# NPDES Permit No. NM0000116

# AUTHORIZATION TO DISCHARGE UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Clean Water Act, as amended, (33 U.S.C. 1251 et. seq; the "Act"),

GCC Rio Grande, Inc. P.O. Box 100 Tijeras, NM 87059

is authorized to discharge from GCC Rio Grande located at 11783 State Highway 337, in Bernalillo County, New Mexico, to receiving water named Corral Canyon, thence to Tijeras Canyon, thence to Rio Grande in Segment No. 20.6.4.105 of the Rio Grande Basin, from

Outfall 001: Latitude: 35° 04' 25", Longitude: 106° 23' 51"

in accordance with this cover page and effluent limitations, monitoring requirements, and other conditions set forth in Parts I [Requirements for NPDES Permits], II [Other Conditions], and III [Standard Conditions for NPDES Permits] hereof.

This permit supersedes and replaces NPDES Permit No. NM0000116 issued November 23, 2010.

This permit shall become effective on June 1, 2021

This permit and the authorization to discharge shall expire at midnight, May 31, 2026

Issued on May 24, 2021

Charles W. Maguire

Director

Water Division

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# PART I – REQUIREMENTS FOR NPDES PERMITS

# SECTION A. LIMITATIONS AND MONITORING REQUIREMENTS

# 1. Outfalls 001

During the period beginning the effective date of the permit and lasting through the dismantle of Outfall 001, the permittee is authorized to discharge storm runoffs from storage and production areas, once-through cooling water, cleaning water, and Artesian well water from Outfalls 001. Such discharges shall be limited and monitored by the permittee as specified below (1):

	DISCHARGE	DISCHARGE		
EFFLUENT	LIMITATIONS	LIMITATIONS	MONITORING	MONITORING
CHARACTERISTICS	Standard Units	Standard Units	REQUIREMENTS	REQUIREMENTS
			MEASUREMENT	
POLLUTANT	MINIMUM	MAXIMUM	FREQUENCY	SAMPLE TYPE
рН	6.0	9.0	1/Day	Grab

	DISCHARGE LIMITATIONS	DISCHARGE LIMITATIONS	DISCHARGE LIMITATIONS	DISCHARGE LIMITATIONS		
EFFLUENT	lbs/day, unless	lbs/day, unless	mg/l, unless	lbs/day, unless	MONITORING	MONITORING
CHARACTERISTICS	noted	noted	noted	noted	REQUIREMENTS	REQUIREMENTS
POLLUTANT	30-Day Avg	Daily Max	30-Day Avg	Daily Max	MEASUREMENT	SAMPLE TYPE
					FREQUENCY	
Flow	Report MGD	Report MGD	***	***	1/Day	Estimate
Total Suspended Solids	N/A	N/A	Report	50	1/Week	Grab
Total Aluminum	0.78	0.78	0.75	0.75	1/Week	Grab
Total Copper	N/A	N/A	0.011	0.011	1/Week	Grab
Dissolved Copper	N/A	N/A	Report	Report	1/Week	Grab
Dissolved Cadmium	N/A	N/A	Report	Report	1/Week	Grab
Total Hardness	N/A	N/A	N/A	Report	1/Week	Grab

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WHOLE EFFLUENT TOXICITY TESTING (7-Day Chronic Static Renewal/ NOEC)		MEASUREMENT	SAMPLE TYPE
	VALUE	FREQUENCY (*2)	(*3)
Ceriodaphnia dubia	Report	Once/5 years	24-Hr Composite
Pimephales promelas	Report	Once/5 years	24-Hr Composite

### Footnote:

- (1) See Part II.B. for best management practices and discharge restrictions.
- (2) Perform WET testing at first discharge.
- (3) See Part II of the permit for WET testing requirements and additional WET monitoring and reporting conditions. Grab samples are allowed per method, if needed.

# SAMPLING LOCATION(S)

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s): Outfalls 001.

## FLOATING SOLIDS OR VISIBLE FOAM

There shall be no discharge of oils, scum, grease and other floating materials that would cause the formation of a visible sheen or visible deposits on the bottom or shoreline, or would damage or impair the normal growth, function or reproduction of human, animal, plant or aquatic life.

#### B. REPORTING OF MONITORING RESULTS (MINOR DISCHARGERS)

Discharge Monitoring Report (DMR) results shall be electronically reported to EPA per 40 CFR 127.16. To submit electronically, access the NetDMR website at https://netdmr.epa.gov. Until approved for Net DMR, the permittee shall request temporary or emergency waivers from electronic reporting. To obtain the waiver, please contact: U.S. EPA - Region 6, Water Enforcement Branch, New Mexico State Coordinator (6EN-WC), (214) 665-7179. If paper reporting is granted temporarily, the permittee shall submit the original DMR signed and certified as required by Part III.D.11 and all other reports required by Part III.D. to the EPA and copies to NMED as required (See Part III.D.IV of the permit). Monitoring information shall be submitted quarterly. Each quarterly submittal shall include separate forms for each month of the reporting period.

- 1. Reporting periods shall end on the last day of the months March, June, September, and December.
- 2. The permittee is required to submit regular quarterly reports as described above postmarked no later than the <u>28th</u> day of the month following each reporting period.

# C. COPY OF APPLICATION TO NMED

The permittee shall send a copy of application for permit renewal to New Mexico Environment Department at the mailing address listed in Part III of the permit.

#### PART II - OTHER CONDITIONS

# A. MINIMUM QUANTIFICATION LEVEL (MQL)

EPA-approved test procedures (methods) for the analysis and quantification of pollutants or pollutant parameters, including for the purposes of compliance monitoring/DMR reporting, permit renewal applications, or any other reporting that may be required as a condition of this permit, shall be sufficiently sensitive. A method is "sufficiently sensitive" when (1) the method minimum level (ML) of quantification is at or below the level of the applicable effluent limit for the measured pollutant or pollutant parameter; or (2) if there is no EPA-approved analytical method with a published ML at or below the effluent limit (see table below), then the method has the lowest published ML (is the most sensitive) of the analytical methods approved under 40 CFR Part 136 or required under 40 CFR Chapter I, Subchapters N or 0, for the measured pollutant or pollutant parameter; or (3) the method is specified in this permit or has been otherwise approved in writing by the permitting authority (EPA Region 6) for the measured pollutant or pollutant parameter. The Permittee has the option of developing and submitting a report to justify the use of matrix or sample-specific MLs rather than the published levels. Upon written approval by EPA Region 6 the matrix or sample-specific MLs may be utilized by the Permittee for all future Discharge Monitoring Report (DMR) reporting requirements.

Current EPA Region 6 minimum quantification levels (MQLs) for reporting and compliance are provided in Appendix A of Part II of this permit. The following pollutants may not have EPA approved methods with a published ML at or below the effluent limit, if specified:

POLLUTANT	CAS Number	STORET
		Code
Total Residual Chlorine	7782-50-5	50060
Cadmium	7440-43-9	01027
Silver	7440-22-4	01077
Thallium	7440-28-0	01059
Cyanide	57-12-5	78248
Dioxin (2,3,7,8-TCDD)	1764-01-6	34675
4, 6-Dinitro-0-Cresol	534-52-1	34657
Pentachlorophenol	87-86-5	39032
Benzidine	92-87-5	39120
Chrysene	218-01-9	34320
Hexachlorobenzene	118-74-1	39700
N-Nitrosodimethylamine	62-75-9	34438
Aldrin	309-00-2	39330
Chlordane	57-74-9	39350
Dieldrin	60-57-1	39380
Heptachlor	76-44-8	39410
Heptachlor epoxide	1024-57-3	39420
Toxaphene	8001-35-2	39400

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Unless otherwise indicated in this permit, if the EPA Region 6 MQL for a pollutant or pollutant parameter is sufficiently sensitive (as defined above) and the analytical test result is less than the MQL, then a value of zero (0) may be used for reporting purposes on DMRs. Furthermore, if the EPA Region 6 MQL for a pollutant or parameter is not sufficiently sensitive, but the analytical test result is less than the published ML from a sufficiently sensitive method, then a value of zero (0) may be used for reporting purposes on DMRs.

#### B. AUTHORIZED DISCHARGES

Discharges authorized in this individual permit are limited to once through cooling water, cooling tower blowdown, and storm water from the adjacent areas. There shall be no discharge of domestic sewage into waters of the United States. Discharges of storm water runoff from outfalls other than Outfalls 001 shall be covered under the NPDES Multi-Sector Storm Water Permit. Runoffs from active quarry areas are not authorized. See section B of this Part for discharges from quarry areas.

## C. BEST MANAGEMENT PRACTICE

- 1. The operator shall take reasonable steps to maintain maximum capacities of retention ponds to contain the process wastewaters and storm water runoffs from manufacturing areas.
- 2. Discharges are restricted to overflows from the retention pond due to catastrophic or chronic precipitation events.
- 3. Discharges of storm water runoff from access roads in undisturbed areas shall be covered under the NPDES Multi-Sector Storm Water Permit.
- 4. If a discharge of storm runoff from a quarry (mining) area is necessary, the discharge must comply with effluent limitations established at Outfall 001.

#### D. REOPENER CLAUSE

If the State re-evaluates and updates the total maximum daily loads (TMDL) or final effluent limitation necessary to protect water quality standards during the life of this permit, and the effluent limitations are more stringent than those listed in this permit, or controls a pollutant not listed in this permit, then the permit may be modified or revoked and reissued to conform with the approved Water Quality Management Plan (WQMP) final effluent limitations.

### E. WHOLE EFFLUENT TOXICITY TESTING (7 DAY CHRONIC NOEC)

It is unlawful and a violation of this permit for a permittee or his designated agent, to manipulate test samples in any manner, to delay sample shipment, or to terminate or to cause to terminate a toxicity test. Once initiated, all toxicity tests must be completed unless specific authority has been granted by EPA Region 6 or the State NPDES permitting authority.

#### 1. SCOPE AND METHODOLOGY

a. The permittee shall test the effluent for toxicity in accordance with the provisions in this section.

APPLICABLE TO FINAL OUTFALL(S) 001			
REPORTED AS FINAL OUTFALL	001		
CRITICAL DILUTION (%)	100%		
EFFLUENT DILTION SERIES (%)	32%, 42%, 56%, 75%, 100%		
TEST SPECIES AND METHODS Ceriodaphnia dubia / Method 1002.0 (EPA-			
	821-R-02-013 or latest version)		
	Pimephales promelas/ Method 1000.0		
	(EPA/821/R-02-013 or latest version)		
SAMPLE TYPE	Defined in PART I		

- b. The NOEC (No Observed Lethal Effect Concentration) is herein defined as the greatest effluent dilution at and below which lethality that is statistically different from the control (0% effluent) at the 95% confidence level does not occur. Chronic lethal test failure is defined as a demonstration of a statistically significant lethal effect at test completion to a test species at or below the critical dilution. Chronic sub-lethal test failure is defined as a demonstration of a statistically significant sub-lethal effect (i.e., growth or reproduction) at test completion to a test species at or below the critical dilution.
- c. This permit may be reopened to require WET limits, chemical specific effluent limits, additional testing, and/or other appropriate actions to address toxicity.

## 2. REQUIRED TEST ACCEPTABILITY CRITERIA AND TEST CONDITIONS

The permittee shall repeat a test, including the control and all effluent dilutions, if the procedures and quality assurance requirements defined in the test methods or in this permit are not satisfied, including the following additional criteria:

Condition/Criteria	Ceriodaphnia dubia	Pimephales promelas
Test Duration	Until 60% or more of	7 days
	surviving control females	
	have 3 broods (max 8 days)	
# of replicates per	10	5
concentration		
# of organisms per replicate	1	8
# or organisms per	10	40 (minimum)
concentration		
# of test concentrations per	5 and a control	5 and a control
effluent		
Holding time *	36 hours for first use	36 hours for first use
Sampling Requirement *	Minimum of 3 samples	Minimum of 3 samples
Test Acceptability Criteria	≥80% survival of all control	≥80% survival of all control
	organisms.	organisms.

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	Average of 15 or more	Average dry weight per
	neonates per surviving	surviving organism in
	control female.	control must be ≥0.25mg.
	60% of surviving control	
	females must produce 3	
	broods.	
Coefficient of Variation **	40% or less, unless	40% or less unless
	significant effects are	significant effects are
	exhibited.	exhibited.
<b>Percent Minimum Significant</b>	13 – 47	12 - 30
Difference (PMSD range) for		
Sublethal Endpoint **		

<sup>\*</sup> If the flow from the outfall(s) being tested ceases during the collection of effluent samples, the requirements for the minimum number of effluent samples and the minimum number of effluent portions are waived during that sampling period. However, the permittee must collect an effluent composite sample volume during the period of discharge that is sufficient to complete the required toxicity tests with daily renewal of effluent, and must meet the holding time between collection and first use of the sample. When possible, the effluent samples used for the toxicity tests shall be collected on separate days. The effluent composite sample collection duration and the static renewal protocol associated with the abbreviated sample collection must be documented in the full report required in Item 3 of this section.

\*\*Test failure may not be construed or reported as invalid due to a coefficient of variation value of greater than 40%, or a PMSD value greater than the higher value on the range provided.

#### a. Statistical Interpretation

The statistical analyses used to determine if there is a significant difference between the control and the critical dilution shall be in accordance with the methods for determining the No Observed Effect Concentration (NOEC) as described in the appropriate method manual listed in Part II or the most recent update thereof.

#### b. Dilution Water

- 1) Dilution water used in the toxicity tests will be receiving water collected as close to the point of discharge as possible but unaffected by the discharge. The permittee shall substitute synthetic dilution water of similar pH, hardness, and alkalinity to the closest downstream perennial water for;
  - i. toxicity tests conducted on effluent discharges to receiving water classified as intermittent streams; and
  - ii. toxicity tests conducted on effluent discharges where no receiving water is available due to zero flow conditions.

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2) If the receiving water is unsatisfactory as a result of instream toxicity (fails to fulfill the test acceptance criteria), the permittee may substitute synthetic dilution water for the receiving water in all subsequent tests provided the unacceptable receiving water test met the following stipulations:

- i. a synthetic dilution water control which fulfills the test acceptance requirements was run concurrently with the receiving water control;
- ii. the test indicating receiving water toxicity has been carried out to completion,
- iii. the permittee includes all test results indicating receiving water toxicity with the full report and information required; and
- iv. the synthetic dilution water shall have a pH, hardness, and alkalinity similar to that of the receiving water or closest downstream perennial water not adversely affected by the discharge, provided the magnitude of these parameters will not cause toxicity in the synthetic dilution water.

# c. Samples and Composites

- 1) The permittee shall collect a minimum of three samples (flow-weighted composite if possible) from the outfall(s).
- 2) The permittee shall collect a second and third sample (composite samples if possible) for use during the 24-hour renewal of each dilution concentration for each test. The permittee must collect the composite samples so that the maximum holding time for any effluent sample shall not exceed 36 hours for first use of the sample. The permittee must have initiated the toxicity test within 36 hours after the collection of the last portion of the first composite sample. Samples shall be chilled to 6 degrees Centigrade during collection, shipping, and/or storage. A holding time up to 72 hrs is allowed upon notification to EPA and NMED of the need for additional holding time.
- 3) The permittee must collect the composite samples such that the effluent samples are representative of the discharge duration, and of any periodic episode of chlorination, biocide usage or other potentially toxic substance discharged on an intermittent basis.

#### 3.REPORTING

a. The permittee shall prepare a full report of the results of all tests conducted pursuant to this part in accordance with the Report Preparation Section of the most current publication of the method manual, for every valid or invalid toxicity test initiated, whether carried to completion or not. The permittee shall retain each full report and submit them upon the specific request of the Agency. For any test which fails, is

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considered invalid, or which is terminated early for any reason, the full report must be submitted for agency review.

- b. A valid test for each species must be reported during each reporting period specified in PART I of this permit unless the permittee is performing a TRE which may increase the frequency of testing and reporting. One set of biomonitoring data for each species is to be recorded on the DMR for each reporting period. Additional results are reported under the retest codes below.
- c. The permittee shall submit the results of each valid toxicity test on the subsequent monthly DMR for that reporting period as follows below. Submit retest information clearly marked as such with the following month's DMR. Only results of valid tests are to be reported on the DMR.

Reporting Requirement	Parameter STORET CODE		
	Ceriodaphnia	Pimephales promelas	
	dubia		
Enter a "1" if the No Observed Effect	TLP3B	TLP6C	
Concentration (NOEC) for survival is less than			
the critical dilution, otherwise enter a "0".			
Report the NOEC value for survival	TOP3B	TOP6C	
Report the LOEC value for survival	TXP3B	TXP6C	
Enter a "1" if the NOEC for growth or	TGP3B	TGP6C	
reproduction is less than the critical dilution,			
otherwise enter a "0".			
Report the NOEC value for growth or	TPP3B	TPP6C	
reproduction			
Report the LOEC value for growth	TYP3B	TYP6C	
Report the highest (critical dilution or control)	TQP3B	TQP6C	
Coefficient of Variation			
(If required) Retest 1 – Enter a "1" if the NOEC	22418	22415	
for survival, growth or reproduction is less than			
the critical dilution, otherwise enter "0".			
(If required) Retest 2- Enter a "1" if the NOEC	22419	22416	
for survival, growth or reproduction is less than			
the critical dilution, otherwise enter "0".			
(If required) Retest 3- Enter a "1" if the NOEC	51444	51443	
for survival, growth or reproduction is less than			
the critical dilution, otherwise enter "0".			

4. This permit does not establish requirements to automatically increase the WET testing frequency after a test failure, or to begin a toxicity reduction evaluation (TRE) in the event of multiple test failures. However, upon failure of any WET test, the permittee must report the test results to NMED, Surface Water Quality Bureau, and EPA, in writing, within 5

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business days of notification the test failure. NMED and EPA will review the test results and determine the appropriate action necessary, if any.

# APPENDIX A of PART II

The following Minimum Quantification Levels (MQL's) are to be used for reporting pollutant data for NPDES permit applications and/or compliance reporting.

METALS, RADIOACTIVITY, CYANIDE and CHLORINE	POLLUTANTS	MQL μg/l	POLLUTANTS	MQL μg/l
Aluminum   2.5   Molybdenum   10   Antimony   60   Nickel   0.5   Arsenic   0.5   Selenium   5   5   Barium   100   Silver   0.5   Beryllium   0.5   Thalllium   0.5   Beryllium   0.5   Thalllium   0.5   Boron   100   Uranium   0.1   Cadmium   1   Vanadium   50   Chromium   10   Zinc   20   Cobalt   50   Cyanide   10   Copper   0.5   Cyanide, weak acid dissociable   10   Copper   0.5   Cyanide, weak acid dissociable   10   Copper   0.5   Total Residual Chlorine   33   Mercury *1   0.0005   0.005	METALS, RA	ADIOACTIVITY	, CYANIDE and CHLORINE	
Arsenic 0.5 Selenium 5 Barium 100 Silver 0.5 Beryllium 0.5 Thalllium 0.5 Boron 100 Uranium 0.1 Cadmium 1 Vanadium 50 Chromium 10 Zinc 20 Cobalt 50 Cyanide 10 Copper 0.5 Cyanide, weak acid dissociable 10 Lead 0.5 Total Residual Chlorine 33 Mercury *1 0.0005  DIOXIN 2,3,7,8-TCDD 0.00001  **VOLATILE COMPOUNDS**  Acrolein 50 1,3-Dichloropropylene 10 Acrylonitrile 20 Ethylbenzene 10 Benzene 10 Methyl Bromide 50 Bromoform 10 Methylene Chloride 20 Carbon Tetrachloride 2 1,1,2,2-Tetrachloroethane 10 Chlorobenzene 10 Tetrachloroethylene 10 Chloroform 50 1,2-trans-Dichloroethylene 10 1,2-Dichloroethylene 10 Trichloroethylene 10 1,1-Dichloroethylene 10 Trichloroethylene 10 1,1-Dichloroethylene 10 Vinyl Chloride 10 1,2-Dichloropropane 10  **ACID COMPOUNDS**  2-Chlorophenol 10 Pentachlorophenol 5 2,4-Diintrophenol 50 2,4-Diintrophenol 10 Pentachlorophenol 5 2,4-Diintrophenol 10 Phenol 10				10
Barium   100   Silver   0.5	Antimony	60	Nickel	0.5
Beryllium   0.5   Thalllium   0.5   Boron   100   Uranium   0.1   Cadmium   1   Vanadium   50   Chromium   10   Zinc   20   Cobalt   50   Cyanide   10   Copper   0.5   Cyanide, weak acid dissociable   10   Lead   0.5   Total Residual Chlorine   33   Mercury *1   0.0005	Arsenic	0.5	Selenium	5
Boron	Barium	100	Silver	0.5
Cadmium         1         Vanadium         50           Chromium         10         Zinc         20           Cobalt         50         Cyanide         10           Copper         0.5         Cyanide, weak acid dissociable         10           Lead         0.5         Total Residual Chlorine         33           Mercury *1         0.0005            DIOXIN           2,3,7,8-TCDD         0.00001            VOLATILE COMPOUNDS           Acrolein         50         1,3-Dichloropropylene         10           Acrylonitrile         20         Ethylbenzene         10           Benzene         10         Methylene Chloride         50           Bromoform         10         Methylene Chloride         20           Carbon Tetrachloride         2         1,1,2,2-Tetrachloroethane         10           Chlorobenzene         10         Tetrachloroethylene         10           Chloroform         50         1,2-trans-Dichloroethylene         10           Chloroform         50         1,2-trans-Dichloroethylene         10           1,1-2-Dichloroethylene         10         Trichloroethylene         10	Beryllium	0.5	Thalllium	0.5
Chromium         10         Zinc         20           Cobalt         50         Cyanide         10           Copper         0.5         Cyanide, weak acid dissociable         10           Lead         0.5         Total Residual Chlorine         33           Mercury *1         0.0005            DIOXIN           2,3,7,8-TCDD         0.00001            VOLATILE COMPOUNDS           Acrolein         50         1,3-Dichloropropylene         10           Acrylonitrile         20         Ethylbenzene         10           Benzene         10         Methyl Bromide         50           Bromoform         10         Methylene Chloride         20           Carbon Tetrachloride         2         1,1,2,2-Tetrachloroethane         10           Chlorobenzene         10         Tetrachloroethylene         10           Chloroform         50         1,2-trans-Dichloroethylene         10           Chloroform         50         1,2-trans-Dichloroethylene         10           1,1-Dichloroethylene         10         Trichloroethylene         10           1,2-Dichlorophonole         10         Vinyl Chloride         10     <	Boron	100	Uranium	0.1
Cobalt         50         Cyanide         10           Copper         0.5         Cyanide, weak acid dissociable         10           Lead         0.5         Total Residual Chlorine         33           Mercury *1         0.0005             DIOXIN           2,3,7,8-TCDD         0.00001             VOLATILE COMPOUNDS           Acrolein         50         1,3-Dichloropropylene         10           Acrylonitrile         20         Ethylbenzene         10           Benzene         10         Methyl Bromide         50           Bromoform         10         Methylene Chloride         20           Carbon Tetrachloride         2         1,1,2,2-Tetrachloroethane         10           Chlorobenzene         10         Tetrachloroethylene         10           Chloroform         50         1,2-trans-Dichloroethylene         10           Chloroforomomethane         10         1,1,2-Trichloroethylene         10           1,2-Dichloroethylene         10         Trichloroethylene         10           1,2-Dichlorophenol         10         Vinyl Chloride         10           1,2-Dichlorophenol <t< td=""><td>Cadmium</td><td>1</td><td>Vanadium</td><td>50</td></t<>	Cadmium	1	Vanadium	50
Copper Lead         0.5 O.5 Total Residual Chlorine         10 O.0005           DIOXIN DIOX	Chromium	10	Zinc	20
Dioxin   D	Cobalt	50	Cyanide	10
Dioxin   D	Copper	0.5	Cyanide, weak acid dissociable	10
DIOXIN   2,3,7,8-TCDD	Lead	0.5	•	33
DIOXIN   0.00001	Mercury *1	0.0005		
VOLATILE COMPOUNDS   Substitute	•	0.005		
VOLATILE COMPOUNDS           Acrolein         50         1,3-Dichloropropylene         10           Acrylonitrile         20         Ethylbenzene         10           Benzene         10         Methyl Bromide         50           Bromoform         10         Methylene Chloride         20           Carbon Tetrachloride         2         1,1,2,2-Tetrachloroethane         10           Chlorobenzene         10         Tetrachloroethylene         10           Clorodibromomethane         10         Toluene         10           Chloroform         50         1,2-trans-Dichloroethylene         10           Dichlorobromomethane         10         1,1,2-Trichloroethane         10           1,2-Dichloroethylene         10         Trichloroethylene         10           1,1-Dichloroethylene         10         Vinyl Chloride         10           1,2-Dichloropropane         10         Vinyl Chloride         50           2,4-Dichlorophenol         10         Pentachlorophenol         5           2,4-Dimethylphenol         10         Phenol         10		DIOXIN		
Acrolein         50         1,3-Dichloropropylene         10           Acrylonitrile         20         Ethylbenzene         10           Benzene         10         Methyl Bromide         50           Bromoform         10         Methylene Chloride         20           Carbon Tetrachloride         2         1,1,2,2-Tetrachloroethane         10           Chlorobenzene         10         Tetrachloroethylene         10           Clorodibromomethane         10         Toluene         10           Chloroform         50         1,2-trans-Dichloroethylene         10           Dichlorobromomethane         10         1,1,2-Trichloroethylene         10           1,2-Dichloroethane         10         Trichloroethylene         10           1,1-Dichloroethylene         10         Vinyl Chloride         10           1,2-Dichloropropane         10         Vinyl Chloride         50           2-Chlorophenol         10         Pentachlorophenol         5           2,4-Dichlorophenol         10         Pentachlorophenol         5           2,4-Dimethylphenol         10         Phenol         10	2,3,7,8-TCDD	0.00001		
Acrylonitrile         20         Ethylbenzene         10           Benzene         10         Methyl Bromide         50           Bromoform         10         Methylene Chloride         20           Carbon Tetrachloride         2         1,1,2,2-Tetrachloroethane         10           Chlorobenzene         10         Tetrachloroethylene         10           Clorodibromomethane         10         Toluene         10           Chloroform         50         1,2-trans-Dichloroethylene         10           Dichlorobromomethane         10         1,1,2-Trichloroethylene         10           1,2-Dichloroethylene         10         Trichloroethylene         10           1,1-Dichloroethylene         10         Vinyl Chloride         10           1,2-Dichloropropane         10         Vinyl Chloride         10           2-Chlorophenol         10         2,4-Dinitrophenol         5           2,4-Dichlorophenol         10         Pentachlorophenol         5           2,4-Dimethylphenol         10         Phenol         10		VOLATILE (	COMPOUNDS	
Benzene 10 Methyl Bromide 50 Bromoform 10 Methylene Chloride 20 Carbon Tetrachloride 2 1,1,2,2-Tetrachloroethane 10 Chlorobenzene 10 Tetrachloroethylene 10 Clorodibromomethane 10 Toluene 10 Chloroform 50 1,2-trans-Dichloroethylene 10 Dichlorobromomethane 10 1,1,2-Trichloroethylene 10 1,2-Dichloroethane 10 Trichloroethylene 10 1,1-Dichloroethylene 10 Vinyl Chloride 10 1,2-Dichloropropane 10  ACID COMPOUNDS  2-Chlorophenol 10 2,4-Dinitrophenol 50 2,4-Dichlorophenol 10 Pentachlorophenol 5 2,4-Dimethylphenol 10 Phenol 10	Acrolein	50	1,3-Dichloropropylene	10
Bromoform 10 Methylene Chloride 20 Carbon Tetrachloride 2 1,1,2,2-Tetrachloroethane 10 Chlorobenzene 10 Tetrachloroethylene 10 Clorodibromomethane 10 Toluene 10 Chloroform 50 1,2-trans-Dichloroethylene 10 Dichlorobromomethane 10 1,1,2-Trichloroethylene 10 1,2-Dichloroethane 10 Trichloroethylene 10 1,1-Dichloroethylene 10 Vinyl Chloride 10 1,2-Dichloropropane 10  ACID COMPOUNDS  2-Chlorophenol 10 2,4-Dinitrophenol 50 2,4-Dichlorophenol 10 Pentachlorophenol 5 2,4-Dimethylphenol 10 Phenol 10	Acrylonitrile	20	Ethylbenzene	10
Carbon Tetrachloride21,1,2,2-Tetrachloroethane10Chlorobenzene10Tetrachloroethylene10Clorodibromomethane10Toluene10Chloroform501,2-trans-Dichloroethylene10Dichlorobromomethane101,1,2-Trichloroethane101,2-Dichloroethane10Trichloroethylene101,1-Dichloroethylene10Vinyl Chloride101,2-Dichloropropane102-Chlorophenol102,4-Dinitrophenol502,4-Dichlorophenol10Pentachlorophenol52,4-Dimethylphenol10Phenol10	Benzene	10	Methyl Bromide	50
Chlorobenzene10Tetrachloroethylene10Clorodibromomethane10Toluene10Chloroform501,2-trans-Dichloroethylene10Dichlorobromomethane101,1,2-Trichloroethane101,2-Dichloroethane10Trichloroethylene101,1-Dichloroethylene10Vinyl Chloride101,2-Dichloropropane10ACID COMPOUNDS2-Chlorophenol102,4-Dinitrophenol502,4-Dichlorophenol10Pentachlorophenol52,4-Dimethylphenol10Phenol10	Bromoform	10	Methylene Chloride	20
Clorodibromomethane 10 Toluene 10 Chloroform 50 1,2-trans-Dichloroethylene 10 Dichlorobromomethane 10 1,1,2-Trichloroethane 10 1,2-Dichloroethane 10 Trichloroethylene 10 1,1-Dichloroethylene 10 Vinyl Chloride 10 1,2-Dichloropropane 10  ACID COMPOUNDS  2-Chlorophenol 10 2,4-Dinitrophenol 50 2,4-Dichlorophenol 10 Pentachlorophenol 5 2,4-Dimethylphenol 10 Phenol 10	Carbon Tetrachloride	2	1,1,2,2-Tetrachloroethane	10
Chloroform501,2-trans-Dichloroethylene10Dichlorobromomethane101,1,2-Trichloroethane101,2-Dichloroethane10Trichloroethylene101,1-Dichloroethylene10Vinyl Chloride101,2-Dichloropropane10ACID COMPOUNDS2-Chlorophenol102,4-Dinitrophenol502,4-Dichlorophenol10Pentachlorophenol52,4-Dimethylphenol10Phenol10	Chlorobenzene	10	Tetrachloroethylene	10
Dichlorobromomethane 10 1,1,2-Trichloroethane 10 1,2-Dichloroethane 10 Trichloroethylene 10 1,1-Dichloroethylene 10 Vinyl Chloride 10 1,2-Dichloropropane 10  ACID COMPOUNDS  2-Chlorophenol 10 2,4-Dinitrophenol 50 2,4-Dichlorophenol 10 Pentachlorophenol 5 2,4-Dimethylphenol 10 Phenol 10	Clorodibromomethane	10	Toluene	10
1,2-Dichloroethane10Trichloroethylene101,1-Dichloroethylene10Vinyl Chloride101,2-Dichloropropane10ACID COMPOUNDS2-Chlorophenol102,4-Dinitrophenol502,4-Dichlorophenol10Pentachlorophenol52,4-Dimethylphenol10Phenol10	Chloroform	50	1,2-trans-Dichloroethylene	10
1,1-Dichloroethylene 10 Vinyl Chloride 10 1,2-Dichloropropane 10  ACID COMPOUNDS  2-Chlorophenol 10 2,4-Dinitrophenol 50 2,4-Dichlorophenol 10 Pentachlorophenol 5 2,4-Dimethylphenol 10 Phenol 10	Dichlorobromomethane	10	1,1,2-Trichloroethane	10
1,2-Dichloropropane 10  ACID COMPOUNDS  2-Chlorophenol 10 2,4-Dinitrophenol 50 2,4-Dichlorophenol 10 Pentachlorophenol 5 2,4-Dimethylphenol 10 Phenol 10	1,2-Dichloroethane	10	Trichloroethylene	10
ACID COMPOUNDS  2-Chlorophenol 10 2,4-Dinitrophenol 50 2,4-Dichlorophenol 10 Pentachlorophenol 5 2,4-Dimethylphenol 10 Phenol 10	1,1-Dichloroethylene	10	Vinyl Chloride	10
2-Chlorophenol 10 2,4-Dinitrophenol 50 2,4-Dichlorophenol 10 Pentachlorophenol 5 2,4-Dimethylphenol 10 Phenol 10	1,2-Dichloropropane	10		
2,4-Dichlorophenol10Pentachlorophenol52,4-Dimethylphenol10Phenol10		ACID COMPO	DUNDS	
2,4-Dichlorophenol10Pentachlorophenol52,4-Dimethylphenol10Phenol10	2-Chlorophenol	10	2,4-Dinitrophenol	50
2,4-Dimethylphenol 10 Phenol 10				
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	4,6-Dinitro-o-Cresol		2,4,6-Trichlorophenol	

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POLLUTANTS	MQL μg/l	POLLUTANTS	MQL μg/l
	BASE	NEUTRAL	. 0
Acenaphthene	10	Dimethyl Phthalate	10
Anthracene	10	Di-n-Butyl Phthalate	10
Benzidine	50	2,4-Dinitrotoluene	10
Benzo(a)anthracene	5	1,2-Diphenylhydrazine	20
Benzo(a)pyrene	5	Fluoranthene	10
3,4-Benzofluoranthene	10	Fluorene	10
Benzo(k)fluoranthene	5	Hexachlorobenzene	5
Bis(2-chloroethyl)Ether	10	Hexachlorobutadiene	10
Bis(2-chloroisopropyl)Ether	10	Hexachlorocyclopentadiene	10
Bis(2-ethylhexyl)Phthalate	10	Hexachloroethane	20
Butyl Benzyl Phthalate	10	Indeno(1,2,3-cd)Pyrene	5
2-Chloronapthalene	10	Isophorone	10
Chrysene	5	Nitrobenzene	10
Dibenzo(a,h)anthracene	5	n-Nitrosodimethylamine	50
1,2-Dichlorobenzene	10	n-Nitrosodi-n-Propylamine	20
1,3-Dichlorobenzene	10	n-Nitrosodiphenylamine	20
1,4-Dichlorobenzene	10	Pyrene	10
3,3'-Dichlorobenzidine	5	1,2,4-Trichlorobenzene	10
Diethyl Phthalate	10		
	PESTICID	DES AND PCBS	
Aldrin	0.01	Beta-Endosulfan	0.02
Alpha-BHC	0.05	Endosulfan sulfate	0.02
Beta-BHC	0.05	Endrin	0.02
Gamma-BHC	0.05	Endrin Aldehyde	0.1
Chlordane	0.2	Heptachlor	0.01
4,4'-DDT and derivatives	0.02	Heptachlor Epoxide	0.01
Dieldrin	0.02	PCBs	0.2
Alpha-Endosulfan	0.01	Toxaphene	0.3

(MQL's Revised November 1, 2007)

### Footnotes:

 $^*1$  Default MQL for Mercury is 0.005 unless Part I of your permit requires the more sensitive Method 1631 (Oxidation / Purge and Trap / Cold vapor Atomic Fluorescence Spectrometry), then the MQL shall be 0.0005