004, previously assigned to the ‘Sum of all Accepted Liquids’, has been reassigned to the 2,250-gallon leach field for the Maintenance Building.

The ‘Liquid Waste Solidification Area’ has been reassigned to Outfall 007.

Outfalls 005, 006, and P01 through P10 were added.

The requirement to report the liner leakage rate for the Liquid Waste Solidification Area outfall has been removed.

The requirement to sample TPH once a year from the 5,000-gallon holding tank located at the Maintenance Building has been added.

Technology Based Effluent Limitations

Technology based effluent limitations are not applicable to this permit.

Water Quality Based Effluent Limitations

Water quality based effluent limitations are not applicable to this permit.

Basis for Effluent Limitations

The proposed permit establishes the requirement to sample for TPH, VOCs, and Profile I constituents, once each year, from each leachate pond. This requirement has been added to assess the operations of the facility and characterize the wastewater. No limits have been included as the ponds are double lined to contain all pollutants associated with the wastewater.

The proposed permit establishes the requirement to report the leakage rate from the leak detection system for each leachate pond.

The requirement to sample liquids destined for the Liquid Waste Solidification Area for TPH is retained. This requirement is included to assess the operations of the facility. No limit has been included at this time.

The requirement to sample for VOCs and TPH from Monitoring Well 5 has been retained. This requirement is included to ensure groundwater is not being degraded from activities at the landfill.

The daily maximum total volume permit limit for the two (2) 22,500-gallon holding tanks is based on the combined capacity of 45,000-gallons of the tanks.

The daily maximum total volume permit limit for the holding tank located at the Maintenance Building is based on its capacity of 5,000-gallons.

Permit NS0093011 previously included the requirement to report any liquid detected in the leak detection system found under the treatment cells of the Liquid Waste Solidification Area. This requirement has been removed as the leak detection system was decommissioned along with the treatment cells.

The requirement to sample TPH once a year from the 5,000-gallon holding tank located at the Maintenance Building has been added. This requirement is consistent with requirements found in the Division's General Oil-Water Separator Permit. TPH is an indicator used to determine if the sand-oil separator is being sufficiently maintained.

Anti-backsliding

Section 402(o) and 303(d)(4) of the Clean Water Act and federal regulations of the Code of Federal Regulations Title 40 section 122.44(l) prohibit backsliding and require effluent limitations in a reissued permit to be as stringent as those in the previous permit. None of the proposed permit limitations were changed to a less restrictive limit compared to those in the pervious permit.

Antidegradation

The Division has developed an antidegradation regulation that is applied on a statewide basis, and which meets the statutory requirements of Nevada’s water pollution control law found at Nevada Revised Statute (NRS) 445A.520 and NRS 445A.565 and is consistent with the federal antidegradation policy found at Title 40 in the Code of Federal Regulations (CFR) § 131.12. The objective of the Division’s antidegradation regulation is to prevent degradation of Nevada’s surface waters and maintain the unique attributes and special characteristics and water quality associated with high-quality waters.

As this permit is for discharges to groundwater, and not surface water, the new antidegradation rule is not applicable. There are currently no specific water quality standards that have been formally adopted by the State for groundwater, however, data reviewed during the renewal process does not indicate the potential for degradation of the groundwater from the reclaimed water discharged within the compliance limits of the proposed permit.

Special Conditions

See the Special Approvals / Conditions Table below.

SA – Special Approvals / Conditions Table

| Item # | Description |
|--------|---|
| 1 | Only non-hazardous liquids may be accepted at the Liquid Waste Solidification Area. All waste shall be screened for hazardous characteristics per applicable State and federal requirements. The Permittee shall identify the source of all liquids accepted and maintain a records management program for tracking per the facility’s Operations and Maintenance (O&M) Manual. No out of state waste shall be accepted without prior notification to the Southern Nevada Health District. Out of state waste shall be tracked throughout the process to final disposition. |
| | The Permittee shall collect and maintain the following information for each waste load accepted: |

| Item # | Description |
|--------|--|
| 2 | receiving date, weight and / or volume, truck identification, transporter, source of waste, pre-acceptance and pre-treatment analytical data, manifests, out of state letters of non-hazard material, and generator declarations of non-hazard material. |
| 3 | The leak detection systems for the leachate ponds must be inspected weekly. Any liquid found in the leak detection system shall be removed. Incidence of leakage, volumes removed, and final disposition, shall be reported to show that the system is being maintained and managed appropriately. |
| 4 | The Liquid Waste Solidification Area shall be inspected, at a minimum, each week for deterioration or malfunction of the concrete lined pits. A summary of the weekly inspections shall be submitted electronically through Nevada's NetDMR system. If any of the pits are breached, acceptance of material shall cease, the Division shall be notified by 5:00 pm of the following business day, and a repair plan shall be submitted to the Division for approval. |
| 5 | Any spills resulting from transfer operations and truck and container wash water shall be retained within the containment areas. |
| 6 | EPA method 9095 for the paint filter test shall be conducted, in accordance with the facility's O&M Manual, to verify that the solidification treatment has resulted in solid waste and does not contain any free liquids. |
| 7 | Liquid waste is prohibited from running off the Permittee's property and from running or being discharged into any surface drainage. |
| 8 | Liquid waste shall be solidified and removed in a timely manner to minimize possible migration of fluid from the designated solidification area. All final liquid processed materials must be used as cover material placement over the landfill or commingled for disposal at the landfill. |
| 9 | Waste loads determined to be hazardous shall be rejected and prohibited from off-loading at the facility. The Division, and appropriate local agencies, shall be notified within 24 hours of the occurrence and shall include information surrounding the rejection, including but not limited to, the waste characterization of the load. |
| 10 | This permit does not regulate activities performed by the Permittee within the landfill managed areas. All solidification end product materials used for cover placement in the managed areas of the landfill must meet the permit criteria for such designated uses as required by the Southern Nevada Health District. |
| 11 | Holding tanks shall be inspected daily for leaks. |
| 12 | The Permittee shall provide a copy of a document describing the possible hazards and proper hygiene of working with and around leachate and / or landfill process water to all workers and other affected personnel. A copy of this document shall be included in the facility's O&M Manual. |
| 13 | The Permittee shall submit a copy of the quarterly water quality analysis results that are sent to the Southern Nevada Health District. This information shall be submitted electronically through Nevada's NetDMR system. |
| 14 | The Bureau of Water Pollution Control's Water Technical Sheet (WTS) 37 may be used in lieu of the requirements found in section B.PB.4.3. of the permit. |

Discharges From Future Outfalls/ Planned Facility Changes

The following changes have been made at the facility since the last permit renewal:

- Ponds 11, 11.5, 12, 13, 14, 15, and 16 were constructed,
- The eleven (11) treatment cells located at the Bioremediation Facility were removed,
- The burrow area located at the Liquid Waste Solidification Area was removed, and
- Four (4) concrete lined pits were constructed at the Liquid Waste Solidification Area.

Future changes include the construction of two (2) more lined evaporation ponds, Pond 17 and Pond 18.

Corrective Action Sites

There are no active Bureau of Corrective Action sites located within a one-mile radius of the facilities /

features.

Wellhead Protection Program

The nearest Public Water Supply (PWS) well is located approximately 0.30 miles from Pond 14. There are additional PWS wells located to the west of the landfill. Ponds 11, 11.5, 15, 16, and the Fire Pond are located within a Drinking Water Protection Area, which is defined as a 3,000-foot radius around a PWS well. The landfill is not located within a Wellhead Protection Area, which represents an approximate 10-year capture zone of a well. There is a PWS well located half a mile southwest-west of the scale house leach field, placing it within the edge of a DWPA. The discharge is not anticipated to affect any PWSs as Ponds 11, 11.5, 15, 16, and the Fire Pond are all double lined and the Scale House leach field is on the edge of the DWPA.

Schedule of Compliance:

SOC – Schedule of Compliance Table

| Item # | Description | Due Date |
|--------|--|-----------|
| 1 | The Permittee shall submit two (2) copies (one hard copy and one electronic copy) of an updated Operations and Maintenance (O&M) Manual to the Division for review and approval. The O&M manual shall be prepared and stamped by a qualified individual. | 11/1/2024 |

Deliverable Schedule:

DLV– Deliverable Schedule for Reports, Plans, and Other Submittals

| Item # | Description | Interval | First Scheduled Due Date |
|--------|----------------|-----------|--------------------------|
| 1 | Quarterly DMRs | Quarterly | 10/28/2024 |
| 2 | Annual Report | Annually | 1/28/2025 |

Procedures for Public Comment:

The Notice of the Division's intent to issue a permit authorizing the facility to discharge to groundwater of the State of Nevada subject to the conditions contained within the permit, is being mailed to interested persons on our mailing list and will be posted on our website at <https://ndep.nv.gov/posts>. Anyone wishing to comment on the proposed permit can do so in writing until 5:00 P.M. **7/26/2024**, a period of 30 days following the date of the public notice. The comment period can be extended at the discretion of the Administrator.

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator of EPA Region IX or any interested agency, person or group of persons. The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted. Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determined to be appropriate. All public hearings must be conducted in accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

Proposed Determination:

The Division has made the tentative determination to issue/re-issue the proposed 5-year permit.

Prepared by: **Bonnie Hartley**

Date: **6/21/2024**

Title: **Staff II, Associate Engineer**