STATE OF MISSOURI

DEPARTMENT OF NATURAL RESOURCES

MISSOURI CLEAN WATER COMMISSION



MISSOURI STATE OPERATING PERMIT

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92nd Congress) as amended,

Permit No. MO-0126080

Owner: Continental Coal, Inc.

Address: 10801 Mastin, Suite 920, Overland Park, KS 66210

Continuing Authority: Same as above Address: Same as above

Facility Name: Hume Mine #1

Facility Address: Route #1; 2.95 miles North of Hwy A on Hwy V, Hume MO 64752

Legal Description: See following pages; Bates Co.

UTM Coordinates: See following page

Receiving Stream: See following page
First Classified Stream and ID: See following page

USGS Basin & Sub-watershed No.: all outfalls: Walnut Creek; (10290102-0602)

is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

FACILITY DESCRIPTION

Surface Coal Mining and Land Reclamation of the Mine; SIC #1221; NAICS #212111

This site consists of a number of stormwater retention basins for a coal mining and land reclamation site. Design flow not established as these are stormwater discharges associated with mining activity. This permit does not authorize the use of coal ash for reclamation of the mine, including burial or injection. This activity must receive a Beneficial Use statement from the Waste Management Program.

This permit authorizes only wastewater as stormwater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Sections 640.013, 621.250, and 644.051.6 of the Law.

November 1, 2019

Effective Date

Edward B. Galbraith, Director, Division of Environmental Quality

October 31, 2024 Expiration Date

Chris Wieberg, Director, Water Protection Program

FACILITY DESCRIPTION (CONTINUED)

OUT- FALL	Түре	LEGAL DESCRIPTION	X (North- ing)	Y (EAST- ING)	RECEIVING STREAM	First Classified Stream	STR- EAM ID
#001	bond released	n/a	n/a	n/a	n/a	n/a	n/a
#002	bond released	n/a	n/a	n/a	n/a	n/a	n/a
#003	bond released	n/a	n/a	n/a	n/a	n/a	n/a
#004	bond released	n/a	n/a	n/a	n/a	n/a	n/a
#005	post mining	Sec. 22, T39N, R33W	365248	4223202	Tributary to Gillum Creek	Gillum Creek (C)	1307
#006	bond released	n/a	n/a	n/a	n/a	n/a	n/a
#007	reclaimed	n/a	n/a	n/a	n/a	n/a	n/a
#008	post mining	Sec. 22, T39N, R33W	365304	4223523	Tributary to Gillum Creek	Gillum Creek (C)	1307
#009	post mining	Sec. 22, T39N, R33W	364176	4223566	Tributary to Walnut Creek	Walnut Creek (C)	1306
#010	flows to #015	n/a	n/a	n/a	n/a	n/a	n/a
#011	post mining	Sec. 22, T39N, R33W	365338	4224016	Tributary to Gillum Creek	Gillum Creek (C)	1307
#012	flows to #013	n/a	n/a	n/a	n/a	n/a	n/a
#013	post mining	Sec. 22, T39N, R33W	365229	4224622	Tributary to Walnut Creek	Walnut Creek (C)	1306
#014	not constructed	n/a	n/a	n/a	n/a	n/a	n/a
#015	post mining	Sec. 22, T39N, R33W	364431	4224666	Tributary to Walnut Creek	Walnut Creek (C)	1306
#016	post mining	Sec. 28, T39N, R33W	363233	4222741	Tributary to Walnut Creek	Walnut Creek (C)	1306
#017	post mining	Sec. 28, T39N, R33W	362895	42228889	Tributary to Walnut Creek	Walnut Creek (C)	1306
#018	post mining	Sec. 21 T39N, R33W	362839	4223203	Tributary to Walnut Creek	Walnut Creek (C)	1306
#019	not constructed	n/a	n/a	n/a	n/a	n/a	n/a
#020	post mining	Sec. 21, T39N, R33W	363288	4223542	Tributary to Walnut Creek	Walnut Creek (C)	1306
#021	flows to #022	n/a	n/a	n/a	n/a	n/a	n/a
#022	post mining	Sec. 21, T39N, R33W	363550	4223636	Tributary to Walnut Creek	Walnut Creek (C)	1306
#023	post mining	Sec. 21, T39N, R33W	363641	4223888	Tributary to Walnut Creek	Walnut Creek (C)	1306
#024	post mining	Sec. 21, T39N, R33W	363810	4224163	Tributary to Walnut Creek	Walnut Creek (C)	1306
#025	post mining	Sec. 21, T39N, R33W	364182	4224215	Tributary to Walnut Creek	Walnut Creek (C)	1306

Bond Released: means the time at which the appropriate regulatory authority returns a reclamation or performance bond based upon its determination that reclamation work (including, in the case of underground mines, mine sealing and abandonment procedures) has been satisfactorily completed. When the bond is released, NPDES permit is no longer required to be maintained in that area.

Post Mining Areas: the surface area of a coal mine which has been returned to required contour and on which re-vegetation (specifically, seeding or planting) work has commenced.

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A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

OUTFALLS #005, #008, #009, #011, #012, #013, #015, #016, #017, #018, #020, #021, #022, #023, #024, #025

TABLE A FINAL EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective on November 1, 2019 and remain in effect until expiration of the permit. Such discharges shall be controlled, limited, and monitored by the permittee as specified below:

E	I I same	Final Ei	FFLUENT LIMI	TATIONS	MONITORING REQUIREMENTS	
EFFLUENT PARAMETERS	Units	DAILY	WEEKLY	MONTHLY	MEASUREMENT	SAMPLE
		MAXIMUM	Average	AVERAGE	Frequency	TYPE
LIMIT SET: M						
POST MINING AREAS						
Flow	MGD	*		*	once/month	grab
pH [†]	SU	6.5 to 9.0		6.5 to 9.0	once/month	grab
Settleable Solids	mL/L/hr	0.5		0.5	once/month	grab

MONITORING REPORTS SHALL BE SUBMITTED MONTHLY; THE FIRST REPORT IS DUE <u>DECEMBER 28, 2019</u>. THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.

† pH: the facility will report the minimum and maximum values; pH is not to be averaged.

B. STANDARD CONDITIONS

In addition to specified conditions stated herein, this permit is subject to the attached <u>Part I</u> standard conditions dated <u>August 1, 2014</u>, and hereby incorporated as though fully set forth herein.

C. SPECIAL CONDITIONS

- 1. Settling ponds must be designed to hold and treat rainfall runoff from tributary areas equal to or greater than a 10-year, 24-hour rainfall event. All discharges from the mine permit area are subject to this permit.
- 2. Spills, Overflows, and Other Unauthorized Discharges.
 - (a) Any spill, overflow, or other discharge(s) not specifically authorized above are unauthorized discharges.
 - (b) Should an unauthorized discharge cause or permit any contaminants to discharge or enter waters of the state, the unauthorized discharge must be reported to the regional office as soon as practicable but no more than 24 hours after the discovery of the discharge. If the spill or overflow needs to be reported after normal business hours or on the weekend, the facility must call the Department's 24 hour spill line at 573-634-2436.
- 3. Electronic Discharge Monitoring Report (eDMR) Submission System.
 - (a) Discharge Monitoring Reporting Requirements. The permittee must electronically submit compliance monitoring data via the eDMR system. Standard Conditions Part I, Section B, #7 indicates the eDMR system is currently the only Department approved reporting method for this permit.
 - (b) Programmatic Reporting Requirements. All reports must be electronically submitted as an attachment to the eDMR system until such a time when the current or a new system is available to allow direct input of the data. After such a system has been made available by the Department, required data shall be directly input into the system by the next report due date
 - (1) Schedule of Compliance Progress Reports;
 - (2) Any additional report required by the permit excluding bypass reporting.
 - (c) The following shall be submitted electronically after such a system has been made available by the Department:
 - (1) General Permit Applications/Notices of Intent to discharge (NOIs);
 - (2) Notices of Termination (NOTs);
 - (3) No Exposure Certifications (NOEs);
 - (4) Low Erosivity Waivers, and Other Waivers from Stormwater Controls (LEWs); and

^{*} Monitoring and reporting requirement only

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C. SPECIAL CONDITIONS (CONTINUED)

- (5) Bypass reporting.
- (d) Electronic Submission: access the eDMR system via: https://edmr.dnr.mo.gov/edmr/E2/Shared/Pages/Main/Login.aspx
- (e) Electronic Reporting Waivers. The permittee must electronically submit compliance monitoring data and reports unless a waiver is granted by the Department in compliance with 40 CFR Part 127. The permittee may obtain an electronic reporting waiver by first submitting an eDMR Waiver Request Form: http://dnr.mo.gov/forms/780-2692-f.pdf. The Department will either approve or deny this electronic reporting waiver request within 120 calendar days. Only permittees with an approved waiver request may submit monitoring data and reports on paper to the Department for the period the approved electronic reporting waiver is effective.
- 4. Stormwater Pollution Prevention Plan (SWPPP).

The facility's SIC code or description is found in 40 CFR 122.26(b)(14) and/or 10 CSR 20-6.200(2) and hence shall implement a Stormwater Pollution Prevention Plan (SWPPP) which must be prepared and implemented upon permit effective date. The SWPPP must be kept on-site and should not be sent to the Department unless specifically requested. The SWPPP must be reviewed and updated annually or if site conditions affecting stormwater change. The permittee shall select, install, use, operate, and maintain the Best Management Practices prescribed in the SWPPP in accordance with the concepts and methods described in: Developing Your Stormwater Pollution Prevention Plan, A Guide for Industrial Operators, (EPA 833-B-09-002) published by the EPA in 2015 https://www.epa.gov/sites/production/files/2015-11/documents/swppp guide industrial 2015.pdf The purpose of the SWPPP and the Best Management Practices (BMPs) listed herein is the prevention of pollution of waters of the state. A deficiency of a BMP means it was not effective at preventing pollution [10 CSR 20-2.010(56)] to waters of the state. Corrective action describes the steps the facility took to eliminate the deficiency.

The SWPPP must include:

- (a) A listing of specific contaminants and their control measures (or BMPs) and a narrative explaining how BMPs are implemented to control and minimize the amount of contaminants potentially entering stormwater.
- (b) A map with all outfalls and structural BMPs marked.
- (c) A schedule for at least once per month site inspections and brief written reports. The inspection report must include precipitation information for the entire period since last inspection, as well as observations and evaluations of BMP effectiveness. Throughout coverage under this permit, the facility must perform ongoing SWPPP review and revision to incorporate any site condition changes.
 - i. Operational deficiencies must be corrected within seven (7) calendar days.
 - ii. Minor structural deficiencies must be corrected within fourteen (14) calendar days.
 - iii. Major structural deficiencies (deficiencies projected to take longer than 14 days to correct) must be reported as an uploaded attachment through the eDMR system with the DMRs. The initial report shall consist of the deficiency noted, the proposed remedies, the interim or temporary remedies (including proposed timing of the placement of the interim measures), and an estimate of the timeframe needed to wholly complete the repairs or construction. If required by the Department, the permittee shall work with the regional office to determine the best course of action. The permittee should consider temporary structures to control stormwater runoff. The facility shall correct the major structural deficiency as soon as reasonably achievable.
 - iv. All actions taken to correct the deficiencies shall be included with the written report, including photographs, and kept with the SWPPP. Additionally, corrective action of major structural deficiencies shall be reported as an uploaded attachment through the eDMR system with the DMRs.
 - v. BMP failure causing discharge through an unregistered outfall is considered an illicit discharge and must be reported in accordance with Standard Conditions Part I.
 - vi. Inspection reports must be kept on site with the SWPPP and maintained for a period of five (5) years. These must be made available to Department personnel upon request. Electronic versions of the documents and photographs are acceptable.
- (d) A provision for designating an individual to be responsible for environmental matters and a provision for providing training to all personnel involved in housekeeping, material handling (including but not limited to loading and unloading), storage, and staging of all operational, maintenance, storage, and cleaning areas. Proof of training shall be submitted upon request by the Department.

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C. SPECIAL CONDITIONS (CONTINUED)

- 5. Site-wide minimum Best Management Practices (BMPs). At a minimum, the permittee shall adhere to the following:
 - (a) Prevent the spillage or loss of fluids, oil, grease, fuel, etc. from vehicle maintenance, equipment cleaning, warehouse activities, and other areas, and thereby prevent the contamination of stormwater from these substances.
 - (b) Ensure adequate provisions are provided to prevent and to protect embankments from erosion.
 - (c) Provide collection facilities and arrange for proper disposal of waste products including but not limited to petroleum waste products, and solvents.
 - (a) Store all paint, solvents, petroleum products and petroleum waste products (except fuels), and storage containers (such as drums, cans, or cartons) so these materials are not exposed to stormwater or provide other prescribed BMPs such as plastic lids and/or portable spill pans to prevent the commingling of stormwater with container contents. Commingled water may not be discharged under this permit. Provide spill prevention control, and/or management sufficient to prevent any spills of these pollutants from entering waters of the state. Any containment system used to implement this requirement shall be constructed of materials compatible with the substances contained and shall also prevent the contamination of groundwater. Spill records should be retained on-site.
 - (b) Provide good housekeeping practices on the site to keep trash from entry into waters of the state.
 - (c) Provide sediment and erosion control sufficient to prevent or control sediment loss off of the property.
- 6. Petroleum Secondary Containment.

Before releasing water accumulated in petroleum secondary containment areas, it must be examined for hydrocarbon odor and presence of sheen to protect the general criteria found at 10 CSR 20-7.031(4).

- (a) If odor or sheen is found, the water shall not be discharged without treatment and shall be disposed of in accordance with legally approved methods, such as being sent to an accepting wastewater treatment facility.
- (b) If the facility wishes to discharge the accumulated stormwater with hydrocarbon odor or presence of sheen, the water shall be treated using an appropriate removal method. Following treatment and before release, the water shall be tested for oil and grease, benzene, toluene, ethylbenzene, and xylene using 40 CFR part 136 methods. All pollutant levels must be below the most protective, applicable standards for the receiving stream, found in 10 CSR 20-7.031 Table A before discharge is authorized. Records of all testing and treatment of water accumulated in secondary containment shall be stored in the SWPPP and be available on demand to the Department.
- 7. The full implementation of this operating permit, which includes implementation of any applicable schedules of compliance, shall constitute compliance with all applicable federal and state statutes and regulations in accordance with §644.051.16, RSMo, and the CWA section 402(k); however, this permit may be reopened and modified, or alternatively revoked and reissued to comply with any applicable effluent standard or limitation issued or approved under Clean Water Act Sections 301(b)(2)(C) and (D), §304(b)(2), and §307(a) (2), if the effluent standard or limitation so issued or approved contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or controls any pollutant not limited in the permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, termination, notice of planned changes, or anticipated non-compliance does not stay any permit condition.
- 8. All outfalls and permitted features must be clearly marked in the field.
- 9. Report no discharge when a discharge does not occur during the report period. It is a violation of this permit to report nodischarge when a discharge has occurred.
- 10. Changes in Discharges of Toxic Pollutant.

In addition to the reporting requirements under §122.41(1), all existing manufacturing, commercial, mining, and silvicultural dischargers must notify the Director as soon as they know or have reason to believe:

- (a) That an activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following notification levels:
 - (1) One hundred micrograms per liter (100 μg/L);
 - (2) Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile;
 - (3) Five hundred micrograms per liter (500 µg/L) for 2,4-dinitrophenol and for 2-methyl-4, 6-dinitrophenol;
 - (4) One milligram per liter (1 mg/L) for antimony;
 - (5) Five (5) times the maximum concentration value reported for the pollutant in the permit application in accordance with 40 CFR 122.21(g)(7); or
 - (6) The notification level established by the Department in accordance with 40 CFR 122.44(f).
- (b) That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":

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C. SPECIAL CONDITIONS (CONTINUED)

- (1) Five hundred micrograms per liter (500 μg/l);
- (2) One milligram per liter (1 mg/l) for antimony;
- (3) Ten (10) times the maximum concentration value reported for that pollutant in the permit application in accordance with §122.21(g)(7).
- (4) The level established by the Director in accordance with §122.44(f).

11. Reporting of Non-Detects.

- (a) An analysis conducted by the permittee or their contracted laboratory shall be conducted in such a way the precision and accuracy of the analyzed result can be enumerated.
- (b) The permittee shall not report a sample result as "non-detect" without also reporting the detection limit of the test or the reporting limit of the laboratory. Reporting as "non-detect" without also including the detection/reporting limit will be considered failure to report, which is a violation of this permit.
- (c) The permittee shall report the non-detect result using the less than "<" symbol and the laboratory's detection/reporting limit (e.g. <6).
- (d) See sufficiently sensitive method requirements in Standard Conditions Part I, Section A, #4 regarding proper detection limits used for sample analysis.
- (e) When calculating monthly averages, one-half of the minimum detection limit (MDL) should be used instead of a zero. Where all data are below the MDL, the "<MDL" shall be reported as indicated in item (C).
- 12. Failure to pay fees associated with this permit is a violation of the Missouri Clean Water Law (644.055 RSMo).
- 13. This permit does not cover solid waste disposal activities.
- 14. This permit does not authorize the placement of fill materials in flood plains, placement of solid materials into any waterway, the obstruction of stream flow, or changing the channel of a defined drainage course. The facility must contact the U.S. Army Corps of Engineers (Corps) to determine if a CWA §404 Department of Army permit is required.

MISSOURI DEPARTMENT OF NATURAL RESOURCES FACT SHEET FOR THE PURPOSE OF RENEWAL OF MO-0126080 HUME MINE #1

The Federal Water Pollution Control Act ("Clean Water Act" Section 402 Public Law 92-500 as amended) established the National Pollutant Discharge Elimination System (NPDES) permit program. This program regulates the discharge of pollutants from point sources into the waters of the United States, and the release of stormwater from certain point sources. All such discharges are unlawful without a permit (Section 301 of the "Clean Water Act"). After a permit is obtained, a discharge not in compliance with all permit terms and conditions is unlawful. Missouri State Operating Permits (MSOPs) are issued by the Director of the Missouri Department of Natural Resources (Department) under an approved program, operating in accordance with federal and state laws (Federal "Clean Water Act" and "Missouri Clean Water Law" Section 644 as amended). MSOPs are issued for a period of five (5) years unless otherwise specified for less.

As per [40 CFR Part 124.8(a)] and [10 CSR 20-6.020(1)(A)2.] a factsheet shall be prepared to give pertinent information regarding the applicable regulations, rationale for the development of effluent limitations and conditions, and the public participation process for the Missouri State Operating Permit (MSOP or operating permit) listed below. A factsheet is not an enforceable part of an operating permit.

PART I. FACILITY INFORMATION

Facility Type: Industrial – Categorical; >1 MGD

 SIC Code(s):
 1221

 NAICS Code(s):
 212111

 Application Date:
 04/18/2016

 Modification Date:
 04/08/2014

 Expiration Date:
 10/18/2016

 Last Inspection:
 05/10/2016

FACILITY DESCRIPTION:

Surface Coal Mining and Land Reclamation. The charter number for the continuing authority for this facility is 00412178; this number was verified by the permit writer to be associated with the facility and precisely matches the continuing authority reported by the facility. In accordance with 40 CFR 122.21(f)(6), the Department evaluated other permits currently held by this facility. This facility has the following permits: DNR land reclamation permit, DNR air program permit. Surface coal mines are applicable to an ELG. In a letter dated January 30, 2019, the facility disclosed all outfalls were switched to post-mining.

PERMITTED FEATURES:

See page 2 of the permit.

FACILITY PERFORMANCE HISTORY & COMMENTS:

The electronic discharge monitoring reports were reviewed for the last five years.

		momeoring reports .							
OF #	MONITORING PERIOD ENDING DATE	PARAMETER	Units	Limit	Limit	REPORTED	LIMIT	Limit	REPORTED
003	05/31/2017	pН	SU	6.5	Minimum	6.44	9.0	Maximum	6.44
		Settleable Solids			Daily				
003	10/31/2014	(SS)	mg/L	0.5	Max.	4.5	0.5	Monthly Avg.	2.4
005	06/30/2014	pН	SU	6.5	Minimum	6.09	9.0	Maximum	7.94
		Iron, total			Daily				
025	07/31/2015	recoverable	mg/L	7.0	Max.	9.2	3.5	Monthly Avg.	3.8
		Total Suspended			Daily				
025	07/31/2015	Solids (TSS)	mg/L	70	Max.	102	35	Monthly Avg.	36

FACILITY MAP:



PART II. RECEIVING WATERBODY INFORMATION

RECEIVING WATERBODY'S WATER QUALITY:

The receiving waterbody has no concurrent water quality data available.

303(D) LIST:

Section 303(d) of the federal Clean Water Act requires each state identify waters not meeting water quality standards and for which adequate water pollution controls have not been required. Water quality standards protect such beneficial uses of water as whole body contact (such as swimming), maintaining fish and other aquatic life, and providing drinking water for people, livestock, and wildlife. The 303(d) list helps state and federal agencies keep track of impaired waters not addressed by normal water pollution control programs. http://dnr.mo.gov/env/wpp/waterquality/303d/303d.htm

✓ Not applicable; this facility does not discharge to an impaired segment of a 303(d) listed stream.

TOTAL MAXIMUM DAILY LOAD (TMDL):

A TMDL is a calculation of the maximum amount of a given pollutant a water body can absorb before its water quality is affected; hence, the purpose of a TMDL is to determine the pollutant loading a specific waterbody can assimilate without exceeding water quality standards. If a water body is determined to be impaired as listed on the 303(d) list, then a watershed management plan or TMDL may be developed. The TMDL shall include the WLA calculation. http://dnr.mo.gov/env/wpp/tmdl/

✓ Not applicable; this facility does not discharge to a waterbody/watershed with a TMDL.

UPSTREAM OR DOWNSTREAM IMPAIRMENTS:

The permit writer has reviewed upstream and downstream stream segments of this facility for impairments.

✓ The permit writer has noted no upstream or downstream impairments near this facility.

APPLICABLE DESIGNATIONS OF WATERS OF THE STATE:

Per Missouri's Effluent Regulations [10 CSR 20-7.015(1)(B)], waters of the state are divided into seven categories. This facility is subject to effluent limitations derived on a site specific basis which are presented in each outfall's effluent limitation table and further discussed in Part IV: Effluents Limits Determinations

✓ All Other Waters

RECEIVING WATERBODY TABLE:

OUTFALL	WATERBODY NAME	CLASS	WBID	DESIGNATED USES	12-digit HUC
#003, #004, #005,	Tributary to Gillum Creek	n/a	n/a	GEN	
#008, #011, #014	Gillum Creek	С	1307	GEN, HHP, IRR, LWW, SCR, WBC-B, WWH (ALP)	
#006, #007, #009, #010, #012, #013,	Tributary to Walnut Creek	n/a	n/a	GEN	Walnut Creek 10290102-0602
#015, #016, #017, #018, #019, #020, #021, #022, #023, #024, #025	Walnut Creek	С	1306	GEN, HHP, IRR, LWW, SCR, WBC-B, WWH (ALP)	102/0102 0002

n/a not applicable

Classes are hydrologic classes as defined in 10 CSR 20-7.031(1)(F). L1: Lakes with drinking water supply - wastewater discharges are not permitted to occur to L1 watersheds per 10 CSR 20-7.015(3)(C); L2: major reservoirs; L3: all other public and private lakes; P: permanent streams; C: streams which may cease flow in dry periods but maintain pools supporting aquatic life; E: streams which do not maintain surface flow; and W: wetland. Losing streams are defined in 10 CSR 20-7.031(1)(O) and are designated on the Losing Stream dataset or determined by the Department to lose 30% or more of flow to the subsurface.

WBID = Waterbody Identification: Missouri Use Designation Dataset per 10 CSR 20-7.031(1)(Q) and (S) as 8-20-13 MUDD V1.0 or newer; data can be found as an ArcGIS shapefile on MSDIS at ftp://msdis.missouri.edu/pub/Inland_Water-Resources/MO_2014_WQS_Stream_Classifications_and_Use_shp.zip; New C streams described on the dataset per 10 CSR 20-7.031(2)(A)3. as 100K Extent Remaining Streams.

Per 10 CSR 20-7.031, the Department defines the Clean Water Commission's water quality objectives in terms of "water uses to be maintained and the criteria to protect those uses." The receiving stream and 1st classified receiving stream's beneficial water uses are to be maintained in the receiving streams in accordance with [10 CSR 20-7.031(1)(C)]. Uses which may be found in the receiving streams table, above:

10 CSR 20-7.031(1)(C)1.: **ALP** = Aquatic Life Protection (formerly AQL; current uses are defined to ensure the protection and propagation of fish shellfish and wildlife, further subcategorized as: WWH = Warm Water Habitat; CLH = Cool Water Habitat; CDH = Cold Water Habitat; EAH = Ephemeral Aquatic Habitat; MAH = Modified Aquatic Habitat; LAH = Limited Aquatic Habitat. This permit uses ALP effluent limitations in 10 CSR 20-7.031 Table A1-A2 for all habitat designations unless otherwise specified.

10 CSR 20-7.031(1)(C)2.: Recreation in and on the water

WBC = Whole Body Contact recreation where the entire body is capable of being submerged;

WBC-A = whole body contact recreation supporting swimming uses and has public access;

WBC-B = whole body contact recreation not supported in WBC-A;

SCR = Secondary Contact Recreation (like fishing, wading, and boating)

10 CSR 20-7.031(1)(C)3. to 7.:

HHP (formerly HHF) = Human Health Protection as it relates to the consumption of fish and drinking of water;

IRR = irrigation for use on crops utilized for human or livestock consumption

LWW = Livestock and Wildlife Watering (current narrative use is defined as LWP = Livestock and Wildlife Protection);

DWS = Drinking Water Supply

IND = industrial water supply

10 CSR 20-7.031(1)(C)8-11.: Wetlands (10 CSR 20-7.031 Tables A1-B3 currently does not have corresponding habitat use criteria for these defined uses): WSA = storm- and flood-water storage and attenuation; WHP = habitat for resident and migratory wildlife species; WRC = recreational, cultural, educational, scientific, and natural aesthetic values and uses; WHC = hydrologic cycle maintenance.

10 CSR 20-7.031(6): **GRW** = Groundwater

RECEIVING WATERBODY MONITORING REQUIREMENTS:

No receiving water monitoring requirements are recommended at this time.

MIXING CONSIDERATIONS:

For all outfalls, mixing zone and zone of initial dilution are not allowed per 10 CSR 20-7.031(5)(A)4.B.(I)(a) and (b), as the base stream flow does not provide dilution to the effluent.

PART III. RATIONALE AND DERIVATION OF PERMIT CONDITIONS

ALTERNATIVE EVALUATIONS FOR NEW FACILITIES:

As per [10 CSR 20-7.015(4)(A)], discharges to losing streams shall be permitted only after other alternatives including land application, discharges to a gaining stream and connection to a regional wastewater treatment facility have been evaluated and determined to be unacceptable for environmental and/or economic reasons.

✓ Not applicable; the facility is an existing facility.

ANTIBACKSLIDING:

Federal Regulations [CWA §303(d)(4); CWA §402(c); 40 CFR Part 122.44(l)] require a reissued permit to be as stringent as the previous permit with some exceptions. Backsliding (a less stringent permit limitation) is only allowed under certain conditions.

- ✓ Limitations in this operating permit for the reissuance conform to the anti-backsliding provisions of Section 402(o) of the Clean Water Act, and 40 CFR Part 122.44.
 - Material and substantial alterations or additions to the permitted facility occurred after permit issuance justify the application of a less stringent effluent limitation.
 - The facility has disclosed the entire mine is now in post mining status therefore all conditions relating to active mining
 were removed. This includes monitoring for precipitation, effluent limits for TSS, and effluent limits for total
 recoverable iron.
 - Outfalls #003, #004, and #006 were removed as the bond has been released.
 - Outfall #010 was removed from permitting requirements as it flows to outfall #015 at this time.
 - ✓ The Department determined technical mistakes or mistaken interpretations of law were made in issuing the permit under section 402(a)(1)(b).
 - The previous permit special conditions contained a specific set of prohibitions related to general criteria (GC) found in 10 CSR 20-7.031(4); however, there was no determination as to whether the discharges have reasonable potential to cause or contribute to excursion of those general water quality criteria in the previous permit. This permit assesses each general criteria as listed in the previous permit's special conditions. Federal regulations 40 CFR 122.44(d)(1)(iii) requires instances where reasonable potential (RP) to cause or contribute to an exceedance of a water quality standard exists, a numeric limitation must be included in the permit. Rather than conducting the appropriate RP determination, the previous permit simply placed the prohibitions in the permit. These conditions were removed from the permit. Appropriate reasonable potential determinations were conducted for each general criterion listed in 10 CSR 20-7.031(4)(A) through (I) and effluent limitations were placed in the permit for those general criteria where it was determined the discharge had reasonable potential to cause or contribute to excursions of the general criteria. Specific effluent limitations were not included for those general criteria where it was determined the discharges will not cause or contribute to excursions of general criteria. Removal of the prohibitions does not reduce the protections of the permit or allow for impairment of the receiving stream. The permit maintains sufficient effluent limitations, monitoring requirements and best management practices to protect water quality while maintaining permit conditions applicable to permittee disclosures and in accordance with 10 CSR 20-7.031(4) where no water contaminant by itself or in combination with other substances shall prevent the water of the state from meeting the following conditions:
 - (A) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses.

- For all outfalls, there is no RP for putrescent bottom deposits preventing full maintenance of beneficial uses because nothing disclosed by the permittee indicates putrescent wastewater would be discharged from the facility.
- For all outfalls, there is RP for unsightly or harmful bottom deposits preventing full maintenance of beneficial uses; this permit establishes limits for solids which will also protect water quality.
- (B) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses.
 - For all outfalls, there is no RP for oil in sufficient amounts to be unsightly preventing full maintenance of beneficial uses because nothing disclosed by the permittee indicates oil will be present in sufficient amounts to impair beneficial uses.
 - For all outfalls, there is no RP for scum and floating debris in sufficient amounts to be unsightly preventing full maintenance of beneficial uses because nothing disclosed by the permittee indicates scum and floating debris will be present in sufficient amounts to impair beneficial uses.
- (C) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses.
 - For all outfalls, there is no RP for unsightly color or turbidity in sufficient amounts preventing full maintenance
 of beneficial uses because nothing disclosed by the permittee indicates unsightly color or turbidity will be
 present in sufficient amounts to impair beneficial uses.
 - For all outfalls, there is no RP for offensive odor in sufficient amounts preventing full maintenance of beneficial uses because nothing disclosed by the permittee indicates offensive odor will be present in sufficient amounts to impair beneficial uses.
- (D) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life.
 - The permit writer considered specific toxic pollutants when writing this permit. Numeric effluent limitations are included for those pollutants could be discharged in toxic amounts. These effluent limitations are protective of human health, animals, and aquatic life.
- (E) There shall be no significant human health hazard from incidental contact with the water.
 - This criterion is very similar to (D) above. See Part IV, Effluent Limits Derivation below.
- (F) There shall be no acute toxicity to livestock or wildlife watering.
 - This criterion is very similar to (D) above. See Part IV, Effluent Limits Derivation below.
- (G) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community.
 - For all outfalls, there is no RP for physical changes impairing the natural biological community because nothing disclosed by the permittee indicates this is occurring.
 - It has been established any chemical changes are covered by the specific numeric effluent limitations established in the permit.
 - For all outfalls, there is no RP for hydrologic changes impairing the natural biological community because nothing disclosed by the permittee indicates this is occurring.
- (H) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247.
 - There are no solid waste disposal activities or any solid waste operations (per the above reference) which has reasonable potential to cause or contribute to the materials listed above being discharged through any outfall.

ANTIDEGRADATION REVIEW:

Process water discharges with new, altered, or expanding flows, the Department is to document, by means of antidegradation review, if the use of a water body's available assimilative capacity is justified. In accordance with Missouri's water quality regulations for antidegradation [10 CSR 20-7.031(3)], degradation may be justified by documenting the socio-economic importance of a discharge after determining the necessity of the discharge. Facilities must submit the antidegradation review request to the Department prior to establishing, altering, or expanding discharges. See http://dnr.mo.gov/env/wpp/permits/antideg-implementation.htm

✓ Not applicable; the facility has not submitted information proposing expanded or altered process water discharge; no further degradation proposed therefore no further review necessary.

This permit requires the development and implementation of a Stormwater Pollution Prevention Plan (SWPPP) which must include an alternative analysis (AA) of the BMPs. The SWPPP must be developed, implemented, updated, and maintained at the facility. Failure to implement and maintain the chosen alternative, is a permit violation. The AA is a structured evaluation of BMPs to determine which are reasonable and cost effective. Analysis should include practices designed to be 1) non-degrading, 2) less degrading, or 3) degrading water quality. The chosen BMP will be the most reasonable and cost effective while ensuring the highest statutory and regulatory requirements are achieved and the highest quality water attainable for the facility is discharged. The analysis must demonstrate why "no discharge" or "no exposure" are not feasible alternatives at the facility. Existing facilities with established

SWPPs and BMPs need not conduct an additional alternatives analysis unless new BMPs are established to address BMP failures or benchmark exceedances. This structured analysis of BMPs serves as the antidegradation review, fulfilling the requirements of 10 CSR 20-7.015(9)(A)5 and 7.031(3). For stormwater discharges with new, altered, or expanding discharges, the stormwater BMP chosen for the facility, through the AA performed by the facility, must be implemented and maintained at the facility. Failure to implement and maintain the chosen BMP alternative is a permit violation; see SWPPP.

✓ Applicable; the facility must review and maintain stormwater BMPs as appropriate.

BEST MANAGEMENT PRACTICES:

Minimum site-wide best management practices are established in this permit to assure all permittees are managing their sites equally to protect waters of the state from certain activities which could cause negative effects in receiving water bodies. While not all sites require a SWPPP because the SIC codes are specifically exempted in 40 CFR 122.26(b)(14), these best management practices are not specifically included for stormwater purposes. These practices are minimum requirements for all industrial sites to protect waters of the state. If the minimum best management practices are not followed, the facility may violate general criteria [10 CSR 20-7.031(4)]. Statutes are applicable to all permitted facilities in the state, therefore pollutants cannot be released unless in accordance with RSMo 644.011 and 644.016 (17).

CHANGES IN DISCHARGES OF TOXIC POLLUTANT:

This special condition reiterates the federal rules found in 40 CFR 122.44(f) and 122.42(a)(1). In these rules, the facility is required to report changes in amounts of toxic substances discharged. Toxic substances are defined in 40 CFR 122.2 as "...any pollutant listed as toxic under section 307(a)(1) or, in the case of "sludge use or disposal practices," any pollutant identified in regulations implementing section 405(d) of the CWA." Section 307 of the clean water act then refers to those parameters found in 40 CFR 401.15. The permittee should also consider any other toxic pollutant in the discharge as reportable under this condition.

COMPLIANCE AND ENFORCEMENT:

Enforcement is the action taken by the Water Protection Program (WPP) to bring an entity into compliance with the Missouri Clean Water Law, its implementing regulations, and/or any terms and conditions of an operating permit. The primary purpose of the enforcement activity in the WPP is to resolve violations and return the entity to compliance.

✓ Not applicable; the permittee/facility is not currently under Water Protection Program enforcement action.

DOMESTIC WASTEWATER, SLUDGE, AND BIOSOLIDS:

Domestic wastewater is defined as wastewater (i.e., human sewage) originating primarily from the sanitary conveyances of bathrooms and kitchens. Domestic wastewater excludes stormwater, animal waste, process waste, and other similar waste.

✓ Not applicable; this facility does not manage domestic wastewater on-site.

Sewage sludge is solid, semi-solid, or liquid residue generated during the treatment of domestic sewage in a treatment works; including but not limited to, domestic septage; scum or solids removed in primary, secondary, or advanced wastewater treatment process; and material derived from sewage sludge. Sewage sludge does not include ash generated during the firing of sewage sludge in a sewage sludge incinerator or grit and screening generated during preliminary treatment of domestic sewage in a treatment works. Biosolids are solid materials resulting from domestic wastewater treatment meeting federal and state criteria for productive use (i.e. fertilizer) and after having pathogens removed.

Additional information: http://extension.missouri.edu/main/DisplayCategory.aspx?C=74 (WQ422 through WQ449).

✓ Not applicable; the facility does not manage domestic wastewater on-site.

EFFLUENT LIMITATIONS:

Effluent limitations derived and established for this permit are based on current operations of the facility and applied per 10 CSR 20-7.015(9)(A). Any flow through the outfall is considered a discharge and must be sampled and reported as provided in the permit. Future permit action due to facility modification may contain new operating permit terms and conditions which supersede the terms and conditions, including effluent limitations, of this operating permit. Daily maximums and monthly averages are required per 40 CFR 122.45(d)(1) for continuous discharges (not from a POTW).

EFFLUENT LIMITATION GUIDELINE:

Effluent Limitation Guidelines, or ELGs, are found at 40 CFR 400-499. These are limitations established by the EPA based on the SIC code and the type of work a facility is conducting. Most ELGs are for process wastewater and some address stormwater. All are technology based limitations which must be met by the applicable facility at all times.

✓ The facility has an associated Effluent Limit Guideline (ELG) at 40 CFR 434 Subpart D and E applicable to the wastewater as stormwater discharge at this site, and is applied under 40 CFR 125.3(a). Should Reasonable Potential be established for any particular parameter, and water-quality derived effluent limits are more protective of the receiving water's quality, the WQS will be used as the limiting factor in accordance with 40 CFR 122.44(d) and 10 CSR 20-7.015(9)(A). See Part IV: EFFLUENT LIMITS DETERMINATION.

ELECTRONIC DISCHARGE MONITORING REPORT (EDMR) SUBMISSION SYSTEM:

The U.S. Environmental Protection Agency (EPA) promulgated a final rule on October 22, 2015, to modernize Clean Water Act reporting for municipalities, industries, and other facilities by converting to an electronic data reporting system. The final rule requires regulated entities and state and federal regulators to use information technology to electronically report data required by the National Pollutant Discharge Elimination System (NPDES) permit program instead of filing paper reports. To comply with the federal rule, the Department is requiring all permittees to begin submitting discharge monitoring data and reports online.

Per 40 CFR 127.15 and 127.24, permitted facilities may request a temporary waiver for up to 5 years or a permanent waiver from electronic reporting from the Department. To obtain an electronic reporting waiver, a permittee must first submit an eDMR Waiver Request Form: http://dnr.mo.gov/forms/780-2692-f.pdf. A request must be made for each facility. If more than one facility is owned or operated by a single entity, then the entity must submit a separate request for each facility based on its specific circumstances. An approved waiver is not transferable.

The Department must review and notify the facility within 120 calendar days of receipt if the waiver request has been approved or rejected [40 CFR 124.27(a)]. During the Department review period as well as after a waiver is granted, the facility must continue submitting a hard-copy of any reports required by their permit. The Department will enter data submitted in hard-copy from those facilities allowed to do so and electronically submit the data to the EPA on behalf of the facility.

To assist the facility in entering data into the eDMR system, the permit describes limit sets in each table in Part A of the permit. The data entry personnel should use these identifiers to assure data entry is being completed appropriately.

✓ The permittee/facility is currently using the eDMR data reporting system.

GENERAL CRITERIA CONSIDERATIONS:

In accordance with 40 CFR 122.44(d)(1), effluent limitations shall be placed into permits for pollutants determined to cause, have reasonable potential to cause, or to contribute to, an excursion above any water quality standard, including narrative water quality criteria. In order to comply with this regulation, the permit writer has completed a reasonable potential determination on whether discharges have reasonable potential to cause, or contribute to an excursion of the general criteria listed in 10 CSR 20-7.031(4). In instances where reasonable potential exists, the permit includes limitations within the permit to address the reasonable potential. In discharges where reasonable potential does not exist, the permit may include monitoring to later determine the discharge's potential to impact the narrative criteria. Additionally, §644.076.1, RSMo as well as Section D – Administrative Requirements of Standard Conditions Part I of this permit state it shall be unlawful for any person to cause or allow any discharge of water contaminants from any water contaminant or point source located in Missouri in violation of sections 644.006 to 644.141 of the Missouri Clean Water Law or any standard, rule, or regulation promulgated by the commission.

✓ Applicable; this permit does contains limitations based on the narrative criteria for solids.

GROUNDWATER MONITORING:

Groundwater is a water of the state according to 10 CSR 20-2.010(82), and is subject to regulations at 10 CSR 20-7.015(7) and 10 CSR 20-7.031(6) and must be protected accordingly.

✓ This facility is not required to monitor groundwater for the water protection program.

MAJOR WATER USER:

Any surface or groundwater user with a water source and the equipment necessary to withdraw or divert 100,000 gallons (or 70 gallons per minute) or more per day combined from all sources from any stream, river, lake, well, spring, or other water source is considered a major water user in Missouri. All major water users are required by law to register water use annually (Missouri Revised Statues Chapter 256.400 Geology, Water Resources and Geodetic Survey Section). https://dnr.mo.gov/pubs/pub2236.htm

✓ Not applicable; this permittee cannot withdraw water from the state in excess of 70 gpm/0.1 MGD.

NO-DISCHARGE LAND APPLICATION:

Land application of wastewater or sludge shall comply with the all applicable no-discharge requirements listed in 10 CSR 20-6.015 and all facility operations and maintenance requirements listed in 10 CSR 20-8.020(15). These requirements ensure appropriate operation of the no-discharge land application systems and prevent unauthorized and illicit discharges to waters of the state. Land applications by a contract hauler on fields the permittee has a spreading agreement on are not required to be in this permit. A spreading agreement does not constitute the field being rented or leased by the permittee as they do not have any control over management of the field.

✓ Not applicable; this permit does not authorize operation of a no-discharge land application system to treat wastewater or sludge.

OIL/WATER SEPARATORS:

Oil water separator (OWS) tank systems are frequently found at industrial sites where process water and stormwater may contain oils and greases, oily wastewaters, or other immiscible liquids requiring separation. Food industry discharges typically require pretreatment prior to discharge to municipally owned treatment works. Per 10 CSR 26-2.010(2)(B), all oil water separator tanks must be operated according to manufacturer's specifications and authorized in NPDES permits or may be regulated as a petroleum tank.

✓ Not applicable; the permittee has not disclosed the use of any oil water separators they wish to include under the NPDES permit at this facility and therefore oil water separator tanks are not authorized by this permit.

REASONABLE POTENTIAL (RP):

Federal regulation [40 CFR Part 122.44(d)(1)(i)] requires effluent limitations for all pollutants which are (or may be) discharged at a level causing or have the reasonable potential to cause (or contribute to) an in-stream excursion above narrative or numeric water quality standards. Per 10 CSR 20-7.031(4), general criteria shall be applicable to all waters of the state at all times; however, acute toxicity criteria may be exceeded by permit in zones of initial dilution, and chronic toxicity criteria may be exceeded by permit in mixing zones. If the permit writer determines any given pollutant has the reasonable potential to cause or contribute to an in-stream excursion above the WQS, the permit must contain effluent limits for the pollutant per 40 CFR Part 122.44(d)(1)(iii) and the most stringent limits per 10 CSR 20-7.031(9)(A). Permit writers may use mathematical reasonable potential analysis (RPA) using the Technical Support Document for Water Quality Based Toxics Control (TSD) methods (EPA/505/2-90-001) as found in Section 3.3.2, or may also use reasonable potential determinations (RPD) as provided in Sections 3.1.2, 3.1.3, and 3.2 of the TSD.

- ✓ Not applicable; a mathematical RPA was not conducted for this facility. This permit establishes permit limits for industrially exposed stormwater.
- Permit writers use the Department's permit writer's manual (https://dnr.mo.gov/env/wpp/permits/manual/permit-manual.htm), the EPA's permit writer's manual (https://www.epa.gov/npdes/npdes-permit-writers-manual), program policies, and best professional judgment. For each parameter in each permit, the permit writer carefully considers all applicable information regarding: technology based effluent limitations, effluent limitation guidelines, water quality standards, stream flows and uses, and all applicable site specific information and data gathered by the permittee through discharge monitoring reports and renewal (or new) application sampling. Best professional judgment is based on the experience of the permit writer, cohorts in the Department and resources at the EPA, research, and maintaining continuity of permits if necessary. For stormwater permits, the permit writer is required per 10 CSR 6.200(6)(B)2 to consider: A. application and other information supplied by the permittee; B. effluent guidelines; C. best professional judgment of the permit writer; D. water quality; and E. BMPs. Part IV provides specific decisions related to this permit.

SAMPLING FREQUENCY JUSTIFICATION:

Sampling and reporting frequency was generally retained from previous permit. 40 CFR 122.45(d)(1) indicates all continuous discharges shall be permitted with daily maximum and monthly average limits. Minimum sampling frequency for all parameters is annually per 40 CFR 122.44(i)(2).

Sampling frequency for stormwater-only outfalls is typically quarterly even though BMP inspection occurs monthly. The facility may sample more frequently if additional data is required to determine if best management operations and technology are performing as expected.

SAMPLING TYPE JUSTIFICATION:

Sampling type was continued from the previous permit. The sampling types are representative of the discharges, and are protective of water quality. Discharges with altering effluent should have composite sampling; discharges with uniform effluent can have grab samples. Grab samples are usually appropriate for stormwater. Parameters which must have grab sampling are: pH, ammonia, *E. coli*, total residual chlorine, free available chlorine, hexavalent chromium, dissolved oxygen, total phosphorus, volatile organic compounds, and others.

SCHEDULE OF COMPLIANCE (SOC):

A schedule of remedial measures included in a permit, including an enforceable sequence of interim requirements (actions, effluent limits, operations, or milestone events) leading to compliance with the Missouri Clean Water Law, its implementing regulations, and/or the terms and conditions of an operating permit. SOCs are allowed under 40 CFR 122.47 providing certain conditions are met. A SOC is not allowed:

- For effluent limitations based on technology-based standards established in accordance with federal requirements, if the deadline for compliance established in federal regulations has passed. 40 CFR § 125.3.
- For a newly constructed facility in most cases. Newly constructed facilities must meet applicable effluent limitations when discharge begins, because the facility has installed the appropriate control technology as specified in a permit or antidegradation review. A SOC is allowed for a new water quality based effluent limit not included in a previously public noticed permit or antidegradation review, which may occur if a regulation changes during construction.
- To develop a TMDL, UAA, or other study associated with development of a site specific criterion. A facility is not prohibited from conducting these activities, but a SOC may not be granted for conducting these activities.

In order to provide guidance in developing SOCs, and to attain a greater level of consistency, the Department issued a policy on development of SOCs on October 25, 2012. The policy provides guidance to permit writers on standard time frames for schedules for common activities, and guidance on factors to modify the length of the schedule.

✓ Not applicable; this permit does not contain a SOC.

SPILLS, OVERFLOWS, AND OTHER UNAUTHORIZED DISCHARGE REPORTING:

Per 260.505 RSMo, any emergency involving a hazardous substance must be reported to the Department's 24 hour Environmental Emergency Response hotline at (573) 634-2436 at the earliest practicable moment after discovery. The Department may require the submittal of a written report detailing measures taken to clean up a spill. These reporting requirements apply whether or not the spill results in chemicals or materials leaving the permitted property or reaching waters of the state. This requirement is in addition to the noncompliance reporting requirement found in Standard Conditions Part I. http://dnr.mo.gov/env/esp/spillbill.htm

Any other spills, overflows, or unauthorized discharges reaching waters of the state must be reported to the regional office during normal business hours, or after normal business hours, to the Department's 24 hour Environmental Emergency Response spill line at 573-634-2436.

SLUDGE - INDUSTRIAL:

Industrial sludge is solid, semi-solid, or liquid residue generated during the treatment of industrial process or non-process wastewater in a treatment works; including but not limited to, scum or solids removed in primary, secondary, or advanced wastewater treatment process; scum and solids filtered from water supplies and backwashed; and any material derived from industrial sludge.

✓ Not applicable; industrial sludge is not generated at this facility.

STANDARD CONDITIONS:

The standard conditions Part I attached to this permit incorporate all sections of 40 CFR 122.41(a) through (n) by reference as required by law. These conditions, in addition to the conditions enumerated within the standard conditions should be reviewed by the permittee to ascertain compliance with this permit, state regulations, state statues, federal regulations, and the Clean Water Act. Standard Conditions Part III, if attached to this permit, incorporate all requirements dealing with domestic sludge.

STORMWATER PERMITTING: LIMITATIONS AND BENCHMARKS:

Because of the fleeting nature of stormwater discharges, the Department, under the direction of EPA guidance, has determined monthly averages are capricious measures of stormwater discharges. The *Technical Support Document for Water Quality Based Toxics Control* (EPA/505/2-90-001; 1991) Section 3.1 indicates most procedures within the document apply only to water quality based approaches, not end-of-pipe technology-based controls. Hence, stormwater-only outfalls will generally only contain a maximum daily limit (MDL), benchmark, or monitoring requirement as dictated by site specific conditions, the BMPs in place, past performance of the facility, and the receiving water's current quality.

Sufficient rainfall to cause a discharge for one hour or more from a facility would not necessarily cause significant flow in a receiving stream. Acute Water Quality Standards (WQSs) are based on one hour of exposure, and must be protected at all times. Therefore, industrial stormwater facilities with toxic contaminants present in the stormwater may have the potential to cause a violation of acute WQSs if toxic contaminants occur in sufficient amounts. In this instance, the permit writer may apply daily maximum limitations.

Conversely, it is unlikely for rainfall to cause a discharge for four continuous days from a facility; if this does occur however, the receiving stream will also likely sustain a significant amount of flow providing dilution. Most chronic WQSs are based on a four-day exposure with some exceptions. Under this scenario, most industrial stormwater facilities have limited potential to cause a violation of chronic water quality standards in the receiving stream.

A standard mass-balance equation cannot be calculated for stormwater because stormwater flow and flow in the receiving stream cannot be determined for conditions on any given day or storm event. The amount of stormwater discharged from the facility will vary based on current and previous rainfall, soil saturation, humidity, detention time, BMPs, surface permeability, etc. Flow in the receiving stream will vary based on climatic conditions, size of watershed, area of surfaces with reduced permeability (houses, parking lots, and the like) in the watershed, hydrogeology, topography, etc. Decreased permeability may increase the stream flow dramatically over a short period of time (flash).

Numeric benchmark values are based on site specific requirements taking in to account a number of factors but cannot be applied to any process water discharges. First, the technology in place at the site to control pollutant discharges in stormwater is evaluated. The permit writer also evaluates other similar permits for similar activities. A review of the guidance forming the basis of Environmental Protection Agency's (EPA's) *Multi-Sector General Permit for Stormwater Discharges Associated with Industrial Activity* (MSGP) may also occur. Because precipitation events are sudden and momentary, benchmarks based on state or federal standards or recommendations use the Criteria Maximum Concentration (CMC) value, or acute standard may also be used. The CMC is the estimate of the highest concentration of a material in surface water to which an aquatic community can be exposed briefly without resulting in an unacceptable effect. The CMC for aquatic life is intended to be protective of the vast majority of the aquatic communities in the United States. If a facility has not disclosed BMPs applicable to the pollutants for the site, the permittee may not be eligible for benchmarks.

40 CFR 122.44(b)(1) requires the permit implement the most stringent limitations for each discharge, including industrially exposed stormwater; and 40 CFR 122.44(d)(1)(i) and (iii) requires the permit to include water-quality based effluent limitations where reasonable potential has been found. However, because of the non-continuous nature of stormwater discharges, staff are unable to perform statistical Reasonable Potential Analysis (RPA) under most stormwater discharge scenarios. Reasonable potential determinations (RPDs; see REASONABLE POTENTIAL above) using best professional judgment are performed.

Benchmarks require the facility to monitor, and if necessary, replace and update stormwater control measures. Benchmark concentrations are not effluent limitations. A benchmark exceedance, therefore, is not a permit violation; however, failure to take corrective action is a violation of the permit. Benchmark monitoring data is used to determine the overall effectiveness of control measures and to assist the permittee in knowing when additional corrective actions may be necessary to comply with the conditions of the permit.

BMP inspections typically occur more frequently than sampling. Sampling frequencies are based on the facility's ability to comply with the benchmarks and the requirements of the permit. Inspections should occur after large rain events and any other time an issue is noted; sampling after a benchmark exceedance may need to occur to show the corrective active taken was meaningful.

When a permitted feature or outfall consists of only stormwater, a benchmark may be implemented at the discretion of the permit writer, if there is no RP for water quality excursions.

✓ Applicable, this facility has stormwater-only outfalls where limitations were deemed appropriate contaminant measures.

STORMWATER POLLUTION PREVENTION PLAN (SWPPP):

In accordance with 40 CFR 122.44(k), Best Management Practices (BMPs) must be used to control or abate the discharge of pollutants when: 1) Authorized under section 304(e) of the Clean Water Act (CWA) for the control of toxic pollutants and hazardous substances from ancillary industrial activities; 2) Authorized under section 402(p) of the CWA for the control of stormwater discharges; 3) Numeric effluent limitations are infeasible; or 4) the practices are reasonably necessary to achieve effluent limitations and standards or to carry out the purposes and intent of the CWA. In accordance with the EPA's *Developing Your Stormwater Pollution Prevention Plan, A Guide for Industrial Operators*, (EPA 833-B-09-002) published by the EPA in 2015 https://www.epa.gov/sites/production/files/2015-11/documents/swppp_guide_industrial_2015.pdf, BMPs are measures or practices used to reduce the amount of pollution entering waters of the state from a permitted facility. BMPs may take the form of a process, activity, or physical structure. Additionally in accordance with the Stormwater Management, a SWPPP is a series of steps and activities to 1) identify sources of pollution or contamination, and 2) select and carry out actions which prevent or control the pollution of storm water discharges. Additional information can be found in *Stormwater Management for Industrial Activities: Developing Pollution Prevention Plans and Best Management Practices* (EPA 832-R-92-006; September 1992).

A SWPPP must be prepared by the permittee if the SIC code is found in 40 CFR 122.26(b)(14) and/or 10 CSR 20-6.200(2). A SWPPP may be required of other facilities where stormwater has been identified as necessitating better management. The purpose of a SWPPP is to comply with all applicable stormwater regulations by creating an adaptive management plan to control and mitigate stream pollution from stormwater runoff. Developing a SWPPP provides opportunities to employ appropriate BMPs to minimize the risk of pollutants being discharged during storm events. The following paragraph outlines the general steps the permittee should take to determine which BMPs will work to achieve the benchmark values or limits in the permit. This section is not intended to be all encompassing or restrict the use of any physical BMP or operational and maintenance procedure assisting in pollution control. Additional steps or revisions to the SWPPP may be required to meet the requirements of the permit.

Areas which should be included in the SWPPP are identified in 40 CFR 122.26(b)(14). Once the potential sources of stormwater pollution have been identified, a plan should be formulated to best control the amount of pollutant being released and discharged by each activity or source. This should include, but is not limited to, minimizing exposure to stormwater, good housekeeping measures, proper facility and equipment maintenance, spill prevention and response, vehicle traffic control, and proper materials handling. Once a plan has been developed the facility will employ the control measures determined to be adequate to achieve the benchmark values discussed above. The facility will conduct monitoring and inspections of the BMPs to ensure they are working properly and reevaluate any BMP not achieving compliance with permitting requirements. For example, if sample results from an outfall show values of TSS above the benchmark value, the BMP being employed is deficient in controlling stormwater pollution. Corrective action should be taken to repair, improve, or replace the failing BMP. This internal evaluation is required at least once per month but should be continued more frequently if BMPs continue to fail. If failures do occur, continue this trial and error process until appropriate BMPs have been established.

For new, altered, or expanded stormwater discharges, the SWPPP shall identify reasonable and effective BMPs while accounting for environmental impacts of varying control methods. The antidegradation analysis must document why no discharge or no exposure options are not feasible. The selection and documentation of appropriate control measures shall serve as an alternative analysis of technology and fulfill the requirements of antidegradation [10 CSR 20-7.031(3)]. For further guidance, consult the antidegradation implementation procedure (http://dnr.mo.gov/env/wpp/docs/AIP050212.pdf).

Alternative Analysis (AA) evaluation of the BMPs is a structured evaluation of BMPs which are reasonable and cost effective. The AA evaluation should include practices designed to be: 1) non-degrading; 2) less degrading; or 3) degrading water quality. The glossary of AIP defines these three terms. The chosen BMP will be the most reasonable and effective management strategy while ensuring the highest statutory and regulatory requirements are achieved and the highest quality water attainable for the facility is discharged. The AA evaluation must demonstrate why "no discharge" or "no exposure" is not a feasible alternative at the facility. This structured analysis of BMPs serves as the antidegradation review, fulfilling the requirements of 10 CSR 20-7.031(3) Water Quality Standards and *Antidegradation Implementation Procedure* (AIP), Section II.B.

If parameter-specific numeric benchmark exceedances continue to occur and the permittee feels there are no practicable or cost-effective BMPs which will sufficiently reduce a pollutant concentration in the discharge to the benchmark values established in the permit, the permittee can submit a request to re-evaluate the benchmark values. This request needs to include 1) a detailed explanation of why the facility is unable to comply with the permit conditions and unable to establish BMPs to achieve the benchmark values; 2) financial data of the company and documentation of cost associated with BMPs for review and 3) the SWPPP, which should contain adequate documentation of BMPs employed, failed BMPs, corrective actions, and all other required information. This will allow the Department to conduct a cost analysis on control measures and actions taken by the facility to determine cost-effectiveness of BMPs. The request shall be submitted in the form of an operating permit modification, which includes an appropriate fee; the application is found at: https://dnr.mo.gov/forms/#WaterPollution

✓ Applicable; a SWPPP shall be developed and implemented for this facility.

SUFFICIENTLY SENSITIVE ANALYTICAL METHODS:

Please review Standard Conditions Part 1, section A, number 4. The analytical and sampling methods used shall conform to the reference methods listed in 10 CSR 20-7.015 and/or 40 CFR 136 unless alternates are approved by the Department. The facility shall use sufficiently sensitive analytical methods for detecting, identifying, and measuring the concentrations of pollutants. The facility shall ensure the selected methods are able to quantify the presence of pollutants in a given discharge at concentrations low enough to determine compliance with Water Quality Standards in 10 CSR 20-7.031 or effluent limitations unless provisions in the permit allow for other alternatives. A method is "sufficiently sensitive" when; 1) the method quantifies the pollutant below the level of the applicable water quality criterion or; 2) the method minimum level is above the applicable water quality criterion, but the amount of pollutant in a facility's discharge is high enough the method detects and quantifies the level of pollutant in the discharge, or 3) the method has the lowest minimum level of the analytical methods approved under 10 CSR 20-7.015 and or 40 CFR 136. These methods are also required for parameters listed as monitoring only, as the data collected may be used to determine if numeric limitations need to be established. A permittee is responsible for working with their contractors to ensure the analysis performed is sufficiently sensitive. 40 CFR 136 lists the approved methods accepted by the Department. Tables A1-B3 at 10 CSR 20-7.031 shows water quality standards.

UNDERGROUND INJECTION CONTROL (UIC):

The UIC program for all classes of wells in the State of Missouri is administered by the Missouri Department of Natural Resources and approved by EPA pursuant to section 1422 and 1425 of the Safe Drinking Water Act (SDWA) and 40 CFR 147 Subpart AA. Injection wells are classified based on the liquids which are being injected. Class I wells are hazardous waste wells which are banned by RSMo 577.155; Class II wells are established for oil and natural gas production; Class III wells are used to inject fluids to extract minerals; Class IV wells are also banned by Missouri in RSMo 577.155; Class V wells are shallow injection wells; some examples are heat pump wells and groundwater remediation wells. Domestic wastewater being disposed of sub-surface is also considered a Class V well. In accordance with 40 CFR 144.82, construction, operation, maintenance, conversion, plugging, or closure of injection wells shall not cause movement of fluids containing any contaminant into Underground Sources of Drinking Water (USDW) if the presence of any contaminant may cause a violation of drinking water standards or groundwater standards under 10 CSR 20-7.031, or other health based standards, or may otherwise adversely affect human health. If the director finds the injection activity may endanger USDWs, the Department may require closure of the injection wells, or other actions listed in 40 CFR 144.12(c), (d), or (e). In accordance with 40 CFR 144.26, the permittee shall submit a Class V Well Inventory Form for each active or new underground injection well drilled, or when the status of a well changes, to the Missouri Department of Natural Resources, Geological Survey Program, P.O. Box 250, Rolla, Missouri 65402. The Class V Well Inventory Form can be requested from the Geological Survey Program or can be found at the following web address: https://dnr.mo.gov/forms/780-1774-f.pdf

✓ Not applicable; the permittee has not submitted materials indicating the facility will be performing UIC at this site.

VARIANCE:

Per the Missouri Clean Water Law §644.061.4, variances shall be granted for such period of time and under such terms and conditions as shall be specified by the commission in its order. The variance may be extended by affirmative action of the commission. In no event shall the variance be granted for a period of time greater than is reasonably necessary for complying with the Missouri Clean Water Law §§644.006 to 644.141 or any standard, rule or regulation promulgated pursuant to Missouri Clean Water Law §§644.006 to 644.141.

✓ Not applicable; this permit is not drafted under premise of a petition for variance.

WASTELOAD ALLOCATIONS (WLA) FOR LIMITS:

As per [10 CSR 20-2.010(78)], the WLA is the amount of pollutant each discharger is allowed to discharge into the receiving stream without endangering water quality. Two general types of effluent limitations, technology-based effluent limits (TBELs) and water quality based effluent limits (WQBELs) are reviewed. If one limit does not provide adequate protection for the receiving water, then the other must be used per 10 CSR 20-7.015(9)(A). Total Maximum Daily Loads, if required for this facility, were also reviewed. ✓ Not applicable; wasteload allocations were either not calculated or were not based on TSD methods.

WASTELOAD ALLOCATION (WLA) MODELING:

Permittees may submit site specific studies to better determine the site specific wasteload allocations applied in permits.

✓ Not applicable; a WLA study was either not submitted or determined not applicable by Department staff.

PART IV. EFFLUENT LIMITS DETERMINATIONS

OUTFALLS #005, #008, #009, #011, #012, #013, #015, #016, #017, #018, #020, #021, #022, #023, #024, #025

EFFLUENT LIMITATIONS TABLE:

PARAMETERS	Unit	Daily Max	MONTHLY AVG.	Previous Limits	Minimum Sampling Frequency	REPORTING FREQUENCY	SAMPLE TYPE
POST MINING – LIMIT SET M							
FLOW	MGD	*	*	SAME	ONCE/MONTH	MONTHLY	24 Нг. Тот
PH [†]	SU	6.5 to 9.0	6.5 to 9.0	SAME	ONCE/MONTH	MONTHLY	GRAB
SETTLEABLE SOLIDS	mL/L/hr	0.5	0.5	SAME	ONCE/MONTH	MONTHLY	GRAB

^{*} monitoring and reporting requirement only

DERIVATION AND DISCUSSION OF LIMITS:

Flow

In accordance with [40 CFR Part 122.44(i)(1)(ii)] the volume of effluent discharged from each outfall is needed to assure compliance with permitted effluent limitations. If the permittee is unable to obtain effluent flow, then it is the responsibility of the permittee to inform the Department, which may require the submittal of an operating permit modification. The facility will report the total flow in millions of gallons per day (MGD), monthly monitoring for post mining areas continued from previous permit.

pF.

6.5 to 9.0 SU – instantaneous grab sample. Water quality limits [10 CSR 20-7.031(5)(E)] are applicable to all outfalls at all times. The ELG established for this facility at 40 CFR 434 indicates the minimum pH should be 6.0, however, the permit writer has determined WQ limitations must be implemented for this facility to protect water quality.

Settleable Solids (SS)

Post Mining Areas: 0.5 mL/L/hr daily maximum and monthly average per 40 CFR 434.52(a); monthly average limit required per 40 CFR 122.45(f); continued from previous permit.

[†] report the minimum and maximum pH values; pH is not to be averaged

PART V. ADMINISTRATIVE REQUIREMENTS

On the basis of preliminary staff review and the application of applicable standards and regulations, the Department, as administrative agent for the Missouri Clean Water Commission, proposes to issue a permit(s) subject to certain effluent limitations, schedules, and special conditions contained herein and within the operating permit. The proposed determinations are tentative pending public comment.

PERMIT SYNCHRONIZATION:

The Department of Natural Resources is currently undergoing a synchronization process for operating permits. Permits are normally issued on a five-year term, but to achieve synchronization many permits will need to be issued for less than the full five years allowed by regulation. The intent is all permits within a watershed will move through the Watershed Based Management (WBM) cycle together will all expire in the same fiscal year. http://dnr.mo.gov/env/wpp/cpp/docs/watershed-based-management.pdf. This will allow further streamlining by placing multiple permits within a smaller geographic area on public notice simultaneously, thereby reducing repeated administrative efforts. This will also allow the Department to explore a watershed based permitting effort at some point in the future. Renewal applications must continue to be submitted within 180 days of expiration, however, in instances where effluent data from the previous renewal is less than two years old, such data may be re-submitted to meet the requirements of the renewal application. If the permit provides a schedule of compliance for meeting new water quality based effluent limits beyond the expiration date of the permit, the time remaining in the schedule of compliance will be allotted in the renewed permit.

✓ This permit is not being synchronized at this time; synchronization would result in a permit being issued for less than 18 months.

PUBLIC NOTICE:

The Department shall give public notice a draft permit has been prepared and its issuance is pending.

http://dnr.mo.gov/env/wpp/permits/pn/index.html

Additionally, public notice will be issued if a public hearing is to be held because of a significant degree of interest in or with water quality concerns related to a draft permit. No public notice is required when a request for a permit modification or termination is denied; however, the requester and permittee must be notified of the denial in writing.

The Department must issue public notice of a pending operating permit or of a new or reissued statewide general permit. The public comment period is the length of time not less than 30 days following the date of the public notice which interested persons may submit written comments about the proposed permit.

For persons wanting to submit comments regarding this proposed operating permit, then please refer to the Public Notice page located at the front of this draft operating permit. The Public Notice page gives direction on how and where to submit appropriate comments.

The Public Notice period for this operating permit was from August 9 to September 9, 2019. There were no comments.

DATE OF FACT SHEET: SEPTEMBER 16, 2019 COMPLETED BY:
PAM HACKLER, ENVIRONMENTAL SCIENTIST MISSOURI DEPARTMENT OF NATURAL RESOURCES WATER PROTECTION PROGRAM
OPERATING PERMITS SECTION - INDUSTRIAL UNIT (573) 5226-3386
pam.hackler@dnr.mo.gov



STANDARD CONDITIONS FOR NPDES PERMITS ISSUED BY

THE MISSOURI DEPARTMENT OF NATURAL RESOURCES MISSOURI CLEAN WATER COMMISSION REVISED AUGUST 1, 2014

These Standard Conditions incorporate permit conditions as required by 40 CFR 122.41 or other applicable state statutes or regulations. These minimum conditions apply unless superseded by requirements specified in the permit.

Part I – General Conditions Section A – Sampling, Monitoring, and Recording

1. Sampling Requirements.

- Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity.
- b. All samples shall be taken at the outfall(s) or Missouri Department of Natural Resources (Department) approved sampling location(s), and unless specified, before the effluent joins or is diluted by any other body of water or substance.

2. Monitoring Requirements.

- a. Records of monitoring information shall include:
 - i. The date, exact place, and time of sampling or measurements;
 - ii. The individual(s) who performed the sampling or measurements;
 - iii. The date(s) analyses were performed;
 - iv. The individual(s) who performed the analyses;
 - v. The analytical techniques or methods used; and
 - vi. The results of such analyses.
- b. If the permittee monitors any pollutant more frequently than required by the permit at the location specified in the permit using test procedures approved under 40 CFR Part 136, or another method required for an industry-specific waste stream under 40 CFR subchapters N or O, the results of such monitoring shall be included in the calculation and reported to the Department with the discharge monitoring report data (DMR) submitted to the Department pursuant to Section B, paragraph 7.
- Sample and Monitoring Calculations. Calculations for all sample and monitoring results which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified in the permit.
- Test Procedures. The analytical and sampling methods used shall conform to the reference methods listed in 10 CSR 20-7.015 unless alternates are approved by the Department. The facility shall use sufficiently sensitive analytical methods for detecting, identifying, and measuring the concentrations of pollutants. The facility shall ensure that the selected methods are able to quantify the presence of pollutants in a given discharge at concentrations that are low enough to determine compliance with Water Quality Standards in 10 CSR 20-7.031 or effluent limitations unless provisions in the permit allow for other alternatives. A method is "sufficiently sensitive" when; 1) the method minimum level is at or below the level of the applicable water quality criterion for the pollutant or, 2) the method minimum level is above the applicable water quality criterion, but the amount of pollutant in a facility's discharge is high enough that the method detects and quantifies the level of pollutant in the discharge, or 3) the method has the lowest minimum level of the analytical methods approved under 10 CSR 20-7.015. These methods are also required for parameters that are listed as monitoring only, as the data collected may be used to determine if limitations need to be established. A permittee is responsible for working with their contractors to ensure that the analysis performed is sufficiently sensitive.
- 5. Record Retention. Except for records of monitoring information required by the permit related to the permittee's sewage sludge use and disposal activities, which shall be retained for a period of at least five (5) years (or longer as required by 40 CFR part 503), the permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by the permit, and records of all data used to complete the application for the permit, for a period of at least three (3) years from the date of the sample, measurement, report or application. This period may be extended by request of the Department at any time.

Illegal Activities.

- a. The Federal Clean Water Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under the permit shall, upon conviction, be punished by a fine of not more than \$10,000, or by imprisonment for not more than two (2) years, or both. If a conviction of a person is for a violation committed after a first conviction of such person under this paragraph, punishment is a fine of not more than \$20,000 per day of violation, or by imprisonment of not more than four (4) years, or both.
- b. The Missouri Clean Water Law provides that any person or who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained pursuant to sections 644.006 to 644.141 shall, upon conviction, be punished by a fine of not more than \$10,000, or by imprisonment for not more than six (6) months, or by both. Second and successive convictions for violation under this paragraph by any person shall be punished by a fine of not more than \$50,000 per day of violation, or by imprisonment for not more than two (2) years, or both.

Section B – Reporting Requirements

1. Planned Changes.

- a. The permittee shall give notice to the Department as soon as possible of any planned physical alterations or additions to the permitted facility when:
 - The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source in 40 CFR 122.29(b); or
 - ii. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements under 40 CFR 122.42;
 - iii. The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan;
- iv. Any facility expansions, production increases, or process modifications which will result in a new or substantially different discharge or sludge characteristics must be reported to the Department 60 days before the facility or process modification begins. Notification may be accomplished by application for a new permit. If the discharge does not violate effluent limitations specified in the permit, the facility is to submit a notice to the Department of the changed discharge at least 30 days before such changes. The Department may require a construction permit and/or permit modification as a result of the proposed changes at the facility.

2. Non-compliance Reporting.

a. The permittee shall report any noncompliance which may endanger health or the environment. Relevant information shall be provided orally or via the current electronic method approved by the Department, within 24 hours from the time the permittee becomes aware of the circumstances, and shall be reported to the appropriate Regional Office during normal business hours or the Environmental Emergency Response hotline at 573-634-2436 outside of normal business hours. A written submission shall also be provided within five (5) business days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance.



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- b. The following shall be included as information which must be reported within 24 hours under this paragraph.
 - Any unanticipated bypass which exceeds any effluent limitation in the permit.
 - ii. Any upset which exceeds any effluent limitation in the permit.
 - Violation of a maximum daily discharge limitation for any of the pollutants listed by the Department in the permit required to be reported within 24 hours.
- c. The Department may waive the written report on a case-by-case basis for reports under paragraph 2. b. of this section if the oral report has been received within 24 hours.
- Anticipated Noncompliance. The permittee shall give advance notice to the
 Department of any planned changes in the permitted facility or activity
 which may result in noncompliance with permit requirements. The notice
 shall be submitted to the Department 60 days prior to such changes or
 activity.
- 4. Compliance Schedules. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of the permit shall be submitted no later than 14 days following each schedule date. The report shall provide an explanation for the instance of noncompliance and a proposed schedule or anticipated date, for achieving compliance with the compliance schedule requirement.
- 5. **Other Noncompliance.** The permittee shall report all instances of noncompliance not reported under paragraphs 2, 3, and 6 of this section, at the time monitoring reports are submitted. The reports shall contain the information listed in paragraph 2. a. of this section.
- 6. Other Information. Where the permittee becomes aware that it failed to submit any relevant facts in a permit application, or submitted incorrect information in a permit application or in any report to the Department, it shall promptly submit such facts or information.

7. Discharge Monitoring Reports.

- a. Monitoring results shall be reported at the intervals specified in the
- b. Monitoring results must be reported to the Department via the current method approved by the Department, unless the permittee has been granted a waiver from using the method. If the permittee has been granted a waiver, the permittee must use forms provided by the Department.
- Monitoring results shall be reported to the Department no later than the 28th day of the month following the end of the reporting period.

Section C – Bypass/Upset Requirements

1. **Definitions.**

- a. Bypass: the intentional diversion of waste streams from any portion of a treatment facility, except in the case of blending.
- b. Severe Property Damage: substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.
- c. Upset: an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation.

2. Bypass Requirements.

a. Bypass not exceeding limitations. The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of paragraphs 2. b. and 2. c. of this section.

b. Notice.

- Anticipated bypass. If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least 10 days before the date of the bypass.
- ii. Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required in Section B – Reporting Requirements, paragraph 5 (24-hour notice).

c. Prohibition of bypass.

- i. Bypass is prohibited, and the Department may take enforcement action against a permittee for bypass, unless:
 - Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
- 2. There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
- The permittee submitted notices as required under paragraph 2.
 b. of this section.
- ii. The Department may approve an anticipated bypass, after considering its adverse effects, if the Department determines that it will meet the three (3) conditions listed above in paragraph 2. c. i. of this section.

3. Upset Requirements.

- a. Effect of an upset. An upset constitutes an affirmative defense to an action brought for noncompliance with such technology based permit effluent limitations if the requirements of paragraph 3. b. of this section are met. No determination made during administrative review of claims that noncompliance was caused by upset, and before an action for noncompliance, is final administrative action subject to judicial review.
- b. Conditions necessary for a demonstration of upset. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed, contemporaneous operating logs, or other relevant evidence that:
 - An upset occurred and that the permittee can identify the cause(s) of the upset;
 - ii. The permitted facility was at the time being properly operated; and
 - iii. The permittee submitted notice of the upset as required in Section B Reporting Requirements, paragraph 2. b. ii. (24-hour notice).
 - iv. The permittee complied with any remedial measures required under Section D – Administrative Requirements, paragraph 4.
- Burden of proof. In any enforcement proceeding, the permittee seeking to establish the occurrence of an upset has the burden of proof.

Section D – Administrative Requirements

- Duty to Comply. The permittee must comply with all conditions of this
 permit. Any permit noncompliance constitutes a violation of the Missouri
 Clean Water Law and Federal Clean Water Act and is grounds for
 enforcement action; for permit termination, revocation and reissuance, or
 modification; or denial of a permit renewal application.
 - a. The permittee shall comply with effluent standards or prohibitions established under section 307(a) of the Federal Clean Water Act for toxic pollutants and with standards for sewage sludge use or disposal established under section 405(d) of the CWA within the time provided in the regulations that establish these standards or prohibitions or standards for sewage sludge use or disposal, even if the permit has not yet been modified to incorporate the requirement.
 - b. The Federal Clean Water Act provides that any person who violates section 301, 302, 306, 307, 308, 318 or 405 of the Act, or any permit condition or limitation implementing any such sections in a permit issued under section 402, or any requirement imposed in a pretreatment program approved under sections 402(a)(3) or 402(b)(8) of the Act, is subject to a civil penalty not to exceed \$25,000 per day for each violation. The Federal Clean Water Act provides that any person who negligently violates sections 301, 302, 306, 307, 308, 318, or 405 of the Act, or any condition or limitation implementing any of such sections in a permit issued under section 402 of the Act, or any requirement



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imposed in a pretreatment program approved under section 402(a)(3) or 402(b)(8) of the Act, is subject to criminal penalties of \$2,500 to \$25,000 per day of violation, or imprisonment of not more than one (1) year, or both. In the case of a second or subsequent conviction for a negligent violation, a person shall be subject to criminal penalties of not more than \$50,000 per day of violation, or by imprisonment of not more than two (2) years, or both. Any person who knowingly violates such sections, or such conditions or limitations is subject to criminal penalties of \$5,000 to \$50,000 per day of violation, or imprisonment for not more than three (3) years, or both. In the case of a second or subsequent conviction for a knowing violation, a person shall be subject to criminal penalties of not more than \$100,000 per day of violation, or imprisonment of not more than six (6) years, or both. Any person who knowingly violates section 301, 302, 303, 306, 307, 308, 318 or 405 of the Act, or any permit condition or limitation implementing any of such sections in a permit issued under section 402 of the Act, and who knows at that time that he thereby places another person in imminent danger of death or serious bodily injury, shall, upon conviction, be subject to a fine of not more than \$250,000 or imprisonment of not more than 15 years, or both. In the case of a second or subsequent conviction for a knowing endangerment violation, a person shall be subject to a fine of not more than \$500,000 or by imprisonment of not more than 30 years, or both. An organization, as defined in section 309(c)(3)(B)(iii) of the CWA, shall, upon conviction of violating the imminent danger provision, be subject to a fine of not more than \$1,000,000 and can be fined up to \$2,000,000 for second or subsequent convictions.

- c. Any person may be assessed an administrative penalty by the EPA Director for violating section 301, 302, 306, 307, 308, 318 or 405 of this Act, or any permit condition or limitation implementing any of such sections in a permit issued under section 402 of this Act. Administrative penalties for Class I violations are not to exceed \$10,000 per violation, with the maximum amount of any Class II penalty assessed not to exceed \$25,000. Penalties for Class II violations are not to exceed \$10,000 per day for each day during which the violation continues, with the maximum amount of any Class II penalty not to exceed \$125,000.
- It is unlawful for any person to cause or permit any discharge of water contaminants from any water contaminant or point source located in Missouri in violation of sections 644.006 to 644.141 of the Missouri Clean Water Law, or any standard, rule or regulation promulgated by the commission. In the event the commission or the director determines that any provision of sections 644.006 to 644.141 of the Missouri Clean Water Law or standard, rules, limitations or regulations promulgated pursuant thereto, or permits issued by, or any final abatement order, other order, or determination made by the commission or the director, or any filing requirement pursuant to sections 644.006 to 644.141 of the Missouri Clean Water Law or any other provision which this state is required to enforce pursuant to any federal water pollution control act, is being, was, or is in imminent danger of being violated, the commission or director may cause to have instituted a civil action in any court of competent jurisdiction for the injunctive relief to prevent any such violation or further violation or for the assessment of a penalty not to exceed \$10,000 per day for each day, or part thereof, the violation occurred and continues to occur, or both, as the court deems proper. Any person who willfully or negligently commits any violation in this paragraph shall, upon conviction, be punished by a fine of not less than \$2,500 nor more than \$25,000 per day of violation, or by imprisonment for not more than one year, or both. Second and successive convictions for violation of the same provision of this paragraph by any person shall be punished by a fine of not more than \$50,000 per day of violation, or by imprisonment for not more than two (2) years, or both.

2. Duty to Reapply.

- a. If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit.
- b. A permittee with a currently effective site-specific permit shall submit an application for renewal at least 180 days before the expiration date of the existing permit, unless permission for a later date has been granted by the Department. (The Department shall not grant permission

- for applications to be submitted later than the expiration date of the existing permit.)
- c. A permittees with currently effective general permit shall submit an application for renewal at least 30 days before the existing permit expires, unless the permittee has been notified by the Department that an earlier application must be made. The Department may grant permission for a later submission date. (The Department shall not grant permission for applications to be submitted later than the expiration date of the existing permit.)
- Need to Halt or Reduce Activity Not a Defense. It shall not be a defense
 for a permittee in an enforcement action that it would have been necessary to
 halt or reduce the permitted activity in order to maintain compliance with the
 conditions of this permit.
- Duty to Mitigate. The permittee shall take all reasonable steps to minimize
 or prevent any discharge or sludge use or disposal in violation of this permit
 which has a reasonable likelihood of adversely affecting human health or the
 environment.
- 5. Proper Operation and Maintenance. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit.

6. Permit Actions.

- a. Subject to compliance with statutory requirements of the Law and Regulations and applicable Court Order, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to, the following:
 - i. Violations of any terms or conditions of this permit or the law;
 - Having obtained this permit by misrepresentation or failure to disclose fully any relevant facts;
 - A change in any circumstances or conditions that requires either a temporary or permanent reduction or elimination of the authorized discharge; or
 - iv. Any reason set forth in the Law or Regulations.
- b. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition.

7. Permit Transfer.

- a. Subject to 10 CSR 20-6.010, an operating permit may be transferred upon submission to the Department of an application to transfer signed by the existing owner and the new owner, unless prohibited by the terms of the permit. Until such time the permit is officially transferred, the original permittee remains responsible for complying with the terms and conditions of the existing permit.
- b. The Department may require modification or revocation and reissuance of the permit to change the name of the permittee and incorporate such other requirements as may be necessary under the Missouri Clean Water Law or the Federal Clean Water Act.
- c. The Department, within 30 days of receipt of the application, shall notify the new permittee of its intent to revoke or reissue or transfer the permit.
- 8. Toxic Pollutants. The permittee shall comply with effluent standards or prohibitions established under section 307(a) of the Federal Clean Water Act for toxic pollutants and with standards for sewage sludge use or disposal established under section 405(d) of the Federal Clean Water Act within the time provided in the regulations that establish these standards or prohibitions or standards for sewage sludge use or disposal, even if the permit has not yet been modified to incorporate the requirement.
- Property Rights. This permit does not convey any property rights of any sort, or any exclusive privilege.



STANDARD CONDITIONS FOR NPDES PERMITS ISSUED BY

THE MISSOURI DEPARTMENT OF NATURAL RESOURCES MISSOURI CLEAN WATER COMMISSION REVISED AUGUST 1, 2014

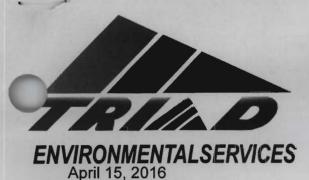
- 10. Duty to Provide Information. The permittee shall furnish to the Department, within a reasonable time, any information which the Department may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. The permittee shall also furnish to the Department upon request, copies of records required to be kept by this permit.
- 11. Inspection and Entry. The permittee shall allow the Department, or an authorized representative (including an authorized contractor acting as a representative of the Department), upon presentation of credentials and other documents as may be required by law, to:
 - Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of the permit;
 - Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
 - Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
 - d. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Federal Clean Water Act or Missouri Clean Water Law, any substances or parameters at any location.

12. Closure of Treatment Facilities.

- a. Persons who cease operation or plan to cease operation of waste, wastewater, and sludge handling and treatment facilities shall close the facilities in accordance with a closure plan approved by the Department.
- b. Operating Permits under 10 CSR 20-6.010 or under 10 CSR 20-6.015 are required until all waste, wastewater, and sludges have been disposed of in accordance with the closure plan approved by the Department and any disturbed areas have been properly stabilized. Disturbed areas will be considered stabilized when perennial vegetation, pavement, or structures using permanent materials cover all areas that have been disturbed. Vegetative cover, if used, shall be at least 70% plant density over 100% of the disturbed area.

13. Signatory Requirement.

- All permit applications, reports required by the permit, or information requested by the Department shall be signed and certified. (See 40 CFR 122.22 and 10 CSR 20-6.010)
- b. The Federal Clean Water Act provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or non-compliance shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than six (6) months per violation, or by both.
- c. The Missouri Clean Water Law provides that any person who knowingly makes any false statement, representation or certification in any application, record, report, plan, or other document filed or required to be maintained pursuant to sections 644.006 to 644.141 shall, upon conviction, be punished by a fine of not more than ten thousand dollars, or by imprisonment for not more than six months, or by both.
- 14. Severability. The provisions of the permit are severable, and if any provision of the permit, or the application of any provision of the permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of the permit, shall not be affected thereby.



GEOLOGICAL ENGINEERING SOLUTIONS FOR TODAY'S ENVIRONMENTAL CONCERNS P.O. BOX 1507 • PITTSBURG, KS 66762 • (620) 231-5660 • FAX (620) 231-5661 triad@triad-es.com

RECEIVED

APR 18 2016

Water Protection Program

Mr. Jake Faulkner Water Pollution Control Branch DNR-Water Protection Program P.O. Box 176 Jefferson City, MO. 65102-0176

RE: Continental Coal Inc. – NPDES Permit Renewal Application MO-0126080 Facility Name Hume Mine #1 (Hume/Hume West Mine)

Dear Mr. Faulkner,

On behalf of our client, Continental Coal Inc., and as per our telephone conversation of April 15, 2016, attached is one (1) original and one (1) copy of the NPDES renewal Forms A and C, along with associated attachments, for the Hume/Hume West Mine site located in Bates County. As per the instructions, site specific permit re-issuance fees are not required at this time.

It should be noted that aithough there were 21 outfalls (003, 004, 005, 006, 007, 008, 009, 010, 011, 012, 013, 015, 016, 017, 018, 020, 021, 022, 023, 024, and 025) constructed over the life of the Hume/Hume West Mine, there are only 16 outfalls (003, 004, 005, 006, 008, 011, 013, 015, 016, 017, 018, 020, 022, 023, 024, and 025) that discharge off the mine site due to some of the outfalls now being in a series with downstream outfalls.

Outfall 009 flows west across the Route "V" right of way from the Hume Mine to the Hume West Mine and into outfall 022, outfall 010 flows to outfall 015, outfall 012 flows to outfall 013 and outfall 021 flows to outfall 022, before discharging off the mine site. Outfall 007 was mined through and reclaimed. Outfalls 014 and 019 were not needed and were never constructed.

Coal removal activities were completed at the Hume Mine in the Summer of 2014 and coal removal activities being completed at the Hume West Mine in the late Fall of 2015. Reclamation was completed at the Hume Mine in the Spring of 2015. The Hume West Mine is in the final stages of reclamation and should be completed by the end of the Summer of 2016. Revegetation of the Hume Mine was completed at various times with the final initial seeding being completed in the Fall of 2014. Revegetation of the Hume West Mine has been completed at various times with the final area of seeding to be completed in the Fall of 2016. We believe that the NPDES permit could be terminated in the late fall of 2018.

The analysis for the pollutants (BOD, COD, TOC and Ammonia) listed in Part A of Form C (Item 3.00) were taken for outfalls 003, 004, 005, 006, 008, and 015 in February of 2016. Outfalls 009, 011, 015, 016, 017, 018, 020, 022, and 023 are currently not flowing due to the dry weather. Outfalls 013, 024, and 025 are final cut permanent impoundments and may take several months to fill.

Although outfalls 011, 013, 016, 017, 018, 020, 022, 023, 024, and 025 have not discharged for several months or since being constructed, most of the impoundments are full and are expected to discharge in the Spring of 2016. The pollutants (BOD, COD, TOC and Ammonia) listed in Part A of Form C (Item 3.00) will be run for Outfalls 011, 013, 016, 017, 018, 020, 022, 023, 024, and 025 at a later date, but is dependent on spring rains.

We are requesting that the requirements for BOD, COD, TOC and Ammonia tests be waived for outfalls 013, 024, and 025 since the impoundments will not likely discharge before the permit is renewed.

If you have any questions, please contact me at (620) 231-5660.

Jim Bentley

Respectfully

Reclamation Specialist

cc: Mr. Mitch Roberts – DNR Water Pollution Control, KCRO (cover letter only)
Mr. Philip Tearney – Continental Coal Inc.
Hume and Hume West Mine

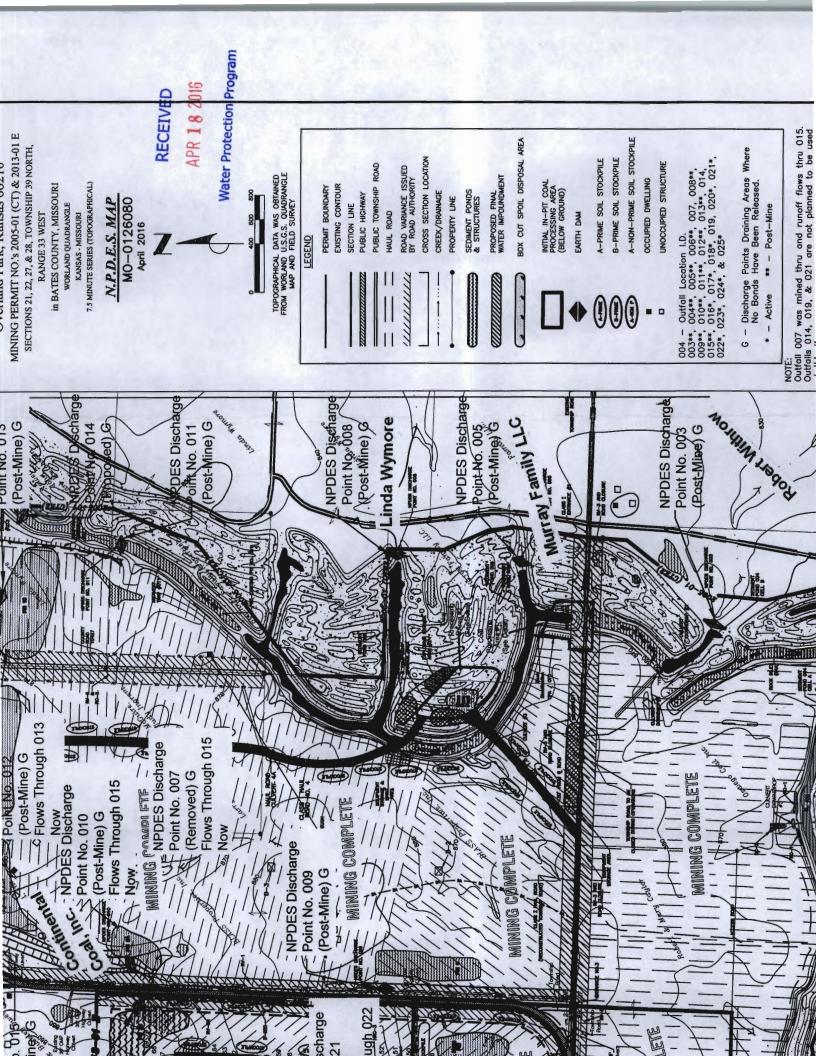
RECEIVED

APR 18 2016

MISSOURI DEPARTMENT OF NATURAL RESOU	IRCES AT N 18 2010	FOR AGEN	CY USE ONLY
WATER PROTECTION PROGRAM FORM A – APPLICATION FOR NONDOMESTIC		HECK NUMBER	
CLEAN WATER LAW	PERMIT UNDER MISSOURI	ATERECEIVED 16	FEE SUBMITTED
Note ▶ PLEASE READ THE ACCOMPANYING INSTR	RUCTIONS BEFORE COMPLETIN	G THIS FORM.	
1. This application is for: An operating permit for a new or unpermitted Please indicate the original Construction Permit Please indicate the permit # MO- An operating permit modification: Please indicate the permit # MO- 1.1 Is the appropriate fee included with the application? (S	Expiration Date Octo Modification Reason:		□NO
2. FACILITY			
NAME Hume Mine #1		913-491	UMBER WITH AREA CODE
nume wine #1		FAX 913-4	91-1806
ADDRESS (PHYSICAL) Route #1	Hume	STATE MO	ZIP CODE 64752
3. OWNER			
Continental Coal, Inc.	philtearney@continentalcoal.co	913-49	IUMBER WITH AREA CODE 1-1717
ADDRESS (MAILING) 10801 Mastin, Suite 920	CITY Overland Park	STATE KS	ZIP CODE 66210
3.1 Request review of draft permit prior to public not	ice? X YES NO		
4. CONTINUING AUTHORITY			
NAME	EMAIL ADDRESS	TELEPHONE N	IUMBER WITH AREA CODE
Same as Operator		FAX	
ADDRESS (MAILING)	CITY	STATE	ZIP CODE
5. OPERATOR			
NAME	CERTIFICATE NUMBER	TELEPHONE N	IUMBER WITH AREA CODE
Same as Owner		FAX	
ADDRESS (MAILING)	CITY	STATE	ZIP CODE
6. FACILITY CONTACT		-	
NAME	President	TELEPHONE N	IUMBER WITH AREA CODE
Philip E. Tearney	E-MAIL ADDRESS philtearney@continentalcoal.c	com FAX 913-	491-1806
7. ADDITIONAL FACILITY INFORMATION			
7.1 Legal Description of Outfalls. (Attach additional s	heets if necessary.)	achment 7.1	
001	T R thing (Y): B North American D	— ————————————————————————————————————	County 83) County County
002 /4 /4 Sec UTM Coordinates Easting (X): Nor 003 /4 /4 Sec UTM Coordinates Easting (X): /4 Sec UTM Coordinates Easting (X): /Nor	thing (Y): R		County

Primary Standard Industrial Classification (SIC) and Facility North American Industrial Classification System (NAICS) Codes.

002 - SIC_ 004 - SIC_ and NAICS



Continental Coal, Inc. Hume Mine N.P.D.E.S. No. MO-0126080 Updated April 2016 Form A 7.1 Page 1 of 3

DISCHARGE POINT ID	FIRST CLASSIFIED STREAM & ID	USGS BASIN & SUB-WATERSHED NO.	STATUS	SECTION TOWNSHIP RANGE	COORDINATES	UTM COORDINATES
003G	Unnamed Tributary to Gillum Creek (c)(01307)	10290101 0602	In Reclamation (Alkaline)	NW/4 of NE/4 of Section 27 T.39N. R.33W. Bates County	N38° 08' 32.2" W094° 32' 21.9"	X 365103 Y 4222723
004G	Unnamed Tributary to Gillum Creek (c)(01307)	10290101 0602	In Reclamation (Alkaline)	SE/4 of NW/4 of Section 27 T.39N. R.33W. Bates County	N38° 08' 16.6" W094° 32' 30.3"	X 364889 Y 4222271
005G	Unnamed Tributary to Gillum Creek (c)(01307)	10290101 0602	In Reclamation (Alkaline)	SW/4 of SE/4 of Section 22 T.39N. R.33W. Bates County	N38° 08' 48.1" W094° 32' 16.1"	X 365248 Y 4223202
006G	Unnamed Tributary to Walnut Creek (c)(01306)	10290101 0602	In Reclamation (Alkaline)	SW/4 of NE/4 of Section 28 T.39N. R.33W. Bates County	N38° 08' 22.8" W094° 33' 32.8"	X 363368 Y 4222447
007G	Unnamed Tributary to Walnut Creek (c)(01306)	10290101 0602	Mined Through Drainage Flows to 015G	SW/4 of NW/4 of Section 22 T.39N. R.33W. Bates County	N38° 09' 22.0" W094° 32' 47.5"	X 364493 Y 4224286
008G	Unnamed Tributary to Gillum Creek (c)(01307)	10290101 0602	In Reclamation (Alkaline)	NW/4 of SE/4 of Section 22 T.39N. R.33W. Bates County	N38° 08' 58.5" W094° 32' 14.5"	X 365304 Y 4223523
009G	Unnamed Tributary to Walnut Creek (c)(01306)	10290101 0602	In Reclamation (Alkaline)	NW/4 of SW/4 of Section 22 T.39N. R.33W. Bates County	N38° 08' 58.9" W094° 33' 00.1"	X 364176 Y 4223566
010G	Unnamed Tributary to Walnut Creek (c)(01306)	10290101 0602	In Reclamation (Alkaline) Drainage Flows to 015G	SW/4 of NW/4 of Section 22 T.39N. R.33W. Bates County	N38° 09' 22" W094° 32' 59"	X 364221 Y 4224296
011G	Unnamed Tributary to Gillum Creek (c)(01307)	10290101 0602	In Reclamation (Alkaline)	SW/4 of NE/4 of Section 22 T.39N. R.33W. Bates County	N38° 09' 21" W094° 32' 13.1"	X 365338 Y 4224016

Continental Coal, Inc. Hume Mine N.P.D.E.S. No. MO-0126080 Updated April 2016 Form A 7.1

Pag	ne.	2	of	3	
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			Page 2 of 3			
DISCHARGE POINT ID	FIRST CLASSIFIED STREAM & ID	USGS BASIN & SUB-WATERSHED NO.	STATUS	SECTION TOWNSHIP RANGE	COORDINATES	UTM COORDINATES
012G	Unnamed Tributary to Walnut Creek (c)(01306)	10290101 0602	In Reclamation (Alkaline) Drainage Flows to 013G	NE/4 of NW/4 of Section 22 T.39N. R.33W. Bates County	N38° 09' 34" W094° 32' 28"	X 364985 Y 4224626
013G	Unnamed Tributary to Walnut Creek (c)(01306)	10290101 0602	In Reclamation (Alkaline)	NW/4 of NE/4 of Section 22 T.39N. R.33W. Bates County	N38° 09' 34" W094° 32' 18"	X 365229 Y 4224622
014G	Unnamed Tributary to Gillum Creek (c)(01307)	10290101 0602	Proposed Will Not Be Constructed	NW/4 of NE/4 of Section 22 T.39N. R.33W.	N38° 09' 29" W094° 32' 11"	X 365398 Y 4224465
015G	Unnamed Tributary to Walnut Creek (c)(01306)	10290101 0602	In Reclamation (Alkaline)	NW/4 of NW/4 of Section 22 T.39N. R.33W. Bates County	N38° 09' 35" W094° 32' 51"	X 364431 Y 4224666
016G	Unnamed Tributary to Walnut Creek (c)(01306)	10290101 0602	Active (Alkaline)	NE/4 of SW/4 of Section 28 T.39N. R.33W.	N38° 08' 33" W094° 33' 33"	X 363233 Y 4222741
017G	Unnamed Tributary to Walnut Creek (c)(01306)	10290101 0602	Active (Alkaline)	NE/4 of SW/4 of Section 28 T.39N. R.33W.	N38° 08' 37" W094° 33' 53"	X 362895 Y 4222889
018G	Unnamed Tributary to Walnut Creek (c)(01306)	10290101 0602	Active (Alkaline)	SW/4 of SW/4 of Section 21 T.39N. R.33W.	N38° 08' 47" W094° 33' 56"	X 362839 Y 4223203
019G	Unnamed Tributary to Walnut Creek (c)(01306)	10290101 0602	Proposed Will Not Be Constructed	SW/4 of SE/4 of Section 21 T.39N. R.33W. Bates County	N38° 08' 45" W094° 33' 25"	X 363561 Y 4223141

Continental Coal, Inc.
Hume Mine
N.P.D.E.S. No. MO-0126080
Updated April 2016
Form A 7.1
Page 3 of 3

			Page 3 of 3			
DISCHARGE POINT ID	FIRST CLASSIFIED STREAM & ID	USGS BASIN & SUB-WATERSHED NO.	STATUS	SECTION TOWNSHIP RANGE	COORDINATES	UTM COORDINATES
020G	Unnamed Tributary to Walnut Creek (c)(01306)	10290101 0602	Active (Alkaline)	NE/4 of SW/4 of Section 21 T.39N. R.33W. Bates County	N38° 08' 58" W094° 33' 37"	X 363288 Y 4223542
021G	Unnamed Tributary to Walnut Creek (c)(01306)	10290101 0602	Active (Alkaline) Drainage Flows to 022G	SE/4 of SE/4 of Section 21 T.39N. R.33W. Bates County	N38° 08' 56" W094° 33' 12"	X 363905 Y 4223475
022G	Unnamed Tributary to Walnut Creek (c)(01306)	10290101 0602	Active (Alkaline)	NW/4, of SE/4 of Section 21 T.39N. R.33W. Bates County	N38° 09' 01" W094° 33' 26"	X 363550 Y 4223636
023G	Unnamed Tributary to Walnut Creek (c)(01306)	10290101 0602	Active (Alkaline)	NW/4 of SE/4 of Section 21 T.39N. R.33W. Bates County	N38° 09' 09" W094° 33' 23"	X 363641 Y 4223888
024G	Unnamed Tributary to Walnut Creek (c)(01306)	10290101 0602	Active (Alkaline)	SE/4 of NE/4 of Section 21 T.39N. R.33W. Bates County	N38° 09' 18" W094° 33' 16"	X 363810 Y 4224163
025G	Unnamed Tributary to Walnut Creek (c)(01306)	10290101 0602	Active (Alkaline)	SE/4 of NE/4 of Section 21 T.39N. R.33W. Bates County	N38° 09' 20" W094° 33' 01"	X 364182 Y 4224215

G - Discharge Points Draining Areas Where No Bonds Have Been Released.

	ADDITIONAL FORMS AND MAPS NECESSARY TO COMPLETE THIS APPLICATION (Complete all forms that are applicable.)		
	Is your facility a manufacturing, commercial, mining or silviculture waste treatment facility? If yes, complete Form C or 2F (2F is the U.S. EPA's Application for Storm Water Discharges Associate with Industrial Activity.)	YES 🔀	№ □
3.	Is application for storm water discharges only? If yes, complete Form C or 2F.	YES 🔀	NO 🗆
Э,	Is your facility considered a "Primary Industry" under EPA guidelines: If yes, complete Forms C or 2F and D.	YES 🔀	NO 🗆
D.	is wastewater land applied? If yes, complete Form I.	YES 🗆	№ М
E	Is sludge, biosolids, ash or residuals generated, treated, stored or land applied? If yes, complete Form R.	YES 🗆	NO 🔀
	n yes, complete rottle it.		
	If you are a Class IA CAFO, please disregard part D and E of this section. However, please attack. Nutrient Management Plan.	ch any revis	sion to your
F	If you are a Class IA CAFO, please disregard part D and E of this section. However, please attack	ch any revis	sion to your
F9.	If you are a Class IA CAFO, please disregard part D and E of this section. However, please attach Nutrient Management Plan. Attach a map showing all outfalls and the receiving stream at 1" = 2,000' scale. DOWNSTREAM LANDOWNER(S) Attach additional sheets as necessary. See Instructions.	ch any revis	sion to your
F 9. NAME	If you are a Class IA CAFO, please disregard part D and E of this section. However, please attack Nutrient Management Plan. Attach a map showing all outfalls and the receiving stream at 1" = 2,000' scale. DOWNSTREAM LANDOWNER(S) Attach additional sheets as necessary. See Instructions. (PLEASE SHOW LOCATION ON MAP. SEE 8.D ABOVE). See Attached Sheet 9.0	ch any revis	zip CODE
F	If you are a Class IA CAFO, please disregard part D and E of this section. However, please attack Nutrient Management Plan. Attach a map showing all outfalls and the receiving stream at 1" = 2,000' scale. DOWNSTREAM LANDOWNER(S) Attach additional sheets as necessary. See Instructions. (PLEASE SHOW LOCATION ON MAP. SEE 8.D ABOVE). See Attached Sheet 9.0	STATE knowledge souri Clean	zip code and belief suc Water Law a
F. 9. NAME ADDRESS).	If you are a Class IA CAFO, please disregard part D and E of this section. However, please attack Nutrient Management Plan. Attach a map showing all outfalls and the receiving stream at 1" = 2,000' scale. DOWNSTREAM LANDOWNER(S) Attach additional sheets as necessary. See Instructions. (PLEASE SHOW LOCATION ON MAP. SEE 8.D ABOVE). See Attached Sheet 9.0 CITY I certify that I am familiar with the information contained in the application, that to the best of my I information is true, complete and accurate, and if granted this permit, I agree to abide by the Mis all rules, regulations, orders and decisions, subject to any legitimate appeal available to applicant Water Law to the Missouri Clean Water Commission.	STATE knowledge souri Clean	and belief suc Water Law a Missouri Clea
NAME AND	If you are a Class IA CAFO, please disregard part D and E of this section. However, please attack Nutrient Management Plan. Attach a map showing all outfalls and the receiving stream at 1" = 2,000' scale. DOWNSTREAM LANDOWNER(S) Attach additional sheets as necessary. See Instructions. (PLEASE SHOW LOCATION ON MAP. SEE 8.D ABOVE). See Attached Sheet 9.0 CITY I certify that I am familiar with the information contained in the application, that to the best of my information is true, complete and accurate, and if granted this permit, I agree to abide by the Mis all rules, regulations, orders and decisions, subject to any legitimate appeal available to applicant Water Law to the Missouri Clean Water Commission.	STATE knowledge souri Clean t under the	zip code and belief sud Water Law a Missouri Clea

BEFORE MAILING, PLEASE ENSURE ALL SECTIONS ARE COMPLETED AND ADDITIONAL FORMS, IF APPLICABLE, ARE INCLUDED.

Submittal of an incomplete application may result in the application being returned.

HAVE YOU INCLUDED:

X	Appropriate Fees? Not applicable
X	Map at 1" = 2000' scale?
X	Signature?
X	Form C or 2F, if applicable?
	Form D, if applicable?
	Form I (Irrigation), if applicable?
	Form R (Sludge), if applicable?
	Revised Nutrient Management Plan, if applicable?

9.0 DOWNSTREAM LANDOWNERS

PERMIT MO-0126080 April 2016

	DP-003	Robert L. Withrow 10473 SW County Road 5508 Hume, Mo. 64779	DP-009, DP-021& DP-022	Laughlin Farms LLC C/O Robert Laughlin 9195 SW County Road 5508 Rich Hill, Mo. 64779-9668
	DP-004	Oswego Coal Co. 2476 Marshall Road Ottawa, Ks. 66062	DP-023 & DP-024	Henry Sumpter Trust 10404 Lee Blvd Leawood, Ks. 66206-2631
	DP-005	Murray Family LLC 749 Lane 13 Powell, Wy. 82435	DP-025	Continental Coal Inc. 10801 Mastin, Suite 920 Overland Park, Ks. 66210
	DP-006	Sandra Davidson C/O Jeffery Davidson 12372 SW Hume St. Hume, Mo. 64752-7852		Overland Faik, NS. 00210
	DP-008 & DP-011	Linda Wymore 1211 N. Spring St. Nevada, Mo. 64772-1247		
,	DP-013	Eileen M. Regers P.O. Box 314 Hume, Mo. 64752-0314		
	DP-015	Thomas Owns 317 W. 115 th St. Kansas City, MO. 64114-5357		
	DP-016 & DP-017	Bartles Family LLC 5436 S. Duffey Ave. Independence, Mo. 64055-6424		
	DP-018	Darrell Hess 12804 SW County Road 7508 Hume, Mo. 64752-7924		
	DP-020	Jonathan & Delaina Kellhofer 5154 SW State Route V		

Hume, Mo. 64752-7895

RECEIVED



MISSOURI DEPARTMENT OF NATURAL RESOURCES APP 1 8 2016
WATER PROTECTION PROGRAM, WATER POLLUTION BRANCH
FORM C - APPLICATION FOR DISCHARGE PERMIT
MANUFACTURING, COMMERCIAL, MINING,
SILVICULTURE OPERATIONS, PROCESS AND STORMWATER

FOR AGENCY USE ONLY					
CHECK NO.					
DATE RECEIVED	FEE SUBMITTED				

1.00 NAME OF FACILITY		
Continental Coal, Inc., - Hume M	ine # 1	
10 THIS FACILITY IS NOW IN OPERATION UNDER MISSOURI OPERATING PERM		
MO 0126080		
	STRUCTION PERMIT NUMBER (COMPLETE ONLY IF THIS FACILITY DOES NOT HAVE AN OPE	ERATING
PERMIT).		
.00 LIST THE STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODES APPLICAE	BLE TO YOUR FACILITY (FOUR DIGIT CODE)	
A. FIRST 1221		
A. FIRST	B. SECOND	
C. THIRD	D. FOURTH	
2.10 FOR EACH OUTFALL GIVE THE LEGAL DESCRIPTION.		
TO THE PART OF THE LEGAL DESCRIPTION.		
OUTFALL NUMBER (LIST)1/41/4 .	SEC T R	COUNT
See Attached Form C 2.10		
See Attached Form C 2.10		
20 FOR EACH OUTFALL LIST THE NAME OF THE RECEIVING WATER		4
OUTFALL NUMBER (LIST)	RECEIVING WATER	
See Attached Form C 2.20		
See Attached Form 6 2.20		
2.30 BRIEFLY DESCRIBE THE NATURE OF YOUR BUSINESS		
Surface Mining of Bituminous Coal.		
The state of the s		

MO 780-1514 (06-13)

Continental Coal, Inc.
Hume Mine
N.P.D.E.S. No. MO-0126080
Updated April 2016
Form C 2.10 & 2.20
Page 1 of 3

DISCHARGE POINT ID	FIRST CLASSIFIED STREAM & ID	USGS BASIN & SUB-WATERSHED NO.	STATUS	SECTION TOWNSHIP RANGE	COORDINATES	UTM COORDINATES
003G	Unnamed Tributary to Gillum Creek (c)(01307)	10290101 0602	In Reclamation (Alkaline)	NW/4 of NE/4 of Section 27 T.39N. R.33W. Bates County	N38° 08' 32.2" W094° 32' 21.9"	X 365103 Y 4222723
004G	Unnamed Tributary to Gillum Creek (c)(01307)	10290101 0602	In Reclamation (Alkaline)	SE/4 of NW/4 of Section 27 T.39N. R.33W. Bates County	N38° 08' 16.6" W094° 32' 30.3"	X 364889 Y 4222271
005G	Unnamed Tributary to Gillum Creek (c)(01307)	10290101 0602	In Reclamation (Alkaline)	SW/4 of SE/4 of Section 22 T.39N. R.33W. Bates County	N38° 08' 48.1" W094° 32' 16.1"	X 365248 Y 4223202
006G	Unnamed Tributary to Walnut Creek (c)(01306)	10290101 0602	In Reclamation (Alkaline)	SW/4 of NE/4 of Section 28 T.39N. R.33W. Bates County	N38° 08' 22.8" W094° 33' 32.8"	X 363368 Y 4222447
007G	Unnamed Tributary to Walnut Creek (c)(01306)	10290101 0602	Mined Through Drainage Flows to 015G	SW/4 of NW/4 of Section 22 T.39N. R.33W. Bates County	N38° 09' 22.0" W094° 32' 47.5"	X 364493 Y 4224286
008G	Unnamed Tributary to Gillum Creek (c)(01307)	10290101 0602	In Reclamation (Alkaline)	NW/4 of SE/4 of Section 22 T.39N. R.33W. Bates County	N38° 08' 58.5" W094° 32' 14.5"	X 365304 Y 4223523
009G	Unnamed Tributary to Walnut Creek (c)(01306)	10290101 0602	In Reclamation (Alkaline)	NW/4 of SW/4 of Section 22 T.39N. R.33W. Bates County	N38° 08' 58.9" W094° 33' 00.1"	X 364176 Y 4223566
010G	Unnamed Tributary to Walnut Creek (c)(01306)	10290101 0602	In Reclamation (Alkaline) Drainage Flows to 015G	SW/4 of NW/4 of Section 22 T.39N. R.33W. Bates County	N38° 09' 22" W094° 32' 59"	X 364221 Y 4224296
011G	Unnamed Tributary to Gillum Creek (c)(01307)	10290101 0602	In Reclamation (Alkaline)	SW/4 of NE/4 of Section 22 T.39N. R.33W. Bates County	N38° 09' 21" W094° 32' 13.1"	X 365338 Y 4224016

Continental Coal, Inc. Hume Mine N.P.D.E.S. No. MO-0126080 Updated April 2016 Form C 2.10 & 2.20

Pi	age	2	of	3

Page 2 of 3						
DISCHARGE POINT ID	FIRST CLASSIFIED STREAM & ID	USGS BASIN & SUB-WATERSHED NO.	STATUS	SECTION TOWNSHIP RANGE	COORDINATES	UTM COORDINATES
012G	Unnamed Tributary to Walnut Creek (c)(01306)	10290101 0602	In Reclamation (Alkaline) Drainage Flows to 013G	NE/4 of NW/4 of Section 22 T.39N. R.33W. Bates County	N38° 09' 34" W094° 32' 28"	X 364985 Y 4224626
013G	Unnamed Tributary to Walnut Creek (c)(01306)	10290101 0602	In Reclamation (Alkaline)	NW/4 of NE/4 of Section 22 T.39N. R.33W. Bates County	N38° 09' 34" W094° 32' 18"	X 365229 Y 4224622
014G	Unnamed Tributary to Gillum Creek (c)(01307)	10290101 0602	Proposed Will Not Be Constructed	NW/4 of NE/4 of Section 22 T.39N. R.33W. Bates County	N38° 09' 29" W094° 32' 11"	X 365398 Y 4224465
015G	Unnamed Tributary to Walnut Creek (c)(01306)	10290101 0602	In Reclamation (Alkaline)	NW/4 of NW/4 of Section 22 T.39N. R.33W. Bates County	N38° 09' 35" W094° 32' 51"	X 364431 Y 4224666
016G	Unnamed Tributary to Walnut Creek (c)(01306)	10290101 0602	Active (Alkaline)	NE/4 of SW/4 of Section 28 T.39N. R.33W. Bates County	N38° 08' 33" W094° 33' 33"	X 363233 Y 4222741
017G	Unnamed Tributary to Walnut Creek (c)(01306)	10290101 0602	Active (Alkaline)	NE/4 of SW/4 of Section 28 T.39N. R.33W. Bates County	N38° 08' 37" W094° 33' 53"	X 362895 Y 4222889
018G	Unnamed Tributary to Walnut Creek (c)(01306)	10290101 0602	Active (Alkaline)	SW/4 of SW/4 of Section 21 T.39N. R.33W. Bates County	N38° 08' 47" W094° 33' 56"	X 362839 Y 4223203
019G	Unnamed Tributary to Walnut Creek (c)(01306)	10290101 0602	Proposed Will Not Be Constructed	SW/4 of SE/4 of Section 21 T.39N. R.33W. Bates County	N38° 08' 45" W094° 33' 25"	X 363561 Y 4223141

Continental Coal, Inc. Hume Mine N.P.D.E.S. No. MO-0126080 Updated April 2016 Form C 2.10 & 2.20

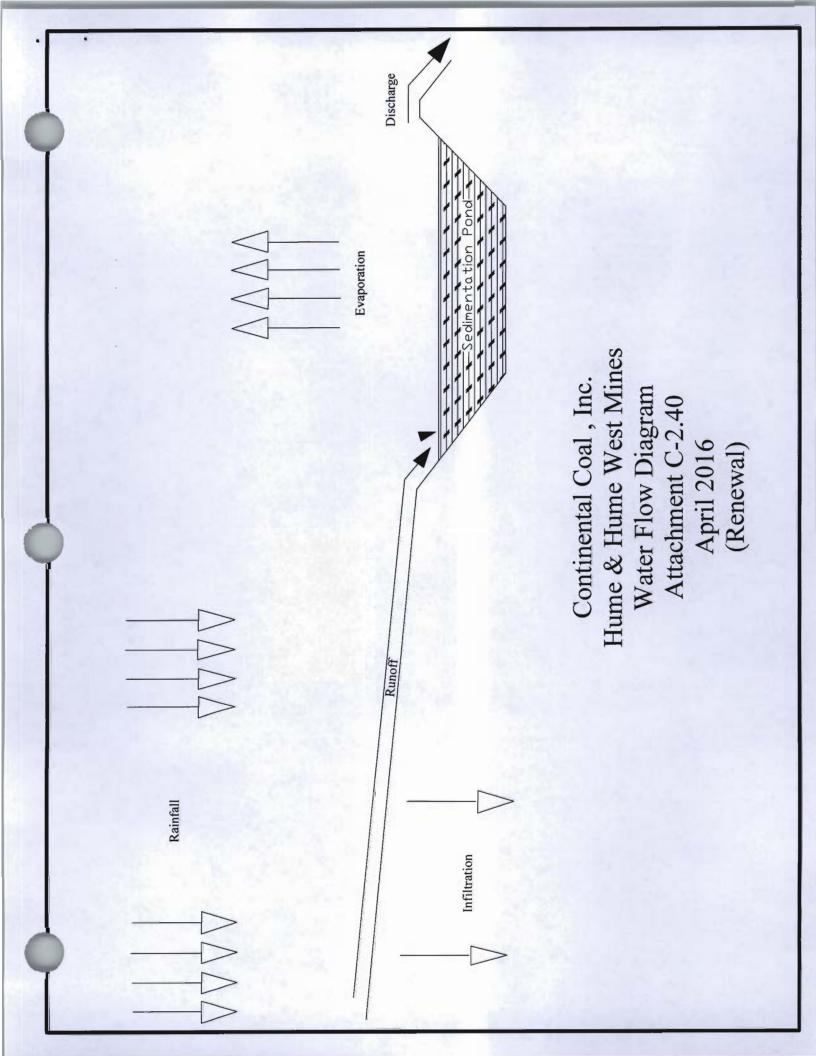
Page 3 of 3

DISCHARGE POINT ID	FIRST CLASSIFIED STREAM & ID	USGS BASIN & SUB-WATERSHED NO.	STATUS	SECTION TOWNSHIP RANGE	COORDINATES	UTM COORDINATES
020G	Unnamed Tributary to Walnut Creek (c)(01306)	10290101 0602	Active (Alkaline)	NE/4 of SW/4 of Section 21 T.39N. R.33W. Bates County	N38° 08' 58" W094° 33' 37"	X 363288 Y 4223542
021G	Unnamed Tributary to Walnut Creek (c)(01306)	10290101 0602	Active (Alkaline) Drainage Flows to 022G	SE/4 of SE/4 of Section 21 T.39N. R.33W. Bates County	N38° 08' 56" W094° 33' 12"	X 363905 Y 4223475
022G	Unnamed Tributary to Walnut Creek (c)(01306)	10290101 0602	Active (Alkaline)	NW/4 of SE/4 of Section 21 T.39N. R.33W. Bates County	N38° 09' 01" W094° 33' 36"	X 363550 Y 4223636
023G	Unnamed Tributary to Walnut Creek (c)(01306)	10290101 0602	Active (Alkaline)	NW/4 of SE/4 of Section 21 T.39N. R.33W. Bates County	N38° 09' 09" W094° 33' 23"	X 363641 Y 4223888
024G	Unnamed Tributary to Walnut Creek (c)(01306)	10290101 0602	Active (Alkaline)	SE/4 of NE/4 of Section 21 T.39N. R.33W. Bates County	N38° 09' 18" W094° 33' 16"	X 363810 Y 4224163
025G	Unnamed Tributary to Walnut Creek (c)(01306)	10290101 0602	Active (Alkaline)	SE/4 of NE/4 of Section 21 T.39N. R.33W. Bates County	N38° 09' 20" W094° 33' 01"	X 364182 Y 4224215

G - Discharge Points Draining Areas Where No Bonds Have Been Released.

- A. Attach a line drawing showing the water flow through the facility. Indicate sources of intake water, operations contributing wastewater to the effluent and treatment units labeled to correspond to the more detailed descriptions in item B. Construct a water balance on the line drawing by showing average flows between intakes, operations, treatment units, public sewers and outfalls. If a water balance cannot by determined (e.g., for certain mining activities), provide a pictorial description of the nature and amount of any sources of water and any collection or treatment measures.
- B. For each outfall, provide a description of 1. All operations contributing wastewater to the effluent, including process wastewater, sanitary wastewater, cooling water and storm water runoff. 2. The average flow contributed by each operation. 3. The treatment received by the wastewater. Continue on additional sheets if necessary.

1. OUTFALL NO.	2. OPERATION	(S) CONTRIBUTING FLOW	3. TREATM	MENT
(LIST)	A. OPERATION (LIST)	B. AVERAGE FLOW (INCLUDE UNITS) (MAXIMUM FLOW)	A. DESCRIPTION	B. LIST CODES FROM TABLE A
003	Storm Water	Rainfall Dependent	Sedimentation	1-
004	Storm Water	Rainfall Dependent	Sedimentation	1-
005	Storm Water	Rainfall Dependent	Sedimentation	1-
006	Storm Water	Rainfall Dependent	Sedimentation	1-
007	Storm Water	Rainfall Dependent	Sedimentation	1-
008	Storm Water	Rainfall Dependent	Sedimentation	1-
009	Storm Water	Rainfall Dependent	Sedimentation	1-
010	Storm Water	Rainfall Dependent	Sedimentation	1-
011	Storm Water	Rainfall Dependent	Sedimentation	1-
012	Storm Water	Rainfall Dependent	Sedimentation	1 1-
013	Storm Water	Rainfall Dependent	Sedimentation	1-
014	Storm Water	Rainfall Dependent	Sedimentation	1-
015	Storm Water	Rainfall Dependent	Sedimentation	1 1-
016	Storm Water	Rainfall Dependent	Sedimentation	1-
017	Storm Water	Rainfall Dependent	Sedimentation	1-
018	Storm Water	Rainfall Dependent	Sedimentation	1-
019	Storm Water	Rainfall Dependent	Sedimentation	1-
020	Storm Water	Rainfall Dependent	Sedimentation	1-
021	Storm Water	Rainfall Dependent	Sedimentation	11-
022	Storm Water	Rainfall Dependent	Sedimentation	1-
023	Storm Water	Rainfall Dependent	Sedimentation	1 1
024	Storm Water	Rainfall Dependent	Sedimentation	11
025	Storm Water	Rainfall Dependent	Sedimentation	1 1



	YES (COMPLETE THE FOLL	OWING TABLE)	NO (GO	TO SECTION 2	. 50)		1/1/1/2		
			2 505	QUENCY		4. 1	LOW		
OUTFALL			J. FRE	QUENCI	A. FLOW R	ATE (in mgd)	B. TOTAL VOLU		C. DURATI
NUMBER (fist)	2. OPERATION(S) CONTI	RIBUTING FLOW (list)	A. DAYS PER WEEK (specify average)	B. MONTHS PER YEAR (specify average)	1. LONG TERM AVERAGE	2. MAXIMUM DAILY	4. LONG TERM DAILY	3. MAXIMUM AVERAGE	(in days)
	PRODUCTION N EFFLUENT GUIDELINE LIMITAT	TION DOOM I CAYED BY	CDA UNIDED SECTI	ON 304 OF THE	CLEAN WATER A	CT ADDI V TO VO	NID FACILITY		
-	S (COMPLETE B.)	NO (GO TO SECTION 2	The second secon	ON 304 OF THE	CLEAN WATER A	CI APPLY TO YO	OUR FACILITY?		
	LIMITATIONS IN THE APPLICAB	M .		TERMS OF PRO	DUCTION (OF OT	HER MEASURE (OF OPERATION)?		
	S (COMPLETE c.)			MEASUREMEN	NT OF YOUR MAY	MALIMAL EVEL OF	PRODUCTION EX	DDESSED IN TH	E TEDMS
	USED IN THE APPLICABLE EFFL					INION LEVEL OF	FRODUCTION, EX	FRESSED IN TE	IE TERWIS
		1. M/	AXIMUM QUANTITY						FECTED
QUANTITY P	ER DAY B. UNITS OF MEASU	JRE	C. OI		DUCT, MATERIAL ecify)	, ETC.	A 2.2		TFALLS all numbers)
				15					
OPERATION APPLICATION STIPULATION	J NOW REQUIRED BY ANY FEDE N OF WASTEWATER TREATMENT DN? THIS INCLUDES, BUT IS NO DNS, COURT ORDERS AND GRAM	FEQUIPMENT OR PRACT TLIMITED TO, PERMIT CO NT OR LOAN CONDITIONS	ICES OR ANY OTH ONDITIONS, ADMIN S.	ER ENVIRONME	NTAL PROGRAMS	THAT MAY AFF	ECT THE DISCHAP	RGES DESCRIBE	ED IN THIS
A ARE YOU OPERATION APPLICATION STIPULATION YES (C	J NOW REQUIRED BY ANY FEDE N OF WASTEWATER TREATMENT DN? THIS INCLUDES, BUT IS NO DNS, COURT ORDERS AND GRAM OMPLETE THE FOLLOWING TAB	FEQUIPMENT OR PRACT TLIMITED TO, PERMIT CO NT OR LOAN CONDITIONS	ICES OR ANY OTH ONDITIONS, ADMIN S (GO TO 3.00)	ER ENVIRONME	NTAL PROGRAMS	THAT MAY AFF	ECT THE DISCHAP	RGES DESCRIBE	ED IN THIS E LETTERS.
A ARE YOU OPERATION APPLICATION STIPULATION YES (C)	J NOW REQUIRED BY ANY FEDE N OF WASTEWATER TREATMENT DN? THIS INCLUDES, BUT IS NO DNS, COURT ORDERS AND GRAM	T EQUIPMENT OR PRACT T LIMITED TO, PERMIT CO NT OR LOAN CONDITIONS (LE)	ICES OR ANY OTH ONDITIONS, ADMIN S (GO TO 3.00)	ER ENVIRONME IISTRATIVE OR E	NTAL PROGRAMS	STHAT MAY AFF RDERS, ENFORG	ECT THE DISCHAR	RGES DESCRIBE NCE SCHEDULI	ED IN THIS E LETTERS,

2 00	MITAVE	ANID	ECCI	DENT	CHAD	ACTERISTICS	

A & B SEE INSTRUCTIONS BEFORE PROCEEDING - COMPLETE ONE TABLE FOR EACH OUTFALL - ANNOTATE THE OUTFALL NUMBER IN THE SPACE PROVIDED. NOTE: TABLE 1 IS INCLUDED ON SEPARATE SHEETS NUMBERED FROM PAGE 6 TO PAGE 7.

C. USE THE SPACE BELOW TO LIST ANY OF THE POLLUTANTS LISTED IN PART B OF THE INSTRUCTIONS, WHICH YOU KNOW OR HAVE REASON TO BELIEVE IS DISCHARGED OR MAY BE DISCHARGED FROM ANY OUTFALL. FOR EVERY POLLUTANT YOU LIST, BRIEFLY DESCRIBE THE REASONS YOU BELIEVE IT TO BE PRESENT AND REPORT ANY ANALYTICAL DATA IN YOUR POSSESSION.

1. POLLUTANT	2. SOURCE	1. POLLUTANT	2. SOURCE
No Pollutants from Table	B are expected in Effluent.		
		M 497	
			19 - 6 -
	WELL TO BE DOWN	1 Pataria	
	ESTAL MATERIAL AND		
			Reference to the second
numar .		E-y Television	

		accume.
CD PERFORMED BY A CONTRACT LABORA O TELEPHONE NUMBER OF AND POLLUTAN		Maelow) No (GO 10 3 20)
B. ADDRESS	C. TELEPHONE (area code and number)	D. POLLUTANTS ANALYZED
9608 Loriet Blvd. Lenexa, KS 66219	913-599-5665	All
ACHMENTS AND THAT, BASED O ION, I BELIEVE THAT THE INFORM OR SUBMITTING FALSE INFORMA	ON MY INDUSTRY OF THOSE INDIVIDUALS MATION IS TRUE, ACCURATE AND COM ATION, INCLUDING THE POSSIBILITY OF	IMMEDIATELY RESPONSIBLE PLETE I AM AWARE THAT T
	B. ADDRESS 9608 Loriet Blvd. Lenexa, KS 66219 AW THAT I HAVE PERSONALLY ACHMENTS AND THAT, BASED O ON, I BELIEVE THAT THE INFORMAR SUSMITTING FALSE INFORMAR	9608 Loriet Blvd. Lenexa, KS 66219 AW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE ACHIENTS AND THAT, BASED ON MY INDUMPY OF THOSE INDUCTORS ON, I BELIEVE THAT THE INFORMATION IS TRUE, ACCURATE AND COMIR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF

PAGE 5

FORM C TABLE 1 FOR 3.00 ITEM A AND B

8/2016

Renew

B. NO. OF ANALYSES 4. INTAKE (optional) (2) MASS A. LONG TERM AVRG. VALUE OUTFALL NO 003 (1) CONCENTRATION 3. UNITS (specify if blank) B. MASS PARTA - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details. A. CONCEN-TRATION mg/e mg/e mg/e mg/l D. NO. OF ANALYSES 104 2 2 2 (2) MASS C. LONG TERM AVRG. VALUE (1) CONCENTRATION 2.4 13.4 5.2 29.7 2. EFFLUENT MAXIMUM 30 DAY VALUE (if available) (2) MASS (1) CONCENTRATION ø INTAKE AND EFFLUENT CHARACTERISTICS (2) MASS A. MAXIMUM DAILY VALUE (1) CONCENTRATION 2.7 16.8 6.2 220.0 B. Chemical Oxygen Demand D. Total Suspended Solids C. Total organic Carbon 4. Biochemical Oxygen 1. POLLUTANT Demand (BOD) (cop) (TOC)

PART B - Mark "X" in column 2A for each pollutarn you know or have reason to believe is present. Mark "X" in column 2B for each pollutarit you believe to be absent. If you mark column 2A for any pollutarit, you must provide the results for at least one analysis for that pollutarit. Complete one table for each outfall. See the instructions for additional details and requirements. 10.14 6.48

VALUE

mg/e

2

0.1

VALUE

Precipitation Dependent

<0.1

E. Ammonia (as N)

(TSS)

VALUE

VALUE

VALUE

G. Temperature

winter)

F. Flow

VALUE

VALUE

H. Temperature (summer)

VALUE

MAXIMUM

MINIMUM

MAXIMUM

MINIMUM

펍

VALUE VALUE

S

7.4 27.4

47

S

STANDARD UNITS

166 29

	2. MA	2. MARK "X"			9.	3. EFFLUENT				4. UNITS	ITS	S. INTA	5. INTAKE (optional)	
1. POLLUTANT AND CAS NUMBER	ď	ď	A. MAXIMUM DAILY VALUE	VALUE	B. MAXIMUM 30 DAY	AY VALUE	B. MAXIMUM 30 DAY VALUE C. LONG TERM AVRG. VALUE (if available)	RG. VALUE	D. NO. OF	D. NO. OF A. CONCEN-	0	A. LONG TERM AVRG. VALUE	RG. VALUE	-
(rf available)	PRESENT	BELIEVED BELIEVED PRESENT ABSENT	CONCENTRATION (2) MASS CONCENTRATION (2) MASS CONCENTRATION (2) MASS	Z) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION		CONCENTRATION (2) MASS AN	(2) MASS	ANALYSES

CONVENTIONAL AND NONCONVENTIONAL POLLUTANTS

	The state of the s	The same of the last of the la	The same of the sa					
A. Bromide (24959-67-9)	×							
B. Chlorine, Total Residual	×							
C. Color	×							
D. Fecal Coliform	×							
E. Fluoride (16984-48-8)	×							
F. Nitrate - Nitrate (as N)	×							
100 700 4544 (DC 40)	The state of the s			The same of the sa			d	PAGE 6

MO 780-1514 (06-13) < = ND-Not Detected at or above adjusted reporting limit + reporting limit

* Believed present based on other nearby impoundment testing in January 2003, but not tested.

Note: Some results include Land Reclamation Program required sampling.

18/2016	
Renew.	

1	in the second				The second second									
The particular The		2. MA	RK "X"			3.	FFLUENT			4. UNI	ITS	FNI .6	AKE (optional)	
Participan Automatical Market Automatical Mar	1. POLLUTANT AND CAS NUMBER	ď			Y VALUE	B. MAXIMUM 30 D	AY VALUE	C. LONG TERM AV	D. NO. OF	A. CONCEN-	R MASS	A. LONG TERM A	VRG. VALUE	B. NO. OF
Notation X	(if available)	PRESENT		(1) CONCENTRATION		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	ANALYSES	TRATION		(1) CONCENTRATION		ANALYSES
	G. Nitrogen, Total Organic (as N)		×											
X	H. Oil and Grease		×											
X	 Phosphorus (as P), Total (7723-14-0) 		×											
	J. Sulfate (as SO³) (14808-79-8)	×		379				41.9	84	mg/e		-		
	K. Sulfide (as S)		×						W A					
X*	L. Sulfite (as SO³) (14265-45-3)		×											
X	M. Surfactants		×											
X* X* <th< td=""><td>N. Aluminum, Total (7429-90-5)</td><td>**</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>	N. Aluminum, Total (7429-90-5)	**												
X* X X 28.9 3.2845 103 mg/le Ital X* 1.4 0.1822 59 mg/le X X 1.4 0.1822 59 mg/le X X X X X X X X X X X X X X X	O. Barium, Total (7440-39-3)	*×												
X	P. Boron, Total (7440-42-8)	*												
X	Q. Cobalt, Total (7440-48-4)		×											
tal X* And the state of th	R. Iron, Total (7439-89-6)	×		28.9				3.2845	103	mg/e				
otal X T.4 0.1822 59 mg/lc X	S. Magnesium, Total (7439-95-4)	*												
Atal X 1.4 0.1822 59 mg/lc X	T. Molybdenum, Total (7439-98-7)		×											
* *	U. Manganese, Total (7439-96-5)	×		1.4				0.1822	59	a/gm				
×	V. Tin, Total (7440-31-5)		×											
	W. Titanium, Total (7440-32-6)		×											

* Believed present based on other nearby impoundment testing in January 2003, but not tested.

	2. MA	2. MARK "X"			3. Е	3. EFFLUENT				4. UNITS	IITS	6. INT	5. INTAKE (optional)	
1. POLLUTANT AND CAS NUMBER	ď		A. MAXIMUM DAILY VALUE	VALUE	B. MAXIMUM 30 D.	MUM 30 DAY VALUE	C. LONG TERM AVRG. VALUE	RG. VALUE	D. NO. 0F	A. CONCEN-	0	A. LONG TERM AVRG. VALUE		B. NO. OF
(ii avaliable)	PRESENT	ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	CONCENTRATION	(2) MASS	ANALYSES	TRATION	D. MASS	CONCENTRATION	(2) MASS	ANALYSES
METALS, AND TOTAL PHENOLS	IOLS													
1M. Antimony, Total (7440-36-9)	*													
2M. Arsenic, Total (7440-38-2)		×												
3M. Beryllium, Total (7440-41-7)		×												
4M. Cadmium, Total (7440-43-9)		×												
5M. Chromium III (16065-83-1)	*													
6M. Chromium VI (18540-29-9)		×												
7M. Copper, Total (7440-50-8)	*													
8M. Lead, Total (7439-92-1)	*													
9M. Mercury, Total (7439-97-6)		×												
10M. Nickel, Total (7440-02-0)	*													
11M. Selenium, Total (7782-49-2)	*													
12M. Silver, Total (7440-22-4)		×												
13M. Thallium, Total (7440-28-0)	*													
14M. Zinc, Total (7440-66-6)	*													
15M. Cyanide, Amenable to Chlorination		×												
16M. Phenols, Total		×												
RADIOACTIVITY														
(1) Alpha Total		×												
(2) Beta Total		×												
(3) Radium Total		×												
(4) Radium 226 Total		×												

* Believed present based on other nearby impoundment testing in January 2003, but not tested.

Renew FORM C TABLE 1 FOR 3.00 ITEM A AND B

18/2016

OUTFALL NO. 9

INTAKE AND EFFLUENT CHARACTERISTICS

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

				2. EFFLUENT				3. UNITS (specify if blank)	ecify if blank)	4. N	4. INTAKE (optional)	
Z	A. MAXIMUM DAILY VALUE	VALUE	B. MAXIMUM 30 DAY VALUE (if available)	DAY VALUE	C. LONG TERM AVRG. VALUE (if available)	VRG. VALUE	D. NO. OF	A. CONCEN-		A. LONG TERM AVRG. VALUE	VRG. VALUE	B. NO. OF
NCE	(1) CONCENTRATION (2)	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	B. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
4)	5.7				4.1		2	a/6m				
	28.9				28.9		2	mg/e				
	9.5				7.7		2	mg/e				
L)	58.0				13.6		78	mg/ℓ				
V	<0.1				<0.1		2	J/Bm			101	
VALUE	VALUE VALUE Precipitation Dependent	epende	VALUE		VALUE					VALUE		
VALUE			VALUE		VALUE		33	7.7 °C	0	VALUE		
VALUE			VALUE		VALUE		32	28.7 °C	0	VALUE		
MINIMUM	Z		MINIMUM	MAXIMUM			142	STANDARD UNITS	STINU D			

PART B - Mark "X" in column 2A for each pollutant, you know or have reason to believe is present. Mark "X" in column 2B for each pollutant, you mark column 2A for any pollutant, you must provide the results for at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

	2. MARK "X"	×			e,	3. EFFLUENT			CACHE STATE OF THE PARTY OF THE	4. UNITS	ITS	5. INTAKE (optional)	Üe
AND CAS NUMBER	A.	e 2	A. MAXIMUM DAILY VALUE	Y VALUE	B. MAXIMUM 30 DAY	AY VALUE	. MAXIMUM 30 DAY VALUE C. LONG TERM AVRG. VALUE (if available)	RG. VALUE	D. NO. OF	D. NO. OF A. CONCEN-	000	A. LONG TERM AVRG. VALUE	_
(ii dydiiddie)	PRESENT ABSENT	BSENT	(1) CONCENTRATION	(2) MASS	ONCENTRATION (2) MASS CONCENTRATION (2) MASS	(2) MASS	S CONCENTRATION (2) MASS AN	(2) MASS	ANALYSES	TRATION	-	CONCENTRATION (2) MASS AN	ANALYSES

CONVENTIONAL AND NONCONVENTIONAL POLLUTANTS

The state of the s					-		
A. Bromide (24959-67-9)	×						
B. Chlorine, Total Residual	×						
C. Color	×						
D. Fecal Coliform	*						
E. Fluoride (16984-48-8)	×						
F. Nitrate - Nitrate (as N)	×						
140 700 4544 INC 491		The second secon					-

< = ND-Not Detected at or above adjusted reporting limit + reporting limit
* Believed present based on other nearby impoundment testing in January 2003, but not tested.
Note: Some results include Land Reclamation Program required sampling.</p>

1	Odila.										-			
Automatical parameter Auto		2. MAR	3K "X"			ě,	FFLUENT			4. UNITS		5. INTA	AKE (optional)	
Page 10 Page	AND CAS NUMBER	A.		A. MAXIMUM DAIL	LY VALUE	B. MAXIMUM 30 D	AY VALUE	C. LONG TERM AV			SSAM	A. LONG TERM AV		B. NO. OF
Note	וו פגפוופחום)	PRESENT		(1) CONCENTRATION		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	10000	-		(1) CONCENTRATION		ANALYSES
Respective Solid X A 172.6 74 mg/f A A Solid X 1310 172.6 74 mg/f A A Solid X X A <td>G. Nitrogen, Total Organic (as N)</td> <td></td> <td>×</td> <td></td>	G. Nitrogen, Total Organic (as N)		×											
SO ¹ /2 X 1310 1726 74 mg/t 74 74 mg/t 74 mg/t 74 74 74 mg/t 74 7	H. Oil and Grease		×											
Soff X 1310 1726 74 mg/t Soff X 4	. Phosphorus (as P), Total 7723-14-0)		×											
So	J. Sulfate (as SO ⁴) 14808-79-8)	×		1310				172.6	74	mg/ℓ				
Sof) Sa	<. Sulfide (as S)		×											
X* X X X X X X X X X	Sulfite (as SO³) 14265-45-3)		×											
Total X*	M. Surfactants		×											
stall X* A <td>N. Aluminum, Total (7429-90-5)</td> <td>*</td> <td></td> <td>2 2</td>	N. Aluminum, Total (7429-90-5)	*												2 2
tal X* X	 Barium, Total 7440-39-3) 	*×											100	
tall X 3.18 0.61 76 mg/t 8 n. Total X* 3.18 0.61 76 mg/t 8 m., Total X 9.76 0.787 44 mg/t 8 e. Total X X 0.787 44 mg/t 8 Total X X 0.787 44 mg/t 8 8	P. Boron, Total 7440-42-8)	*												
X* 3.18 0.61 76 mg/le Resident of the control of	2. Cobalt, Total 7440-48-4)		×											
m, Total X* A Mg/le Mg/	R. Iron, Total 7439-89-6)	×		3.18				0.61	92	mg/e	4.			
mr, Total X 9.76 0.787 44 mg/le Property Total X <	S. Magnesium, Total 7439-95-4)	*												
i.e. Total X 9.76 0.787 44 mg/le 1	T. Molybdenum, Total 7439-98-7)		×											
Total X	J. Manganese, Total 7439-96-5)	×		9.76				0.787	44	mg/e				
×	v. Tin, Total 7440-31-5)		×											
	W. Titanium, Total 7440-32-6)		×											

* Believed present based on other nearby impoundment testing in January 2003, but not tested.

		A. CONCE	TRATIO
		D. NO. OF A. CONCE	ANALYSES TRATION
		RG. VALUE	0000000
		B. MAXIMUM 30 DAY VALUE C. LONG TERM AVRG. VALUE (if available)	(1)
0	3. EFFLUENT	DAY VALUE	20000
	e,	B. MAXIMUM 30 DAY (if available)	(1)
		Y VALUE	-
		A. MAXIMUM DAILY VALUE	(1)
	"X" X8	A. B.	PRESENT ABSENT
	2. MARK "X"	A.	PRESENT
		UTANT NUMBER	1000

Renew

Figure F		2. MA	2. MARK "X"			3. E	EFFLUENT				4. UNITS	IITS	5. INT	5. INTAKE (optional)	
	1. POLLUTANT AND CAS NUMBER	A.			r value	B. MAXIMUM 30 D.	AY VALUE	C. LONG TERM AV	RG. VALUE	D. NO. OF	A. CONCEN.	200	A. LONG TERM AV	VRG. VALUE	B. NO. OF
X	(זי פעפויפטיפי)	PRESENT			(2) MASS		(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	G. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
	METALS, AND TOTAL PHEN	OLS													
	1M. Antimony, Total (7440-36-9)	*													
	2M. Arsenic, Total (7440-38-2)		×												
	3M. Beryllium, Total (7440-41-7)		×												
	4M. Cadmium, Total 7440-43-9)		×		CHA.										3.
	M. Chromium III 16065-83-1)	×													
× × × × × × × × × × × × × × × × × × ×	M. Chromium VI 18540-29-9)		×												
× × × × × × × × × × × × × × × × × × ×	7440-50-8)	×		p											
× × × × × × × × × × × × × × × × × × ×	IM. Lead, Total 7439-92-1)	*													
× × × × × × × × × × × × × × × × × × ×	M. Mercury, Total 7439-97-6)		×												
* * * * * * * * * * * * * * * * * * *	0M. Nickel, Total 7440-02-0)	×													
× × × × × × × × × × × × × × × × × × ×	1M. Selenium, Total 7782-49-2)	*													
*	2M. Silver, Total 7440-22-4)		×												
*×	3M. Thaillum, Total 7440-28-0)	*													
aple to	4M. Zinc, Total '440-66-6)	*×													
	5M. Cyanide, Amenable to hlorination		×												
	6M. Phenois, Total		×												Open All
	ADIOACTIVITY														
	1) Alpha Total		×												
	2) Beta Total		×												
	3) Radium Total		×												
	(4) Radium 226 Total		×												

^{*} Believed present based on other nearby impoundment testing in January 2003, but not tested.

INTAKE AND EFFLUENT CHARACTERISTICS

OUTFALL NO 005

8/2016 Renew FORM C TABLE 1 FOR 3.00 ITEM A AND B

				2. EFFLUENT	F			3. UNITS (specify if blank)	fy if blank)	4. IN	4. INTAKE (optional)	0
1. POLLUTANT	A. MAXIMUM DAILY VALUE	AILY VALUE	B. MAXIMUM 30 DAY VALUE (if available)	DAY VALUE	C. LONG TERM AVRG. VALUE	WRG. VALUE	D NO OF	A. CONCEN.		A. LONG TERM AVRG. VALUE	RG. VALUE	B. NO. OF
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(Z) MASS	ANALYSES	TRATION	B. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
A. Biochemical Oxygen Demand (BOD)	<2.0				<2.0		2	mg/e				
B. Chemical Oxygen Demand (COD)	<10.0				<10.0		2	a/6m				
C. Total organic Carbon (TOC)	3.2				2.5		2	a/gm				
D. Total Suspended Solids (TSS)	292				20.2		391	mg/e				
E. Ammonia (as N)	0.12				0.11		2	a/gm				70
F. Flow	Precipitation Dependent	n Depend	value		VALUE					VALUE		
G. Temperature (winter)	VALUE		VALUE		VALUE		126	7.0 °C		VALUE		
H. Temperature (summer)	VALUE		VALUE		VALUE		125	27.0 °C		VALUE		
I. pH	MINIMUM 6.09	MAXIMUM 9.18	MINIMUM	MAXIMUM			538	STANDARD UNITS	UNITS			

pollutarit. Complete one table for each outfall. See the instructions for additional details and requirements.

	2. MARK "X"	"X")		3.	3. EFFLUENT				4. UNITS	IITS	S. INTA	5. INTAKE (optional)	T. or Same
1. POLLUTANT AND CAS NUMBER	Ą	80	A. MAXIMUM DAILY VALUE	B. MAXIMUM 30 DAY	AY VALUE	B. MAXIMUM 30 DAY VALUE C. LONG TERM AVRG. VALUE (if available)	RG. VALUE	D. NO. OF	D. NO. OF A. CONCEN-	0	A. LONG TERM AVRG. VALUE		B. NO. OF
(ii avalidole)	PRESENT ABSENT		CONCENTRATION (2) MASS CONCENTRATION (2) MASS CONCENTRATION (2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	0. 11.00	CONCENTRATION (2) MASS		ANALYSES

CONVENTIONAL AND NONCONVENTIONAL POLLUTANTS

B. Chlorine, Total Residual X C. Color X D. Fecal Coliform X E. Fluoride (16984-48-8) X F. Nitrate - Nitrate (as N) X	A. Bromide (24959-67-9)	×						
	3. Chlorine, Total Residual	×						
	5. Color	×						
	O. Fecal Coliform	×						
131	E. Fluoride 16984-48-8)	×						
	. Nitrate - Nitrate (as N)	×						

MO_NOT 180-1014 (10-13)= ND-Not Detected at or above adjusted reporting limit + reporting limit

* Believed present based on other nearby impoundment testing in January 2003, but not tested.

Note: Some reculte include I and Reclamation Program required campling

	2. MA	2. MARK "X"			3. 6	3. EFFLUENT				4. UNITS	S	S. INTA	5. INTAKE (optional)	
1. POLLUTANT AND CAS NUMBER			A. MAXIMUM DAILY VALUE	LY VALUE	B. MAXIMUM 30 DAY VALUE (if available)	AY VALUE	C. LONG TERM AVRG. VALUE		D. NO. OF	A. CONCEN-	200	A. LONG TERM AVRG. VALUE		B. NO. OF
(AIGBIRAP II)	PRESENT	ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES			(1) CONCENTRATION	(2) MASS	INALYSES
G. Nitrogen, Total Organic (as N)		×												
H. Oil and Grease		×												
 Phosphorus (as P), Total (7723-14-0) 		×												
J. Sulfate (as SO ⁴) (14808-79-8)	×		1390				404.8		108	mg/e				
K. Sulfide (as S)		×												
L. Sulfite (as SO³) (14265-45-3)		×												
M. Surfactants		×												
N. Aluminum, Total (7429-90-5)	*													
O. Barium, Total (7440-39-3)	*													
P. Boron, Total (7440-42-8)	*													
Q. Cobalt, Total (7440-48-4)		×												
R. Iron, Total (7439-89-6)	×		9.18				0.8498		390	a/gm				
S. Magnesium, Total (7439-95-4)	*									The second second				
T. Molybdenum, Total (7439-98-7)		×												
U. Manganese, Total (7439-96-5)	×		9.07				1.0853		78	mg/e				
V. Tin, Total (7440-31-5)		×												
W. Titanium, Total		×												

* Believed present based on other nearby impoundment testing in January 2003, but not tested.

Outrain										-	And the second name of the second	-		-
Linding	2. MA	2. MARK "X"			Э	3. EFFLUENT				D .4	4. UNITS	6. INTA	5. INTAKE (optional)	
1. POLLUTANT AND CAS NUMBER	A.		A. MAXIMUM DAILY VALUE	VALUE	B. MAXIMUM 30 DAY VALUE (If available)	AY VALUE	C. LONG TERM AVRG. VALUE	RG. VALUE	D. NO. 0F	The state of	0	A. LONG TERM AVRG. VALUE		B. NO. OF
(aganapa)	PRESENT	ABSENT	CONCENTRATION (2) MASS		CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION		(1) CONCENTRATION	(2) MASS	ANALYSES
METALS, AND TOTAL PHENOLS	NOLS			1							William I am I am			
1M. Antimony. Total (7440-36-9)	*													
2M. Arsenic, Total (7440-38-2)		×												ST.
3M. Beryllium, Total (7440-41-7)		×												
4M. Cadmium, Total (7440-43-9)		×		W										
5M. Chromium III (16065-83-1)	*													
6M. Chromium VI (18540-29-9)		×												
7M. Copper, Total (7440-50-8)	*													
8M. Lead, Total (7439-92-1)	*													
9M. Mercury, Total (7439-97-6)		×												
10M. Nickel, Total (7440-02-0)	*										1			
11M. Selenium, Total (7782-49-2)	*										1			
12M. Silver, Total (7440-22-4)		×												
13M. Thallium, Total (7440-28-0)	*×													
14M. Zinc, Total (7440-66-6)	*×													
15M. Cyanide, Amenable to Chlorination		×												
16M. Phenols, Total		×												
RADIOACTIVITY														
(1) Alpha Total		×												
(2) Beta Total		×												
(3) Radium Total		×												
(4) Radium 226 Total		×												

Renew

* Believed present based on other nearby impoundment testing in January 2003, but not tested.

Renew FORM C TABLE 1 FOR 3.00 ITEM A AND B

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OUTFALL NO

INTAKE AND EFFLUENT CHARACTERISTICS

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

				2. EFFLUENT	-			3. UNITS (specify if blank)	ecify if blank)	4. IN	4. INTAKE (optional))
1. POLLUTANT	A. MAXIMUM DAILY VALUE	ILY VALUE	B. MAXIMUM 30 DAY VALL	DAY VALUE	C. LONG TERM AVRG. VALUE (if available)	VRG. VALUE	D. NO. OF	A. CONCEN-		A. LONG TERM AVRG. VALUE	RG. VALUE	B. NO. OF
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	B. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
A. Biochemical Oxygen Demand (BOD)	<2.0				<2.0		2	mg/e				
B. Chemical Oxygen Demand (COD)	<10.0				<10.0		2	mg/e				
C. Total organic Carbon (TOC)	5.9				4.9		2	J/Bm				
D. Total Suspended Solids (TSS)	216				10.3		282	J/Bm				
E. Ammonia (as N)	<0.1				<0.1		2	J/Bm				
F. Flow	VALUE VALUE Precipitation Dependent	Depende	vatue		VALUE					VALUE		
G. Temperature (winter)	VALUE		VALUE		VALUE		82	6.5	Ç	VALUE		
H. Temperature (summer)	VALUE		VALUE		VALUE		92	28.7 °C	Ç	VALUE		
I. pH	MINIMUM R	MAXIMUM 8.82	MINIMUM	MAXIMUM			346	STANDAR	STANDARD UNITS			

pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

	2. MA	2. MARK "X"		3. EFFLUENT	JENT		4. UNITS	ITS	5. INTAKE (optional)	(IE
1. POLLUTANT AND CAS NUMBER	a i	gai s	A. MAXIMUM DAILY VALUE	B. MAXIMUM 30 DAY VAI	B. MAXIMUM 30 DAY VALUE C. LONG TERM AVRG. VALUE (if available)	-	D. NO. OF A. CONCEN-	0	A. LONG TERM AVRG. VALUE	10000
(ii available)	PRESENT	PRESENT ABSENT	CONCENTRATION (2) MASS	(1) (2) M.	CONCENTRATION (2) MASS CONCENTRATION (2) MASS CONCENTRATION (2) MASS	SS	TRATION		CONCENTRATION (2) MASS ANA	ANALYSES
CONTRACTOR OF THE CONTRACTOR O	OF THE PERSON	00 1410								

CONVENTIONAL AND NONCONVENTIONAL POLLUTANTS

A. Bromide (24959-67-9)	×					
B. Chlorine, Total Residual	×					
C. Color	×					
D. Fecal Coliform	×				-0	
E. Fluoride (16984-48-8)	×					
F. Nitrate - Nitrate (as N)	×					
MO 780-1514 (06-13)						

MO 780-1514 (05-13) < = ND-Not Detected at or above adjusted reporting limit + reporting limit</p>

* Believed present based on other nearby impoundment testing in January 2003, but not tested. Note: Some results include Land Reclamation Program required sampling.

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No.

	2. MAF	2. MARK "X"			3. E	3. EFFLUENT				4. UNITS		5. INT	5. INTAKE (optional)	
1. POLLUTANT AND CAS NUMBER	ď		A. MAXIMUM DAILY VALUE	YVALUE	B. MAXIMUM 30 DAY VALUE (if available)	AY VALUE	C. LONG TERM AVRG. VALUE		D. NO. OF	A. CONCEN-	30711	A. LONG TERM AVRG. VALUE	100	B. NO. OF
(if available)	PRESENT	ABSENT	CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	D. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
G. Nitrogen, Total Organic (as N)		×												
H, Oil and Grease		×												
. Phosphorus (as P), Total (7723-14-0)		×		The state of the s									in the	
J. Sulfate (as SO ⁴) (14808-79-8)	×		1120				708.8		83	mg/e			a Th	7-
K. Sulfide (as S)		×												-
Sulfite (as SO³) 14265-45-3)		×												
M. Surfactants		×												
N. Aluminum, Total (7429-90-5)	*													
O. Barium, Total (7440-39-3)	*		1000											
P. Boron, Total (7440-42-8)	*													
Q. Cobalt, Total (7440-48-4)		×												
R. Iron, Total (7439-89-6)	×		161.0				1.3203		278	mg/e				
S. Magnesium, Total (7439-95-4)	*													
T. Molybdenum, Total (7439-98-7)		×										7		
U. Manganese, Total (7439-96-5)	×		0.653				0.1857		90	mg/e				
V. Tin, Total (7440-31-5)		×												
W. Titanium, Total		×												

* Believed present based on other nearby impoundment testing in January 2003, but not tested.

	TS	2000	
	4. UNITS	D. NO. OF A. CONCEN-	ANALYSES TRATION
		D. NO. OF	ANALYSES
		RG. VALUE	(2) MASS
		A. MAXIMUM DAILY VALUE B. MAXIMUM 30 DAY VALUE (If available) (If available)	(1) (2) MASS CONCENTRATION (2) MASS CONCENTRATION (2) MASS
0	3. EFFLUENT	AY VALUE	(2) MASS
	3.	B. MAXIMUM 30 DAY (if available)	(1) CONCENTRATION
		Y VALUE	(2) MASS
		A. MAXIMUM DAIL	(1) CONCENTRATION
	MARK "X"	EVED BELEVED	SENT ABSENT
	MAR.	i.	SENT

Conception Con		2. MA	2. MARK "X"			3. E	EFFLUENT				4. UNITS	NITS	6. INT	6. INTAKE (optional)	
Mark Process Process	AND CAS NUMBER	ď			Y VALUE	B. MAXIMUM 30 Dy	AY VALUE	C. LONG TERM AVI	RG. VALUE	D. NO. OF	A. CONCEN-		A. LONG TERM AN	VRG. VALUE	
X	(ii avaliable)	PRESENT		(1) CONCENTRATION		(1) CONCENTRATION	(2) MASS	CONCENTRATION	(2) MASS	ANALYSES	TRATION	-	(1) CONCENTRATION		ANALYSES
x x x x x x x x x x x x x x x x x x x	METALS, AND TOTAL PHE	NOLS													
	1M. Antimony. Total (7440-36-9)	×													
	2M. Arsenic, Total (7440-38-2)		×												6, 1
	3M. Beryllium, Total (7440-41-7)		×												
	4M. Cadmium, Total (7440-43-9)		×												
	5M. Chromium III (16065-83-1)	*													
	6M. Chromium VI (18540-29-9)		×												
		*×													
Tell (a) X*	8M. Lead, Total (7439-92-1)	*													
Seal	9M. Mercury, Total (7439-97-6)		×									29			
X* X* X* X* X* X* X* X*	10M. Nickel, Total (7440-02-0)	*													
Cal X* X* X* X* X* X* X* X	11M. Selenium, Total (7782-49-2)	*													
A	12M. Silver, Total (7440-22-4)		×												
X	13M. Thallium, Total (7440-28-0)	*													
X	14M. Zinc, Total (7440-66-6)	*				And and an array of the state o									
X	15M. Cyanide, Amenable to Chlorination		×												
× × × × x island	16M. Phenols, Total		×											1	
× × × ×	RADIOACTIVITY														
× × ×	(1) Alpha Total		×												
X X	2) Beta Total		×												
otal X	(3) Radium Total		×												
	4) Radium 226 Total		×									-			

^{*} Believed present based on other nearby impoundment testing in January 2003, but not tested.

FORM C
TABLE 1 FOR 3.00 ITEM A AND B

OUTFALL NO.

18/2016

PARTA - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.	he results of	at least o.	ine analysis	tor every pollutan	t in this table. Con	nplete one tat	ole for each outfall.	See Instructi	ons for additio	nai details.				100 mm
					2. EFFLUENT					3. UNITS (specify if blank)	if blank)	4. INTA	4. INTAKE (optional)	
1. POLLUTANT	A. MAXII	A. MAXIMUM DAILY VALUE	Y VALUE	B. MAXIMUM:	B. MAXIMUM 30 DAY VALUE (If available)	C. LONG	C. LONG TERM AVRG. VALUE (If available)					A. LONG TERM AVRG. VALUE		B. NO. OF
	(1) CONCENTRATION	RATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	TION (2) MASS		ANALYSES	TRATION	B. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
A. Biochemical Oxygen Demand (BOD)														
B. Chemical Oxygen Demand (COD)	-		The state of the s											
C. Total organic Carbon (TOC)														
D. Total Suspended Solids (TSS)														
E. Ammonia (as N)														
F. Flow	VALUE			VALUE		VALUE					A>	VALUE		
G. Temperature (winter)	VALUE			VALUE		VALUE				o,	V	VALUE		
H. Temperature (summer)	VALUE			VALUE		VALUE		231		ပံ	Α>	VALUE		
Hd :	MINIMUM	MA	MAXIMUM	MINIMUM	MAXIMUM					STANDARD UNITS	ST			
PART B - Mark X' in column 2A for each pollutant you know or heve reason to believe is present. Mark X' in column 2B for each pollutant you believe to be absent. If you mark column 2A for any pollutant, you must provide the results for at least one analysis for that pollutant. Compiete one table for each outfail. See the instructions for additional details and requirements.	r each poliutan ach outfall. Se	t you know	v or have reas	son to believe is presi ditional details and re	ent. Mark "X" in colun quirements.	nn 2B for each	pollutant you believe to	be absent. If	you mark colum	n 2A for any pollutar	nt, you must prov	ide the results for at I	least one analys	sis for that
	2. MARK "X"	K "X"			3.	3. EFFLUENT				4. UNITS	NITS	S. IN	5. INTAKE (optional)	0
1. POLLUTANT AND CAS NUMBER		mi		A. MAXIMUM DAILY VALUE	B. MAXIMUM 30 DAY VALUE (if available)	DAY VALUE	C. LONG TERM AVRG. VALUE	VRG. VALUE	D. NO. OF	A. CONCEN-	0	A. LONG TERM AVRG. VALUE	AVRG. VALUE	
(if available)	PRESENT	ABSENT		CONCENTRATION (2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	200	CONCENTRATION (2) MASS	(2) MASS	ANALYSES

Outfall 007 was mined thru and reclaimed December 2012. All water shed flows thru Outfall 015. F. Nitrate - Nitrate (as N) MO 780-1514 (06-13)

B. Chlorine, Total Residual

A. Bromide (24959-67-9) D. Fecal Coliform
E. Fluoride
(16984-48-8)

C. Color

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Renew	

Outlean	Water and the same	W-57-01-10-0	THE REAL PROPERTY OF)								
	2. MAR	MARK "X"			3. 1	3. EFFLUENT				4. UNITS	VITS	5. INT,	5. INTAKE (optional)	
1. POLLUTANT AND CAS NUMBER		cá	A. MAXIMUM DAILY VALUE	Y VALUE	B. MAXIMUM 30 DAY VALUE	NAY VALUE	C. LONG TERM AVRG. VALUE (if available)		D. NO. OF	A. CONCEN-	200	A. LONG TERM AVRG. VALUE	VRG. VALUE	B. NO. OF
(if available)	PRESENT	ABSENT	(1) (2) MASS	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION		(1) CONCENTRATION	(2) MASS	ANALYSES
G. Nitrogen, Total Organic (as N)														
H. Oil and Grease														
l. Phosphorus (as P), Total (7723-14-0)														
J. Sulfate (as SO ⁴) (14808-79-8)												巨力		
K. Sulfide (as S)														
L. Sulfite (as SO³) (14265-45-3)														
M. Surfactants														
N. Aluminum, Total (7429-80-5)												in-		
O. Barium, Total (7440-39-3)														
P. Boron, Total (7440-42-8)											1			
O. Cobalt, Total (7440-48-4)														
R. Iron, Total (7439-89-6)										yd. Yd.				
S. Magnesium, Total (7439-95-4)				2000										
7. Molybdenum, Total (7439-98-7)														
U. Manganese, Total (7439-96-5)														
V. Tin, Total (7440-31-5)														
W. Titanium, Total (7440-32-6)														DACE 7
MO 780-1514 (05-13)														100

Outfall 007 was mined thru and reclaimed December 2012. All water shed flows thru Outfall 015.

An Pollutanian A. Maximum Dally Value A. Maximum Dally Value Bellikep Bellikep Concentration (1) Mass METALS, AND TOTAL PHENOLS (1) Mass (1) Maritimony, Total (1440-38-2) (14	ALUE B. MAXIMUM 30 DAY VALUE			4. UNITS	ITS	5. INTA	5. INTAKE (optional)	
otal otal otal otal otal Innenable to Ital		C. LONG TERM AVRG. VALUE	7.0	A. CONCEN-	2	A. LONG TERM AVRG. VALUE		B. NO. OF
METALS, AND TOTAL PHENOLS 1M. Antimony. Total (7440-36-9) 2M. Arsenic, Total (7440-41-7) 3M. Beryllium, Total (7440-43-9) 5M. Chromium III (7440-43-9) 5M. Chromium VI (18540-29-9) 7M. Copper, Total (7440-60-8) 8M. Lead, Total (7440-60-9) 10M. Nickel, Total (7440-02-0) 11M. Selenium, Total (7440-02-4) 13M. Thaillum, Total (7440-02-6) 14M. Zinc, Total (7440-02-6) 15M. Cyanide, Amenable to Chlorination 16M. Phenols, Total (1) Alpha Total	CONCENT	CONCENTRATION (2) MASS	ANALYSES	TRATION	B. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
1M. Antimony, Total (7440-36-9) 2M. Arsenic, Total (7440-41-7) 3M. Beryllium, Total (7440-43-9) 5M. Chromium III (7440-43-9) 5M. Chromium VI (18540-29-9) 7M. Copper, Total (7440-20-9) 7M. Copper, Total (7440-20-9) 7M. Selenium, Total (7440-22-4) 7M. Selenium, Total (7440-22-4) 7M. Selenium, Total (7440-22-4) 7M. M. Selenium, Total (7440-22-4) 7M. Selenium, Total (7440-22-4) 7M. Selenium, Total (7440-22-4) 7M. Selenium, Total (7440-22-4) 7M. Selenium, Total (7440-22-6) 7M. Selenium, Total (7440-22-6) 7M. Selenium, Total (7440-22-6) 7M. Selenium, Total (7440-22-6) 7M. Selenium, Total (7440-22-1) 7M. Selenium, Total								
2M. Arsenic, Total (7440-38-2) 3M. Beryllium, Total (7440-41-7) 4M. Cadmium, Total (7440-41-7) 5M. Chromium III (1605-83-1) 6M. Chromium III (1605-83-1) 6M. Chromium VI (18540-29-9) 7M. Copper, Total (7440-50-8) 5M. Mercury, Total (7439-87-6) 10M. Nickel, Total (7439-87-6) 11M. Selenium, Total (7440-02-0) 11M. Selenium, Total (7440-22-4) 13M. Thailium, Total (7440-28-0) 14M. Zinc, Total (7440-66-6) 15M. Cyanide, Amenable to Chlorination 16M. Phenois, Total								
3M. Beryllum, Total (7440-43-9) 5M. Cadmium, Total (7440-43-9) 5M. Chromium III (16055-83-1) 6M. Chromium VI (18540-29-9) 7M. Copper, Total (7440-50-8) 6M. Mercury, Total (7439-92-1) 6M. Mercury, Total (7439-92-1) 6M. Mercury, Total (7440-02-0) 11M. Selenium, Total (7782-49-2) 13M. Thallium, Total (7782-49-2) 14M. Selenium, Total (7782-49-2) 15M. Openide, Amenable to (7440-28-0)								M.
4M. Cadmium, Total (7440-43-9) 5M. Chromium III (16055-83-1) 6M. Chromium VI (18540-29-9) 7M. Copper, Total (7440-50-8) 8M. Lead, Total (7440-92-0) 7M. Mercury, Total (7439-97-6) 7M. Mercury, Total (7440-92-0) 7M. Selenium, Total (7440-02-0) 7M. Selenium, Total (7440-02-0) 7M. Copper, Total (7440-06-0) 7M. Copper, Total								
5M. Chromium III (16055-83-1) 6M. Chromium VI (18540-29-9) 7M. Copper, Total (7440-50-8) 8M. Lead, Total (7439-92-1) 9M. Mercury, Total (7439-97-6) 10M. Nickel, Total (7439-97-6) 11M. Selenium, Total (7782-49-2) 11M. Selenium, Total (7740-22-4) 13M. Thallium, Total (7740-22-4) 13M. Thallium, Total (7740-66-6) 15M. Cyanide, Amenable to Chlorination 16M. Phenois, Total (7440-66-6) 15M. Cyanide, Amenable to Chlorination 16M. Phenois, Total								
6M. Chromium VI (18540-29-9) 7M. Copper, Total (7440-60-8) 8M. Lead, Total (7439-92-1) 9M. Mercury, Total (7439-92-6) 10M. Nickel, Total (7440-02-0) 11M. Selenium, Total (7740-22-4) 12M. Silver, Total (7740-22-4) 12M. Silver, Total (7740-22-4) 12M. Silver, Total (7740-22-6) 12M. Silver, Total (7740-22-6) 12M. Silver, Total (7740-28-0) 13M. Thaillum, Total (7740-28-0) 14M. Silver, Total (7440-26-6) 16M. Phenols, Total								
7M. Copper, Total (7440-50-8) 8M. Lead, Total (7439-92-1) 9M. Mercury, Total (7439-92-6) 10M. Nickel, Total (7440-02-0) 11M. Selenium, Total (7440-22-4) 13M. Thailium, Total (7440-22-4) 13M. Thailium, Total (7440-28-0) 14M. Zinc, Total (7440-28-0) 16M. Cyanide, Amenable to Chlorination 16M. Phenols, Total (1) Alpha Total			1					
8M. Lead, Total (7439-92-1) 9M. Mercury, Total (7439-97-6) 10M. Nickel, Total (7440-02-0) 11M. Selenium, Total (7440-22-4) 13M. Thallium, Total (7440-28-0) 14M. Zinc, Total (7440-28-0) 16M. Cyanide, Amenable to Chlorination 16M. Phenols, Total (7440-66-6) (7440-66-6) (7440-66-6) (7440-66-6) (7440-66-6) (7440-66-6) (7440-66-6) (7440-66-6) (7440-66-6) (7440-66-6) (7440-66-6) (7440-74-10-10-10-10-10-10-10-10-10-10-10-10-10-								195
9M. Mercury, Total (7439-97-6) 10M. Nickel, Total (7440-02-0) 11M. Selenium, Total (7782-49-2) 12M. Silver, Total (7440-22-4) 13M. Thallium, Total (7440-28-0) 14M. Zinc, Total (7440-66-6) 15M. Cyanide, Amenable to Chlorination 16M. Phenols, Total (1) Alpha Total								
10M. Nickel, Total (7440-02-0) 11M. Selenium, Total (7782-49-2) 12M. Silver, Total (7440-22-4) 13M. Thallium, Total (7440-28-6) 14M. Zinc, Total (7440-66-6) 15M. Cyanide, Amenable to Chlorination 16M. Phenols, Total (1) Alpha Total								
11M. Selenium, Total (7782-49-2) 12M. Silver, Total (7440-22-4) 13M. Thallium, Total (7440-28-0) 14M. Zinc, Total (7440-66-6) 15M. Cyanide, Amenable to Chlorination 16M. Phenols, Total (1) Alpha Total								
12M. Silver, Total (7440-22-4) 13M. Thallium, Total (7440-28-0) 14M. Zinc, Total (7440-66-6) 15M. Cyanide, Amenable to Chlorination 16M. Phenois, Total (740-66-6) (740-66-6) (740-66-6)								
13M. Thallium, Total (7440-28-0) 14M. Zinc, Total (7440-66-6) 15M. Cyanide, Amenable to Chlorination 16M. Phenois, Total RADIOACTIVITY (1) Alpha Total								
14M. Zinc, Total (7440-66-6) 15M. Cyanide, Amenable to Chlorination 16M. Phenois, Total RADIOACTIVITY (1) Alpha Total								
15M. Cyanide, Amenable to Chlorination 16M. Phenois, Total RADIOACTIVITY (1) Alpha Total							1/70	
RADIOACTIVITY (1) Alpha Total								
RADIOACTIVITY (1) Alpha Total								
(1) Alpha Total								
State Total								
(z) Deta Total								
(3) Radium Total								
(4) Radium 226 Total								

Outfall 007 was mined thru and reclaimed December 2012. All water shed flows thru Outfall 015.

18/2016

Renew

FORM C TABLE 1 FOR 3.00 ITEM A AND B

OUTFALL NO 800

INTAKE AND EFFLUENT CHARACTERISTICS

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

				2. EFFLUENT	TV			3. UNITS (specify if blank)	ecify if blank)	4. IN	4. INTAKE (optional)	
1. POLLUTANT	A. MAXIMUM DAILY VALUE	ILY VALUE	B. MAXIMUM 30 DAY VALL (if available)	DAY VALUE	C. LONG TERM AVRG. VALUE (if available)	IVRG. VALUE	NO. OF	A. CONCEN.		A, LONG TERM AVRG. VALUE	/RG. VALUE	NO. OF
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(Z) MASS	ANALYSES	TRATION	B. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
A. Biochemical Oxygen Demand (BOD)	<2.0				<2.0		2	a/6m				
B. Chemical Oxygen Demand (COD)	12.5				11.3		2	mg/e				
C. Total organic Carbon (TOC)	5.8				5.4		2	mg/e				
D. Total Suspended Solids (TSS)	84.0				20.1		136	mg/e				
E. Ammonia (as N)	<0.1				<0.1		2	mg/ℓ				
F. Flow	Precipitation Dependent	Depend	value		VALUE					VALUE		
G. Temperature (winter)	VALUE		VALUE		VALUE	NAME OF STREET	2	7.2 °C	0	VALUE		
H. Temperature (summer)	VALUE		VALUE		VALUE		2	28.6 °C	0	VALUE		
I. pH	MINIMUM M	MAXIMUM 8.83	MINIMUM	MAXIMUM			272	STANDARD UNITS	STINU OF			

PART B - Mark "X" in column 2A for each pollutant you know or have reason to believe is present. Mark "X" in column 2B for each pollutant you believe to be absent. If you mark column 2A for any pollutant, you must provide the results for at least one analysis for that pollutant. See the instructions for additional details and requirements.

	2. MARK "X"	"X" X		3. EFF	3. EFFLUENT			The state of the s	4. UNITS	ITS	5. INTA	5. INTAKE (optional)	
AND CAS NUMBER	A. B.	8.	A. MAXIMUM DAILY VALUE	B. MAXIMUM 30 DAY VALUE C. LONG TERM AVRG. VALUE (if available)	ALUE	C. LONG TERM AVRG	G. VALUE	D. NO. OF	D. NO. OF A. CONCEN-	0	A. LONG TERM AVRG. VALUE	RG. VALUE	B. NO. OF
(ii available)	PRESENT ABSENT	ABSENT	CONCENTRATION (2) MASS CONCENTR	(1) (2)	MASS	TRATION (2) MASS CONCENTRATION (2) MASS	(2) MASS	ANALYSES	TRATION	D. MASS	CONCENTRATION (2) MASS	(2) MASS	ANALYSES

CONVENTIONAL AND NONCONVENTIONAL POLLUTANTS

ALTONOMIC STATE OF THE PARTY OF		 The state of the s	-	-	- de la constante de la consta	-	-	The state of the s		-
A. Bromide (24959-67-9)	×									
B. Chlorine, Total Residual	×									
C. Color	×									
D. Fecal Coliform	×									
E. Fluoride (16984-48-8)	×									
F. Nitrate - Nitrate (as N)	×									
MO 780-1514 (06-13)							-		-	DACER

< = ND-Not Detected at or above adjusted reporting limit + reporting limit * Believed present based on other nearby impoundment testing in January 2003, but not tested. Note: Some results include Land Reclamation Program required sampling.

-	18/2016
	Renew

Selection Sele	3. EFFLUENT	4. UNITS	5. INTAKE (optional)	
Preserve Asserve Ass	-	D. NO. OF A. CONCEN-	A. LONG TERM AVRG. VALUE	B. NO. OF
Organic X	(2) MASS CONCENTRATION	S ANALYSES TRATION B. MASS	CONCENTRATION (2) MASS	ANALYSES
X X X X X X X X X X X X X X X X X X X				
x x x x x x x x x x x x x x x x x x x				
X X X X X X X X X X X X X X X X X X X				
* * * * * * * * * * * * * * * * * * *		44 mg/ <i>l</i>		
* * * * * * * * * * * * * * * * * * *				l l
x x x x x x x x x x x x x x x x x x x				
* * * * * * * * * * * * * * * * * * *				
* * * * * * * * * * * * * * * * * * *				
*				
× × × × × × × × × × × × × × × × × × ×				
x x x x x x x x x x x x x x x x x x x				
*X X X 1.16		133 mg/ <i>l</i>		
tal X X 1.16				
x X X X X X X X X X X X X X X X X X X X				
		25 mg/ <i>l</i>		
(7440-32-6) X				

* Believed present based on other nearby impoundment testing in January 2003, but not tested.

1	Outfair 208		-										1
A		2. MA	RK "X"		3. EF	FLUENT			4. UN	ITS	5. INT	AKE (optional)	
	1. POLLUTANT AND CAS NUMBER	Ą		 Y VALUE	B. MAXIMUM 30 DAY (if available)	VALUE	C. LONG TERM AVRG. (if available)		CONCEN-	0000	A. LONG TERM AV		B. NO. OF
Total Pierous A X X X X X X X X X X X X X X X X X X	(Bigging)	PRESENT			-	2) MASS			TRATION	OCT III	(1) CONCENTRATION	(2) MASS	ANALYSES
	METALS, AND TOTAL PHEN	NOLS											
	1M. Antimony, Total (7440-36-9)	×											
S	2M. Arsenic, Total (7440-38-2)		×										
	3M. Beryllium, Total (7440-41-7)		×										
	4M. Cadmium, Total (7440-43-9)		×										
	5M. Chromium III (16065-83-1)	×				TR.							
	6M. Chromium VI (18540-29-9)		×										
	7M. Copper, Total (7440-50-8)	*											
	8M. Lead, Total (7439-92-1)	×											
X* X* X* X* X* X* X* X*	9M. Mercury, Total (7439-97-6)		×										
tal X*	10M. Nickel, Total (7440-02-0)	*											
Tail X* X*	11M. Selenium, Total (7782-49-2)	*											
Table to X	12M. Silver, Total (7440-22-4)		×										
Name	13M. Thallium, Total (7440-28-0)	*											
X	14M. Zinc, Total (7440-66-6)	*											
X	15M. Cyanide, Amenable to Chlorination		×										
× × × × lead	16M. Phenols, Total		×										
	RADIOACTIVITY												
× × ×	(1) Alpha Total		×										
tata ×	(2) Beta Total		×										
otal X	(3) Radium Total		×										
	(4) Radium 226 Total		×										

* Believed present based on other nearby impoundment testing in January 2003, but not tested.

INTAKE AND EFFLUENT CHARACTERISTICS

OUTFALL NO. 600

18/2016

Renew FORM C TABLE 1 FOR 3.00 ITEM A AND B

				2. EFFLUENT				3. UNITS (s	3. UNITS (specify if blank)	4. IN	4. INTAKE (optional)	
1. POLLUTANT	A. MAXIMUM DAILY VALUE	DAILY VALUE	B. MAXIMUM 30 DAY VALUE (if available)	O DAY VALUE	C. LONG TERM AVRG. VALUE (if available)	VRG. VALUE	NO. OF	A. CONCEN-		A. LONG TERM AVRG. VALUE	RG. VALUE	B. NO. OF
	(1) CONCENTRATION	ON (2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	B. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
A. Biochemical Oxygen Demand (BOD)												
B. Chemical Oxygen Demand (COD)	p											A
C. Total organic Carbon (TOC)												
D. Total Suspended Solids (TSS)	13.0				9.75		4	a/gm				
E. Ammonia (as N)												
F. Flow	VALUE VALUE VALUE VALUE	on Depend	VALUE		VALUE					VALUE		
G. Temperature (winter)	VALUE		VALUE		VALUE		5	7.5	o,	VALUE		
H. Temperature (summer)	VALUE		VALUE		VALUE			27.7	ů	VALUE		
Hq. I	MINIMUM 7.16	MAXIMUM 8.96	MINIMUM	MAXIMUM			18	STANDA	STANDARD UNITS			
PART B = Mark X in column 2A for each pollutant, you know or have reason to beleve is present. Mark X" in column 2B for each pollutant you believe to be absent. If you mark column 2A for any pollutant, you must provide the results for at least one analysis for that pollutant. See the instructions for additional details and requirements.	or each pollutant you had be not be seen outfall. See the in	know or have rea	son to believe is prese ditional details and rec	ent. Mark "X" in co quirements.	ulumn 2B for each pollutani	t you believe to be	absent. If you mark	column 2A for any	pollutant, you musi	provide the results for a	at least one ana	lysis for that
	"X" 70 VIII				2 CECHICNIT				A LINITS	4	S INTAKE (notional)	(/60

	2. MARK "X"	"X")			3.	3. EFFLUENT				4. UNITS	TS	S. INTA	5. INTAKE (optional)	
1. POLLUTANT AND CAS NUMBER	A .	m)	A. MAXIMUM DAILY VALUE	YVALUE	B. MAXIMUM 30 DAY	A 30 DAY VALUE	B. MAXIMUM 30 DAY VALUE C. LONG TERM AVRG. VALUE (if available)	RG. VALUE	D. NO. OF		0	A. LONG TERM AVRG. VALUE	RG. VALUE	B. NO. OF
(ii available)	PRESENT ABSENT	122	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	CONCENTRATION (2) MASS CONCENTRATION (2) MASS CONCENTRATION (2) MASS	(2) MASS	ANALYSES	TRATION		CONCENTRATION (2) MASS ANY	(2) MASS	ANALYSES

A. Bromide (24959-67-9)	×			327					
B. Chlorine, Total Residual	×								
C. Color	×								
D. Fecal Coliform	×								
E. Fluoride (16984-48-8)	×								V_1
F. Nitrate - Nitrate (as N)	×								
10x 20x 20x 20x 20x 20x 20x 20x 20x 20x 2	- Parameter of		The second secon		-	-		9	DACER

* Believed present based on other nearby impoundment testing in January 2003, but not tested.

Note: Some results include Land Reclamation Program required sampling.

	2. MARK "X"	3K "X"			3. E	3. EFFLUENT				4. UNITS	S	FNI .6	5. INTAKE (optional)	
AND CAS NUMBER	ď	có	A. MAXIMUM DAILY VALUE	Y VALUE	B. MAXIMUM 30 DAY VALUE (If available)	AY VALUE	C. LONG TERM AVRG. VALUE	1	D. NO. OF	A. CONCEN-	0	A. LONG TERM AVRG. VALUE		B. NO. OF
(ii avalidole)	PRESENT	ABSENT	(1) CONCENTRATION	(2) MASS	CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	D. MIAGO	(1) CONCENTRATION	(2) MASS	ANALYSES
G. Nitrogen, Total Organic (as N)		×												
H. Oil and Grease		×												
i. Phosphorus (as P), Total (7723-14-0)		×												-/-
J. Sulfate (as SO³) (14808-79-8)	×		9.9				4.5		4	mg/e				
K. Sulfide (as S)		×												
L. Sulfite (as SO³) (14265-45-3)		×												
M. Surfactants		×												
N. Aluminum, Total (7429-90-5)	*													
O. Barium, Total (7440-39-3)	*					e: ==				X				
P. Boron, Total (7440-42-8)	*													
Q. Cobalt, Total (7440-48-4)		×												
R. Iron, Total (7439-89-6)	×		3.82				1.59		4	mg/e				
S. Magnesium, Total (7439-95-4)	*													
T. Molybdenum, Total (7439-98-7)		×												
U. Manganese, Total (7439-96-5)	×		0.24				0.113		က	mg/e				
V. Tin, Total (7440-31-5)		×												
W. Titanium, Total		×												

* Believed present based on other nearby impoundment testing in January 2003, but not tested.

	2. MA	2. MARK "X"			3. 8	3. EFFLUENT				4. UNITS	NITS	5. INTA	5. INTAKE (optional)	
1. POLLUTANT AND CAS NUMBER (if available)	A.		A. MAXIMUM DAILY VALUE	VALUE	B. MAXIMUM 30 DAY VALUE (If available)	AY VALUE	C. LONG TERM AVRG. VALUE	RG. VALUE	D. NO. 0F	A. CONCEN-	0	A. LONG TERM AVRG. VALUE		B. NO. OF
	PRESENT	ABSENT	CONCENTRATION (2) MASS		CONCENTRATION	(2) MASS	CONCENTRATION	(2) MASS	ANALYSES	TRATION	G. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
METALS, AND TOTAL PHENOLS	OLS													
1M. Antimony, Total (7440-36-9)	*													
2M. Arsenic, Total (7440-38-2)		×												
3M. Beryllium, Total (7440-41-7)		×												
4M. Cadmium, Total (7440-43-9)		×												
5M. Chromium III (16065-83-1)	*						447							
6M. Chromium VI (18540-29-9)		×												
7M, copper, Total (7440-50-8)	*													
8M. Lead, Total (7439-92-1)	*													
9M. Mercury, Total (7439-97-6)		×								,				
10M. Nickel, Total (7440-02-0)	*													
11M. Selenium, Total (7782-43-2)	*													
12M. Silver, Total (7440-22-4)		×												
13M. Thallium, Total (7440-28-0)	*×						5	-3						
14M. Zinc, Total (7440-66-6)	*	1												
15M. Cyanide, Amenable to Chlorination		×												
16M. Phenols, Total		×												
RADIOACTIVITY														
(1) Alpha Total		×												
(2) Beta Total		×												
(3) Radium Total		×												
A Badina 226 Total		>												

* Believed present based on other nearby impoundment testing in January 2003, but not tested.

Renew FORM C TABLE 1 FOR 3.00 ITEM A AND B

OUTFALL NO

18/2016

ART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.	he results of at lear	st one analys	sis for every pollutant	in this table. Co	omplete one table for e	each outfall. Se	e instructions for a	additional details.				
				2. EFFLUENT	-			3. UNITS (specify if blank)	ecify if blank)	LNI .4	4. INTAKE (optional)	
1. POLLUTANT	A. MAXIMUM DAILY VALUE	DAILY VALUE	B. MAXIMUM 30 DAY VALUE (if evailable)	to DAY VALUE	C. LONG TERM AVRG. VALUE (if available)	VRG. VALUE	D NO OF	A. CONCEN.		A. LONG TERM AVRG. VALUE	RG. VALUE	B. NO. OF
	(1) CONCENTRATION	ON (2) MASS	S CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	B. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
A. Biochemical Oxygen Demand (BOD)												
3. Chemical Oxygen Demand COD)		7 30 72										
2. Total organic Carbon TOC)												
). Total Suspended Solids TSS)									100			
Ammonia as N)	7											
. Flow	VALUE		VALUE		VALUE					VALUE		
s. Temperature winter)	VALUE		VALUE		VALUE	67		0	ာ့	VALUE		
. Temperature (summer)	VALUE		VALUE		VALUE			0	သ့	VALUE		
Hd	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM				STANDAR	STANDARD UNITS			
The same of the sa	THE R. P. LEWIS CO., LANSING, MICH. 400, London, Str. Bearing, Str. Bear		The same of the sa	-			The same of the sa	The state of the s		- VIII		

PART B - Mark *X" in column 2A for each pollutant you know or have reason to believe is present. Mark *X" in column 2B for each pollutant you believe to be absent. If you mark column 2A for any pollutant, you must provide the results for at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

	2. MARK "X"	"X" XI	The second second		3.	3. EFFLUENT			Art	4. UNITS	IITS	S. INTA	5. INTAKE (optional)	
T ER		eo S	A. MAXIMUM DAILY VALUE	Y VALUE	B. MAXIMUM 30 DAY VALUE (if available)	AY VALUE	C. LONG TERM AVRG. VALUE	RG. VALUE	D. NO. OF	A. CONCEN-	9	A. LONG TERM AVRG. VALUE	RG. VALUE	B. NO. OF
(if available)	PRESENT	ABSENT	(1) CONCENTRATION	(2) MASS	(1) (2) MASS CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	D. M.ASS	(1) CONCENTRATION (2) MASS	(2) MASS	ANALYSES
CONVENTIONAL AND NONCONVENTIONAL POLLUTANTS	NVENTIO	NAL POL	LUTANTS											
A. Bromide (24959-67-9)														
B. Chlorine, Total Residual							September 1997							
C. Color														
D. Fecal Coliform														
E. Fluoride (16984-48-8)														
F. Nitrate - Nitrate (as N)														
MO 780-1514 (06-13)				-										PAGE 6

Outfall 010 flows thru Outfall 015.

Nodo			
Dep	4		ž
		1	0
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2	Oddie)								
A		2. MA	RK "X"		e.	FFLUENT				4. UNI	ITS	S. INTA	(KE (optional)	
Part	1. POLLUTANT AND CAS NUMBER	ď	roi .	LY VALUE	B. MAXIMUM 30 D	AY VALUE	C. LONG TERM AV		D. NO. OF	A. CONCEN-	0	A. LONG TERM AV	201	B. NO. OF
Organic Orga	(ir available)	PRESENT	ABSENT	(2) MASS	CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	D. 3723	(1) CONCENTRATION		ANALYSES
F.P. Total In the control of the co	G. Nitrogen, Total Organic													
P. Tolel	H. Oil and Grease													
	I. Phosphorus (as P), Total (7723-14-0)													
	J. Sulfate (as SO ⁴) (14808-79-8)													
	K. Sulfide (as S)													
	L. Sulfite (as SO³) (14265-45-3)													
	M. Surfactants													
Ordal Ordal Internal ordal	N. Aluminum, Total (7429-90-5)													
ital cotal time to the cotal time time to the cotal time time time time time time time time	O. Barium, Total (7440-39-3)				Tal Co									
tal otal	P. Boron, Total (7440-42-8)													
(a) (a) (b) (c) (c) <td>Q. Cobalt, Total (7440-48-4)</td> <td></td>	Q. Cobalt, Total (7440-48-4)													
ical city of tall	R. Iron, Total (7439-89-6)	,												
teal teal teal teal teal teal teal teal	S. Magnesium, Total (7439-85-4)													
	T. Molybdenum, Total (7439-98-7)													
	U. Manganese, Total (7439-96-5)													
	V. Tin, Total (7440-31-5)													
	W. Titanium, Total (7440-32-6)													

Outfall 010 flows thru Outfall 015.

Propertionary Propertionar		2. MARK "X"	.x.			3. E	3. EFFLUENT				4. UNITS	NITS	5. INT.	5. INTAKE (optional)	
	1. POLLUTANT AND CAS NUMBER	A.	83		Y VALUE	B. MAXIMUM 30 D	AY VALUE	C. LONG TERM AV	RG. VALUE	D. NO. OF	A. CONCEN-		A. LONG TERM AN	VRG. VALUE	B. NO. OF
OTAL PHENOLS (a) (a) (a) (a) (b) (a) (b) (c) (d) (d) (d)	(aldalana)	PRESENT		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION		(1) CONCENTRATION		ANALYSES
tal tal tal (enable to	METALS, AND TOTAL PHE	NOLS													
tal tal tal tal tal tal tal tal	1M. Antimony, Total (7440-36-9)														
tal In tal	2M. Arsenic, Total (7440-38-2)														
tal tal tal Y tal tal	3M. Beryllium, Total (7440-41-7)														
tal Y tal	4M. Cadmium, Total (7440-43-9)														
able to	5M. Chromium III (16065-83-1)										100				
tal Tal Tal A Tal Tal Tal Tal Tal	6M. Chromium VI (18540-29-9)												-0		
tal Tal Tal A Tal Tal Tal Tal Tal	7M. Copper, Total (7440-50-8)														
tal renable to renable to renable to	8M. Lead, Total (7439-92-1)														
tal tal Y	9M. Mercury, Total (7439-97-6)														
tal tal renable to A Y	10M. Nickel, Total (7440-02-0)														
tal	11M. Selenium, Total (7782-49-2)			1124											
ral enable to Y	12M. Silver, Total (7440-22-4)														
14M. Zinc, Total (7440-66-6) 15M. Cyanide, Amenable to Chlorination 15M. Cyanide, Amenable to Chlorination 15M. Cyanide, Amenable to Chlorination 15M. Dyanide, Amenable to Chlorination 16M. Plantide 15M. Dyanide, Amenable to Chlorination 15M. Dyanide, Amenable to Chlorination (2) Beta Total (3) Radium Total (4) Radium Z26 Total (5) Radium Z26 Total	13M. Thallium, Total (7440-28-0)						220			35					
15M. Cyanide, Amenable to Chlorination 16M. Phenols, Total RADIOACTIVITY (1) Alpha Total (2) Beta Total (3) Radium Total (4) Radium 226 Total	14M. Zinc, Total (7440-66-6)								3						
16M. Phenols, Total RADIOACTIVITY (1) Alpha Total (2) Beta Total (3) Radium Total (4) Radium Z26 Total	15M. Cyanide, Amenable to Chlorination														
(1) Alpha Total (2) Beta Total (3) Radium Total (4) Radium 226 Total	16M. Phenois, Total														
(1) Alpha Total (2) Beta Total (2) Beta Total (3) Radium Total (4) Radium 226 Total (4) Radium 226 Total	RADIOACTIVITY														
(2) Beta Total (3) Radium Total (4) Radium 226 Total (4) Radium 226 Total	(1) Alpha Total														
(3) Radium Total (4) Radium 226 Total	(2) Beta Total														
(4) Radium 226 Total	(3) Radium Total														
	(4) Radium 226 Total														

Outfall 010 flows thru Outfall 015.

FORM C TABLE 1 FOR 3.00 ITEM A AND B OUTFALL NO.

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Renew

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INTAKE AND EFFLUENT CHARACTERISTICS

Author A					2. EFFLUENT	-			3. UNITS (specify if blank)	ecify if blank)	4. IN	4. INTAKE (optional)	
CONCENTRATION C2) MASS CONCENTRATION C3) MASS CANCENTRATION C3) MASS C3) MASS CANCENTRATION C3) MASS CANCENTRATION C3) MASS	1. POLLUTANT	A. MAXIMUM D.	AILY VALUE	B. MAXIMUM 30	DAY VALUE	C. LONG TERM A	VRG. VALUE	D. NO. OF	A. CONCEN-		A. LONG TERM A	VRG. VALUE	B. NO. OF
Participation Participate Participate		(1) CONCENTRATION		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(Z) MASS	ANALYSES	TRATION	B. MASS	(1) CONCENTRATION		ANALYSES
rgen Demand rgen Demand 11.95 19 mg/lc Carbon 44.0 11.95 19 mg/lc ded Solids 44.0 mg/lc 10.0 10.0 VALUE VALUE VALUE VALUE 10.0 10.0 (summer) VALUE VALUE VALUE 27.4 °C (summer) VALUE VALUE VALUE STANDARD UNITS	A. Biochemical Oxygen Demand (BOD)												
Carbon 44.0 11.95 19 mg/e ded Solids 44.0 11.95 19 mg/e VALUE VALUE VALUE VALUE 10.0 °C Summer) VALUE VALUE 10.0 °C (summer) VALUE VALUE 10.0 °C MINIMUM MAXIMUM MAXIMUM MAXIMUM MINIMUM MAXIMUM MAXIMUM MAXIMUM	B. Chemical Oxygen Demand (COD)												
ded Solids 44.0 11.95 19 mg/f mg/f mg/f mg/f VALUE Precipitation Dependent value VALUE value value 10.0 °C 10.0 °C (summer) value VALUE value VALUE value 10.0 °C 27.4 °C (summer) value VALUE value VALUE value 27.4 °C 7.74 8.82 MINIMUM MAXIMUM MAXIMUM MAXIMUM MAXIMUM MAXIMUM MAXIMUM MAXIMUM VALUE AXIMUM MAXIMUM VALUE 32 STANDARD UNITS	C. Total organic Carbon (TOC)												
VALUE VALUE VALUE VALUE VALUE 10.0 °C VALUE VALUE VALUE 10.0 °C (summer) VALUE VALUE 27.4 °C MINIMUM MAXIMUM MAXIMUM <td>D. Total Suspended Solids (TSS)</td> <td>44.0</td> <td></td> <td></td> <td></td> <td>11.95</td> <td></td> <td>19</td> <td>a/6m</td> <td></td> <td></td> <td></td> <td></td>	D. Total Suspended Solids (TSS)	44.0				11.95		19	a/6m				
VALUE VALUE VALUE VALUE 10.0 °C VALUE VALUE 10.0 °C (summer) VALUE VALUE 27.4 °C MINIMUM MAXIMUM MAXIMUM MAXIMUM MAXIMUM MAXIMUM AXTA 8.82 STANDARD UNITS	E. Ammonia (as N)												
VALUE VALUE VALUE 10.0 °C (summer) VALUE VALUE 27.4 °C MINIMUM MAXIMUM MAXIMUM MAXIMUM MAXIMUM STANDARD UNITS	F. Flow	Precipitation	n Depend	value		VALUE					VALUE		
Imperature (summer) VALUE VALUE 27.4 °C MINIMUM MAXIMUM MINIMUM MAXIMUM MAXIMUM STANDARD UNITS	G. Temperature (winter)	VALUE		VALUE		VALUE			10.0 %		VALUE		
MINIMUM MAXIMUM MINIMUM MAXIMUM 32	H. Temperature (summer)	VALUE		VALUE		VALUE					VALUE		
	l. pH		MAXIMUM 8.82		MAXIMUM			32	STANDAR	D UNITS			

PART B - Mark "X" in column 2A for each pollutant you know or have reason to believe is present. Mark "X" in column 2B for each pollutant you believe to be absent. If you mark column 2A for any pollutant, you must provide the results for at least one analysis for that pollutant. See the instructions for additional details and requirements.

(le		ANALYSES
5. INTAKE (optional)	RG. VALUE	(2) MASS
5. INTA	A. LONG TERM AVRG. VALUE	CONCENTRATION (2) MASS ANA
NTS	a a	
4. UNITS	D. NO. OF A. CONCEN-	TRATION
	D. NO. OF	ANALYSES
	G. VALUE	(2) MASS
	B. MAXIMUM 30 DAY VALUE C. LONG TERM AVRG. VALUE (if available)	ON (2) MASS CONCENTRATION (2
3. EFFLUENT	AY VALUE	(2) MASS
3.	B. MAXIMUM 30 DAY	CONCENTRATION (2) MASS CONCENTRATION (1)
	Y VALUE	(2) MASS
	A. MAXIMUM DAILY VALUE	(1) CONCENTRATION
2. MARK "X"	B.	PRESENT ABSENT
2. MA	A.	PRESENT
	1. POLLUTANT AND CAS NUMBER	(il dvallable)

CONVENTIONAL AND NONCONVENTIONAL POLLUTANTS

A. Bromide (24959-67-9)	×					
B. Chlorine, Total Residual	×					
C. Color	×					
D. Fecal Coliform	×					
E. Fluoride (16984-48-8)	×					
F. Nitrate - Nitrate (as N)	×					
MO 780.1514 (06.13)						PAGES

* Believed present based on other nearby impoundment testing in January 2003, but not tested.

Note: Some results include Land Reclamation Program required sampling.

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Renew	

												-		
	2. MAR	MARK "X"			П	3. EFFLUENT				4. UNITS	S	5. INT	5. INTAKE (optional)	
1. POLLUTANT AND CAS NUMBER			A. MAXIMUM DAILY VALUE	VALUE	B. MAXIMUM 30 DAY VALUE (if available)	AY VALUE	C. LONG TERM AVRG. VALUE		D. NO. 0F	A. CONCEN-	M M	A. LONG TERM AVRG. VALUE	VRG. VALUE	B. NO. OF
(pipulpa u)	PRESENT	ABSENT	(1) CONCENTRATION ((2) MASS	CONCENTRATION	(2) MASS	CONCENTRATION	(2) MASS	ANALYSES	TRATION	200	(1) CONCENTRATION	(2) MASS	ANALYSES
G. Nitrogen, Total Organic (as N)		×												
H. Oil and Grease		×												
I. Phosphorus (as P), Total (7723-14-0)		×												
J. Sulfate (as SO ⁴) (14808-79-8)	×		91.5				74.9		ဖ	mg/e				
K. Sulfide (as S)		×												
L. Sulfite (as SO ³) (14265-45-3)		×												
M. Surfactants		×										AR.		
N. Aluminum, Total (7429-90-5)	*													
O. Barium, Total (7440-39-3)	*													
P. Boron, Total (7440-42-8)	*													
Q. Cobalt, Total (7440-48-4)		×												
R. Iron, Total (7439-89-6)	×		2.13		315		0.671		19	mg/e				
S. Magnesium, Total (7439-95-4)	*×													
T. Molybdenum, Total (7439-98-7)		×					100							
U. Manganese, Total (7439-96-5)	×		0.05				0.036		9	mg/e		1		
V. Tin, Total (7440-31-5)		×												
W. Titanium, Total (7440-32-6)		×												

* Believed present based on other nearby impoundment testing in January 2003, but not tested.

	2. MAF	2. MARK "X"			3.	3. EFFLUENT				4. UNITS	VITS	FNI .8	5. INTAKE (optional)	
1. POLLUTANT AND CAS NUMBER			A. MAXIMUM DAILY VALUE	VALUE	B. MAXIMUM 30 DAY VALUE	AY VALUE	C. LONG TERM AVRG. VALUE	RG. VALUE	0	NE CHOO		A. LONG TERM AVRG. VALUE		. 0
(if available)	PRESENT	BELIEVED	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	B. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
METALS, AND TOTAL PHENOLS	STO													
1M. Antimony. Total (7440-36-9)	*													
2M. Arsenic, Total (7440-38-2)		×												
3M. Beryllium, Total (7440-41-7)		×												
4M. Cadmium, Total (7440-43-9)		×												
5M. Chromium III (16065-83-1)	*													
6M. Chromium VI (18540-29-9)		×						7,4						
7M. Copper, Total (7440-50-8)	**												4	
8M. Lead, Total (7439-92-1)	×													
9M. Mercury, Total (7439-97-6)		×												
10M. Nickel, Total (7440-02-0)	*×										<u> </u>			
11M. Selenium, Total (7782-49-2)	*													
12M. Silver, Total (7440-22-4)		×												
13M. Thallium, Total (7440-28-0)	×													
14M. Zinc, Total (7440-66-6)	×													
15M. Cyanide, Amenable to Chlorination		×												
16M. Phenois, Total		×												
RADIOACTIVITY														
(1) Alpha Total		×												
(2) Beta Total		×												
(3) Radium Total		×									148			
		>												

* Believed present based on other nearby impoundment testing in January 2003, but not tested.

FORM C TABLE 1 FOR 3.00 ITEM A AND B

18/2016

Renew

										0	OUTFALL NO.	•
INTAKE AND EFFLUENT CHARACTERISTICS	NI CHARACI	ERISTICS									012	
PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.	ne results of at leas	st one analysis	s for every pollutant	in this table. Co	omplete one table for	each outfall. See	e instructions for a	additional details.				
				2. EFFLUENT	11			3. UNITS (S	3. UNITS (specify if blank)	FNI .4	4. INTAKE (optional)	
1. POLLUTANT	A. MAXIMUM DAILY VALUE	AILY VALUE	B. MAXIMUM 30 DAY VALUE (If available)	o DAY VALUE	C, LONG TERM AVRG. VALUE (if available)	VRG. VALUE	NO OF	A CONCEN.		A. LONG TERM AVRG. VALUE	RG. VALUE	SO ON
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	B. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
 A. Biochemical Oxygen Demand (BOD) 												
B. Chemical Oxygen Demand (COD)												
C. Total organic Carbon (TOC)												
D. Total Suspended Solids (TSS)												
E. Ammonia as N)												
F. Flow	VALUE		VALUE		VALUE					VALUE		
3. Temperature winter)	VALUE		VALUE	la l	VALUE			۰	ပ္	VALUE		
4. Temperature (summer)	VALUE		VALUE		VALUE				ç	VALUE		
Hd .	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM			A SEC	STANDA	STANDARD UNITS			

PART B - Mark *X. in column 2A for each pollutant you know or have reason to believe is present. Mark *X. in column 2B for each pollutant you believe to be absent. If you mark column 2A for any pollutant, you must provide the results for at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

	2. MARK "X"	"X" XE	The state of the s	3.	3. EFFLUENT				4. UNITS	SLIN	S. INTA	5. INTAKE (optional)	
AND CAS NUMBER	A.	89.	A. MAXIMUM DAILY VALUE	B. MAXIMUM 30 DA'	JM 30 DAY VALUE	C. LONG TERM AVRG. VALUE (if available)	RG. VALUE	D. NO. OF	A. CONCEN-		A. LONG TERM AVRG. VALUE	RG. VALUE	B. NO. OF
(if dvaliable)	PRESENT	ABSENT	CONCENTRATION (2) MASS CONCENTRATION	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		TRATION	B. MASS	(1) (2) MASS	(2) MASS	ANALYSES
CONVENTIONAL AND NONCONVENTIONAL POLLUTANTS	CONVENTIC	NAL POL	LUTANTS										
A. Bromide (24959-67-9)													
B. Chlorine, Total Residual													
C. Color					THE STATE OF								
D. Fecal Coliform													
E. Fluoride (16984-48-8)													
F. Nitrate - Nitrate (as N)													
MO 780-1514 (06-13)										1000			PAGE 6

Outfall 012 flows thru Outfall 013.

1. POLLUTANT AND CAS NUMBER (if available) (if available) G. Nitrogen, Total Organic	2. MARK "X"	K "X"			3. E	3. EFFLUENT				4. UNITS	ITS	5. INT	5. INTAKE (optional)	
(ii available) Nitrogen, Total Organic	ď	œi	A. MAXIMUM DAILY VALUE	VALUE	B. MAXIMUM 30 DAY VALUE (if available)	AY VALUE	C. LONG TERM AVRG. VALUE		D. NO. OF			A. LONG TERM AVRG. VALUE	4.11.20	B. NO. OF
Nitrogen, Total Organic	PRESENT	BELIEVED	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	1	ANALYSES	TRATION	B. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
(as N)														
H. Oil and Grease														
I. Phosphorus (as P), Total (7723-14-0)														
J. Sulfate (as SO ⁴) (14808-79-8)														
K. Sulfide (as S)														
L. Sulfite (as SO³) (14265-45-3)														
M. Surfactants				100										
N. Aluminum, Total (7429-90-5)														
O. Barium, Total (7440-39-3)														
P. Boron, Total (7440-42-8)														
Q. Cobalt, Total (7440-48-4)							T							
R. Iron, Total (7439-89-6)														
S. Magnesium, Total (7439-95-4)														
T. Molybdenum, Total (7439-98-7)														
U. Manganese, Total (7439-96-5)	2 1													
V. Tin, Total (7440-31-5)														
W. Titanium, Total (7440-32-6)														

Outfall 012 flows thru Outfall 013.

A POLITION A		2. MARK "X"	.X X		3. E	3. EFFLUENT				4. UNITS	NITS	6. INTA	5. INTAKE (optional)	
	AND CAS NUMBER		eri i	Y VALUE	B. MAXIMUM 30 D.	AY VALUE	C. LONG TERM AV	IRG. VALUE	D. NO. OF			A. LONG TERM AV		B. NO. OF
700 ALI PHENOLS 344 344 345 346 446 447 747	(acadacia)		ABSENT	_	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES		B. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
2001 2010 2010 2010 2010 2010 2010 2010	METALS, AND TOTAL PHE	STON		7										
2001 2010 2010 2010 2010 2010 2010 2010	1M. Antimony, Total (7440-36-9)													
100 100	2M. Arsenic, Total (7440-38-2)													
	3M. Beryllium, Total (7440-41-7)													
	4M. Cadmium, Total (7440-43-9)													
	5M. Chromium III (16065-83-1)													
	6M. Chromium VI (18540-29-9)													
10 clail coal coal coal coal coal coal coal coa	7M. Copper, Total (7440-50-8)													
	8M. Lead, Total (7439-92-1)													
oral coal coal coal coal coal coal coal co	9M. Mercury, Total (7439-97-6)													
Coal	10M. Nickel, Total (7440-02-0)													
teal teal teal teal teal teal teal teal	11M. Selenium, Total (7782-49-2)													
Thenable to the control of the contr	12M. Silver, Total (7440-22-4)													
teal TY	13M. Thallium, Total (7440-28-0)									1877				
al A Y	14M. Zino, Total (7440-66-6)													
γ	15M. Cyanide, Amenable to Chlorination													
A	16M. Phenois, Total		E.											
tgs)	RADIOACTIVITY													
ttal	(1) Alpha Total													
ital	(2) Beta Total													
ital	(3) Radium Total													
	(4) Radium 226 Total													

Mo 780-1514 (08-13)
Outfall 012 flows thru Outfall 013.

FORM C TABLE 1 FOR 3.00 ITEM A AND B OUTFALL NO.

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B. NO. OF ANALYSES 4. INTAKE (optional) A. LONG TERM AVRG. VALUE (2) MASS 013 (1) CONCENTRATION VALUE VALUE VALUE B. MASS 3. UNITS (specify if blank) STANDARD UNITS S S PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details. A. CONCEN. D. NO. OF ANALYSES (2) MASS C. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION VALUE VALUE VALUE 2. EFFLUENT B. MAXIMUM 30 DAY VALUE (If available) (2) MASS MAXIMUM (1) CONCENTRATION MINIMOM VALUE VALUE VALUE INTAKE AND EFFLUENT CHARACTERISTICS (2) MASS A. MAXIMUM DAILY VALUE MAXIMUM (1) CONCENTRATION MINIMOM VALUE VALUE VALUE B. Chemical Oxygen Demand (COD) D. Total Suspended Solids (TSS) H. Temperature (summer) C. Total organic Carbon A. Biochemical Oxygen Demand (BOD) 1. POLLUTANT G. Temperature E. Ammonia F. Flow (winter) (TOC) (as N) 표

PART B - Mark "X" in column 2A for each pollutant, you know or have reason to believe is present. Mark "X" in column 2B for each pollutant you believe to be absent. If you mark column 2A for any pollutant, you must provide the results for at least one analysis for that pollutant. See the instructions for additional details and requirements.

	2. MARK "X"			3. EFFLUENT				4. UNITS	STIN	5. INTA	5. INTAKE (optional)	
AND CAS NUMBER	A.	A. MAXIMUM DAILY VALUE	.UE B. MAXIMUM 30 DAY VALUE (if available)	DAY VALUE	C. LONG TERM AVRG. VALUE	/RG. VALUE	-	A. CONCEN-	0	A. LONG TERM AVRG. VALUE	RG. VALUE	B. NO. OF
(ii avallable)	PRESENT ABSENT	CONCENTRATION (2) MASS CONCENTRATION	(1) (ONCENTRATION	(2) MASS	(1) (2) MASS	(2) MASS	ANALYSES	TRATION	D. MASS	(1) (2) MASS	(2) MASS	ANALYSES
CONVENTIONAL AND NONCONVENTIONAL POLLUTANTS	ONVENTIONAL	POLLUTANTS										
A. Bromide (24959-67-9)												
B. Chlorine, Total Residual												
C. Color												
D. Fecal Coliform												
E. Fluoride (16984-48-8)												
F. Nitrate - Nitrate (as N)												
MO 780-1514 (06-13)												PAGE 6

Outfall 013 was constructed in July 2013 and has not filled with water yet (as of April 1, 2016).

4	18/2016	
	Renew	
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State Concentration State Concentration State		2. MARK "X"	×			ñ	3. EFFLUENT				4. UNITS	ITS	S. INT	5. INTAKE (optional)	
Organic Organic Organic (1) MASS CONCENTRATION (2) MASS CONCENTRATION (2) MASS ANALYSES TRATION (2) Total Organic Orga		4	60	A. MAXIMUM DAILY	VALUE	B. MAXIMUM 30 D	AY VALUE	C. LONG TERM AN	/RG. VALUE	D. NO. OF	A. CONCEN-	B. MASS	A. LONG TERM AVRG. VALUE		B. NO. OF
Or Nitrogen Total Organic		PRESENT A			2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION		ANALYSES	TRATION		CONCENTRATION	(2) MASS	ANALTSES
H. Oil and Grease 1. Priosphorus (as P.) Total 7.7723-140) (14809-79-8) K. Sulfide (as SO*) (14809-78-8) K. Sulfide (as SO*) (14809-78-8) K. Sulfide (as SO*) (14209-65-5) K. Sulfide (as SO*) (14209-65-6) K. Sulfide (as SO*) (14209-65-65-6) K. Sulfide (as SO*) (14209-65-65-65-65-65-65-65-65-65-65-65-65-65-	G. Nitrogen, Total Organic (as N)														
'Phosphorus (as P), Total	H. Oil and Grease														
J. Sulfate (as SO*) L. Sulfate (as SO*) K. Sulfate (as SO*) L. Sulfate (as SO*) K. Sulfate (as SO*) L. Sulfate (as SO*) M. Surfactains M. Surfactains M. Auminum, Total L. Sulfate (as SO*) L. Sulfate (as SO*) M. Surfactains L. Sulfate (as SO*) L. Sulfate (as SO*) M. Surfactains L. Sulfate (as SO*) L. Sulfate (as SO*) M. Surfactains L. Sulfate (as SO*) L. Sulfate (as SO*) M. Surfactains L. Sulfate (as SO*) L. Sulfate (as SO*) M. Sulfate (as SO*) L. Sulfate (as SO*) L. Sulfate (as SO*) M. Sulfate (as SO*) L. Sulfate (as SO*) L. Sulfate (as SO*) M. Sulfate (as SO*) L. Sulfa	l. Phosphorus (as P), Total (7723-14-0)														
K. Sulfide (as S)* L. Sulfide (as SO*)* (14265-46.3) M. Surfactanis M. Surfactanis M. Aluminum, Total (7426-90.5) O Real Manum, Total (7440-38.4) P. Boron, Total (7440-38.4) P. Boron, Total (7440-48.4) R. Iron, Total (7439-96.4) R. Mandanese, Total (7439-96.4) M. Mandanese, Total (7439-96.5) M. Mandanese, Total (7439-96.5) M. Mandanese, Total (7439-96.5) M. Tin Total (7439-96.5) M. Tin Total (7449-96.5) M. Tin Total	J. Sulfate (as SO*) (14808-79-8)													en l	
L. Suffie (as SO ²) (1486-45-3) M. Surfactants N. Auminum, Total (742-9-0-5) O. Rationary Total (7440-39-3) O. Cooket 2-6) O. Cooket 2-6) O. Cooket 3-6) O. Cooket 3-6) O. Cooket 3-6) O. Cooket 4-6) O. Cooket 4-6) O. Cooket 3-6) O. Cooket 3-6) O. Cooket 4-6) O. Cooket 3-6) O.	K. Sulfide (as S)									7	10-13	1	J. P.		
M. Surfactants N. Atuminum, Total (7429-90-5) O. Barium, Total (7440-29-3) O. Cobalt, Total (7440-42-8) O. Cobalt, Total (7440-42-8) O. Cobalt, Total (7480-80-4) F. Iron, Total (7480-80-4) T. Molyborum, Total (7480-80-5) U. Manganese, Total (7480-80-5) V. Tin. Total (7480-80-5)	L. Sulfite (as SO ³) (14265-45-3)		* /												
N. Aluminum, Total (7429-80-5) C. Barium, Total (7440-39-3) C. Cobalt, Total (7440-42-8) C. Cobalt, Total (7440-48-4) R. Iron, Total (7489-80-5) T. Molybdenum, Total (7489-80-5) T. Molybdenum, Total (7489-80-5) U. Manganese, Total (7489-80-5) W. Titanium, Total (7489-81-5) W. Titanium, Total	M. Surfactants		716												
O. Barlum, Total (7440-39-3) P. Boron, Total (7440-42-8) (O. Cobalt, Total (A. Cobalt, Total (7439-89-6) S. Magnesium, Total (7439-96-5) U. Manganese, Total (7439-96-5) (7439-96-5) (7439-96-5) W. Thanlum, Total (740-31-5) W. Trianlum, Total W. Trianlum, Total	N. Aluminum, Total (7429-90-5)														
P. Boron, Total (7440-42-8) G. Cobalt, Total (7440-48-4) R. Iron, Total (7439-95-4) T. Molydenium, Total (7439-98-7) V. Tin, Total (7439-96-5) V. Tin, Total (7440-31-5) W. Titanium, Total	O. Barium, Total (7440-39-3)				5										
G. Cobalt, Total (7440-48-4) R. Iron, Total (7439-89-6) S. Magnesium, Total (7439-95-4) T. Molybdenum, Total (7439-98-7) U. Manganese, Total (7439-96-5) V. Tin, Total (7440-31-5)	P. Boron, Total (7440-42-8)							.6.6							
R. Iron, Total (7439-89-6) S. Magnesium, Total (7439-95-4) T. Molybdenum, Total (7439-98-7) U. Manganese, Total (7439-96-5) V. Tin, Total (7440-31-5)	Q. Cobalt, Total (7440-48-4)		l												
S. Magnesium, Total T. Moiybdenum, Total (7439-96-4) U. Manganese, Total (7439-96-5) V. Tin, Total (7440-31-5) W. Titanium, Total	R. Iron, Total (7439-89-6)											4			
T. Molybdenum, Total (7439-98-7) U. Manganese, Total (7439-96-5) V. Tin, Total (7440-31-5)	S. Magnesium, Total (7439-95-4)														
U. Manganese, Total (7439-96-5) V. Tin, Total (7440-31-5) W. Titanium, Total	T. Molybdenum, Total (7439-98-7)														
V. Th. Total (7440-31-5)	U. Manganese, Total (7439-96-5)														
W. Trtanium, Total	V. Tin, Total (7440-31-5)														
(7440-32-6)	W. Titanium, Total (7440-32-6)														

Outfall 013 was constructed in July 2013 and has not filled with water yet (as of April 1, 2016).

Principle of the prin		2. MARK "X"	X:			3.	3. EFFLUENT				4. UNITS	ITS	6. INT	5. INTAKE (optional)	
	AND CAS NUMBER	d	en i		Y VALUE	B. MAXIMUM 30 D	AY VALUE	C. LONG TERM AV	RG. VALUE	D. NO. 0F	A. CONCEN-	2	A. LONG TERM AV	100	B. NO. OF
S S S S S S S S S S	(II avanabie)	PRESENT	ABSENT		(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	B. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
	METALS, AND TOTAL PHE	NOLS													
The state of the s	1M. Antimony, Total (7440-36-9)														
	2M. Arsenic, Total (7440-38-2)														
Section Sect	3M. Beryllium, Total (7440-41-7)														
	4M. Cadmium, Total (7440-43-9)														
	SM. Chromium III (16065-83-1)														
and the following the followin	6M. Chromium VI (18540-29-9)														
	7M. Copper, Total (7440-50-8)			4											
Siling S	8M. Lead, Total (7439-92-1)														
	9M. Mercury, Total (7439-97-6)														
able to	10M. Nickel, Total (7440-02-0)														
able to	11M. Selenium, Total (7782-49-2)														
able to	12M. Silver, Total (7440-22-4)														
able to	13M. Thallium, Total (7440-28-0)														
able to	14M. Zinc, Total (7440-66-6)						W. Caryle								
	15M. Cyanide, Amenable to Chlorination														
	16M. Phenols, Total														
	RADIOACTIVITY														
	(1) Alpha Total														
	(2) Beta Total														
	(3) Radium Total														
	(4) Radium 226 Total														

Renew

Outfall 013 was constructed in July 2013 and has not filled with water yet (as of April 1, 2016).

18/2016 Renev FORM C TABLE 1 FOR 3.00 ITEM A AND B

OUTFALL NO.

PART A - You must provide the results of at least one analysis for every pollutant in this tab	e results of at least	one analysis	for every pollutant in	n this table. C	ile. Complete one table for each outfall. See instructions for additional details.	each outfall. See	e instructions for a	additional details.				
				2. EFFLUENT	11			3. UNITS (specify if blank)	scify if blank)	FNI .4	4. INTAKE (optional)	
1. POLLUTANT	A. MAXIMUM DAILY VALUE	AILY VALUE	B. MAXIMUM 30 DAY VALUE (if available)	DAY VALUE	C. LONG TERM AVRG. VALUE (if available)	VRG. VALUE	O. O.	A. CONCEN.		A. LONG TERM AVRG. VALUE	RG. VALUE	B. NO. OF
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	B. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
A. Biochemical Oxygen Demand (BOD)												
B. Chemical Oxygen Demand (COD)												
C. Total organic Carbon (TOC)	1											
D. Total Suspended Solids (TSS)									5 X			
E. Ammonia (as N)												
F. Flow	VALUE		VALUE		VALUE					VALUE		
G. Temperature (winter)	VALUE		VALUE		VALUE			ĵ		VALUE		
H. Temperature (summer)	VALUE		VALUE		VALUE			ů		VALUE		
Ho .	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM				STANDARD UNITS	D UNITS			

PART B – Mark "X" in column 2A for each pollutant you know or have reason to believe is present. Mark "X" in column 2B for each pollutant you believe to be absent. If you mark column 2A for any pollutant, you must provide the results for at least one analysis for that pollutant. See the instructions for additional details and requirements.

	2. MARK "X"	"X"		3.	3. EFFLUENT				4. UNITS	STIL	S. INTA	5. INTAKE (optional)	
1. POLLUTANT AND CAS NUMBER		rai s	A. MAXIMUM DAILY VALUE	B. MAXIMUM 30 DAY VALUE (if available)	AY VALUE	C. LONG TERM AVRG. VALUE (if available)	RG. VALUE	D. NO. OF	A. CONCEN-	0	A. LONG TERM AVRG. VALUE		B. NO. OF
(if available)	PRESENT A	ABSENT	CONCENTRATION (2) MASS CONCENTRATION	(1) CONCENTRATION	(2) MASS	(2) MASS	(2) MASS	ANALYSES	TRATION	D. IN 200	CONCENTRATION (2) MASS		ANALYSES
CONVENTIONAL AND NONCONVENTIONAL POLLUTANTS	ONVENTION	AL POLI	UTANTS										
A. Bromide (24959-67-9)													
B. Chlorine, Total Residual													
C. Color													
D. Fecal Coliform													
E. Fluoride (16984-48-8)													
F. Nitrate - Nitrate (as N)													
MO 780-1514 (06-13)												d	PAGE 6

Outfall 014 proposed impoundment that will not be constructed.

Outfall 014 proposed impoundment that will not be constructed.

U. Manganese, Total (7439-96-5)

V. Tin, Total (7440-31-5)

W. Titanium, Total (7440-32-6) MO 780-1514 (06-13)

PAGE 7

TIANT TUMBER TUMBER TUMBER TOTAL PHENOLS TOTAL	UE B. MAXIMUM 30 DAY VALUE (if available) ASS CONCENTRATION (2) MASS					The second secon	
Otal Otal Otal In Internable to Internabl	CONCENTRATION	.UE C. LONG TERM AVRG. VALUE (if available)		A. CONCEN.	000	A. LONG TERM AVRG. VALUE	JE B. NO. OF
al and be to		ASS CONCENTRATION (2) MASS	SS	TRATION	D. MASS	CONCENTRATION (2) MASS	-
1M. Antimony, Total (7440-36-9) 2M. Arsenic, Total (7440-41-7) 3M. Gadmium, Total (7440-41-7) 4M. Cadmium, Total (7440-41-7) 5M. Chromium III (1605-83-1) 5M. Chromium VI (18540-29-9) 7M. Copper, Total (740-50-8) 8M. Lead, Total (740-50-8) 8M. Lead, Total (7439-92-1) 9M. Mercury, Total (7439-92-1) 17M. Copper, Total (7439-92-1) 17M. Silver, Total (7430-02-4) 13M. Silver, Total (7440-22-4) 13M. Zhac, Total (7440-26-6) 15M. Oyanide, Amenable to Chlorination 16M. Phenols, Total							
2M. Arsenic, Total (7440-38-2) 3M. Beryllium, Total (7440-43-9) 3M. Cadmium, Total (7440-43-9) 3M. Cadmium III (16055-83-1) 6M. Chromium VI (16050-29-9) 7M. Copper, Total (740-50-8) 8M. Lead, Total (740-50-8) 10M. Mercury, Total (7439-92-1) 9M. Mercury, Total (7439-92-1) 12M. Silver, Total (7440-28-0) 13M. Zinc, Total (7440-28-0) 13M. Zinc, Total (7440-28-0) 15M. Zinc, Total (7440-28-0) 15M. Zinc, Total (7440-28-0) 15M. Phenols, Total							
3M. Beryllum, Total (7440-41-7) 4M. Cadmium, Total (7440-43-9) 5M. Chromium III (16065-83-1) 6M. Chromium VI (18540-29-9) 7M. Copper, Total (7440-50-8) 8M. Lead, Total (7439-92-1) 9M. Mercury, Total (7439-92-1) 10M. Nickel, Total (7439-92-4) 11M. Selenium, Total (7430-20-0) 11M. Selenium, Total (7440-22-4) 12M. Silver, Total (7440-22-4) 13M. Thallium, Total (7440-28-0) 14M. Zinc, Total (7440-28-0) 14M. Zinc, Total (7440-66-6) 15M. Cyanide, Amenable to Chlorination 16M. Phenols, Total							
4M. Cadmium, Total (7440-43-9) 5M. Chromium III (1605-83-1) 6M. Chromium VI (18540-29-9) 7M. Copper, Total (7440-50-8) 8M. Lead, Total (7439-92-1) 9M. Mercury, Total (7439-97-6) 10M. Nickel, Total (7439-97-6) 11M. Selenium, Total (7740-02-0) 11M. Selenium, Total (7740-22-4) 13M. Thallium, Total (7740-28-6) 14M. Zinc, Total (7440-28-6) 15M. Cyanide, Amenable to Chlorination 16M. Phenols, Total							0
6M. Chromium III (1605-83-1) 6M. Chromium VI (18540-29-9) 7M. Copper, Total (7440-50-8) 8M. Lead, Total (7439-92-1) 9M. Mercury, Total (7439-92-1) 10M. Nickel, Total (7440-02-0) 11M. Selenium, Total (7460-22-4) 12M. Silver, Total (7460-22-4) 14M. Selenium, Total (7460-22-4) 14M. Selenium, Total (7460-22-4) 14M. Selenium, Total (7460-22-6) 14M. Selenium, Total (7460-22-6) 14M. Selenium, Total (7460-22-6) 14M. Shen, Total (7460-22-6) 14M. Shen Total (7460-22-6) 14M. Shen Total (7460-22-6) 14M. Shen Total (7460-22-6) 14M. Shen Total (7460-25-6) 14M. Shen Total (7460-25-6) 14M. Phenols, Total							
6M. Chromium VI (18540-29-9) 7M. Copper, Total (7440-50-8) 8M. Lead, Total (7439-92-1) 9M. Mercury, Total (7439-97-6) 10M. Nickel, Total (7740-02-0) 11M. Selenium, Total (7740-22-4) 12M. Silver, Total (7740-22-4) 14M. Zinc, Total (7440-65-6) 14M. Zinc, Total (7440-66-6) 15M. Cyanide, Amenable to Chlorination 16M. Phenols, Total						. 4	
7M. Copper, Total (7440-50-8) 8M. Lead, Total (7439-92-1) 9M. Mercury, Total (7439-97-6) 11M. Selenium, Total (7782-49-2) 12M. Silver, Total (7740-22-4) 13M. Thallium, Total (7440-28-0) 14M. Zinc, Total (7440-66-6) 15M. Cyanide, Amenable to Chlorination 16M. Phenols, Total							
8M. Lead, Total (7439-92-1) 9M. Mercury, Total (7439-97-6) 10M. Nickel, Total (7440-02-0) 11M. Selenium, Total (7782-49-2) 12M. Silver, Total (7740-22-4) 13M. Thallium, Total (7440-28-0) 14M. Zinc, Total (7440-66-6) 15M. Cyanide, Amenable to Chlorination 16M. Phenols, Total							
9M. Mercury, Total (7439-97-6) 10M. Nickel, Total (7440-02-0) 11M. Selenium, Total (7782-49-2) 12M. Silver, Total (7740-28-0) 14M. Zinc, Total (7440-66-6) 15M. Cyanide, Amenable to Chlorination 16M. Phenols, Total							
10M. Nickel, Total (7440-02-0) 11M. Selenium. Total (7782-49-2) 12M. Silver, Total (7440-22-4) 13M. Thallium, Total (7440-28-0) 14M. Zinc, Total (740-66-6) 15M. Cyanide, Amenable to Chlorination 16M. Phenols, Total							
11M. Selenium. Total (7782-49-2) 12M. Silver, Total (7440-22-4) 13M. Thallium, Total (7440-28-0) 14M. Zinc, Total (7440-66-6) 15M. Cyanide, Amenable to Chlorination 16M. Phenols, Total							
12M. Silver, Total (7440-22-4) 13M. Thallium, Total (7440-28-0) 14M. Zinc, Total (7440-66-6) 15M. Cyanide, Amenable to Chlorination 16M. Phenols, Total							
13M. Thallium, Total (7440-28-0) 14M. Zinc, Total (7440-66-6) 15M. Cyanide, Amenable to Chlorination 16M. Phenols, Total RADIOACTIVITY	Account from the last of the l						
14M. Zinc, Total (7440-66-6) 15M. Cyanide, Amenable to Chlorination 16M. Phenols, Total RADIOACTIVITY							
15M. Cyanide, Amenable to Chlorination 16M. Phenols, Total RADIOACTIVITY				2			
16M. Phenols, Total RADIOACTIVITY							
RADIOACTIVITY							
Isto Tetal							
(2) Beta Total							
(3) Radium Total							
(4) Radium 226 Total							

Outfall 014 proposed impoundment that will not be constructed.

FORM C TABLE 1 FOR 3.00 ITEM A AND B

18/2016

Renew

OUTFALL NO. 015

INTAKE AND EFFLUENT CHARACTERISTICS

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

				2. EFFLUENT	_			3. UNITS (specify if blank)	ncify if blank)	LNI .4	4. INTAKE (optional)	
1. POLLUTANT	A. MAXIMUM DAILY VALUE	ILY VALUE	B. MAXIMUM 30 DAY VALUE (If available)	DAY VALUE	C. LONG TERM AVRG. VALUE (if available)	VRG. VALUE	CN CN	A CONCEN.		A. LONG TERM AVRG. VALUE	-	ON ON
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(Z) MASS	ANALYSES	TRATION	B. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
A. Biochemical Oxygen Demand (BOD)	<2.0							a/gm				
B. Chemical Oxygen Demand (COD)	<10.0							a/6m				
C. Total organic Carbon (TOC)	5.1							J/Bm				
D. Total Suspended Solids (TSS)	40.0				15.4		2	mg/e				
E. Ammonia (as N)	<0.1						-	mg/e				
F. Flow	Precipitation Dependent	Depende	VALUE		VALUE					VALUE		
G. Temperature (winter)	VALUE		VALUE		VALUE		က	10.0 °c		VALUE		
H. Temperature (summer)	VALUE		VALUE		VALUE		4	26.8 °C		VALUE		
L pH	MINIMUM M	MAXIMUM 8.94	MINIMUM	MAXIMUM			15	STANDARD UNITS	D UNITS			

PART B - Mark "X" in column 2A for each polititant you know or have reason to believe is present. Mark "X" in column 2B for each polititant you believe to be absent. If you mark column 2A for any polititant, you must provide the results for at least one analysis for that politions for additional details and requirements.

	2. MARK "X"	"X"			e,	3. EFFLUENT				4. UNITS	ITS	S. INTA	5. INTAKE (optional)	
1. POLLUTANT AND CAS NUMBER	A. Paragraphy	8.00	A. MAXIMUM DAILY VALUE	ALUE	B. MAXIMUM 30 DAY	AY VALUE	B. MAXIMUM 30 DAY VALUE C. LONG TERM AVRG. VALUE (if available)	RG. VALUE	D. NO. OF	D. NO. OF A. CONCEN-	004	A. LONG TERM AVRG. VALUE	RG. VALUE	B. NO. OF
in available)	PRESENT ABSENT		CONCENTRATION (2) MASS CONCENTRATION (2) MASS CONCENTRATION (2) MASS	MASS	(1) SONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION		(1) CONCENTRATION (2) MASS ANA	(2) MASS	ANALYSES
STREET, 1900 IN MOTERATION OF THE INTERIOR OF THE INTERIOR	CONTINENTION	100	- INTERIOR			The state of the s								

A. Bromide (24959-67-9)	×						
B. Chlorine, Total Residual	×						
C. Color	×						
D. Fecal Coliform	×						
E. Fluoride (16984-48-8)	×						
F. Nitrate - Nitrate (as N)	×						
MO 780-1514 (06-19)	-	The second secon	-	-			CHORD

< = ND-Not Detected at or above adjusted reporting limit + reporting limit * Believed present based on other nearby impoundment testing in January 2003, but not tested.</p>

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1	Odtila.														
Concentration Concentratio		2. MAF	RK "X"			ei ei	EFFLUENT				4. UN	ITS	5. INTA	AKE (optional)	
Note Participation Concentination Concentination	AND CAS NUMBER	Ą	œi i		LY VALUE	B. MAXIMUM 30 L	DAY VALUE	C. LONG TERM AV		1000	A. CONCEN-	SAM S	A. LONG TERM AV		B. NO. OF
Note	(Algudos)	PRESENT	ABSENT			(1) CONCENTRATION		(1) CONCENTRATION	(2) MASS		TRATION		(1) CONCENTRATION	(2) MASS	ANALYSES
	G. Nitrogen, Total Organic (as N)		×												
X	H. Oil and Grease		×												
X	i. Phosphorus (as P), Total (7723-14-0)		×												
	J. Sulfate (as SO ⁴) (14808-79-8)	×		29.8				15.9		က	mg/e				
	K. Sulfide (as S)		×												
	Sulfite (as SO ³) 4265-45-3)		×						F.				5		
X* X* X* X* X* X* X* X*	Surfactants		×												
X* X	Aluminum, Total 7429-90-5)	*													
X* X C.214 4 mg/le	. Barium, Total 440-39-3)	*×													
X 6.96 2.214 4 mg/k Ital X* 0.05 0.039 3 mg/k Ital X 0.005 0.039 3 mg/k X X 0.005 0.039 3 mg/k	Boron, Total 440-42-8)	*													
Ital X* 6.96 2.214 4 mg/le otal X* 0.05 0.039 3 mg/le tal X 0.039 3 mg/le 0 X X X 0.039 3 mg/le 0	Cobalt, Total 440-48-4)		×												
tal X* 0.05 0.039 3 mg/lc X	Iron, Total 439-89-6)	×						2.214		4	mg/e				
tal X 0.05 0.039 3 mg/t	Magnesium, Total 139-95-4)	*×				Salara Salara									
tal X mg/6 0.039 3 mg/6	Molybdenum, Total 139-98-7)		×												
× ×	Manganese, Total 439-96-5)	×		0.05				0.039		က	a/gm			4,15	
×	Tin, Total 440-31-5)		×											- 1	
	W. Titanium, Total (7440-32-6)		×										2.54		

* Believed present based on other nearby impoundment testing in January 2003, but not tested.

A CONTINUENCY A CONTINUENC	Outra				The state of the s					The state of the s		1		-
A		2. MA.	RK "X"		.s.	FFLUENT				4. U	STIS	5. INT	AKE (optional)	
	1. POLLUTANT AND CAS NUMBER	A.	ed d	Y VALUE	B. MAXIMUM 30 D	AY VALUE	C. LONG TERM AV	RG. VALUE	D. NO. 0F	A. CONCEN-	000	A. LONG TERM AV		B. NO. OF
**	(All available II)	PRESENT	ABSENT	(2) MASS	CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	B. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
	METALS, AND TOTAL PHEN	IOLS												
	1M. Antimony, Total 7440-36-9)	*												
	2M. Arsenic, Total 7440-38-2)		×											
Ax x x x x x x x x x x x x x x x x x x	3M. Beryllium, Total 7440-41-7)		×											
	4M. Cadmium, Total 7440-43-9)		×											
	M. Chromium III 16065-83-1)	*				130						- 4		
teal	3M. Chromium VI 18540-29-9)		×											
otal ** ** ** ** ** ** ** ** **	7440-50-8)	*												
× × × × × × × × × × × × × × × × × × ×	3M. Lead, Totai 7439-92-1)	*×												
* * * * * * * * * * * * * * * * * * *	9M. Mercury, Total 7439-97-6)		×											
*	IOM. Nickel, Total 7440-02-0)	*								E				
*	1M. Selenium, Total 7782-49-2)	*												
*	2M. Silver, Total 7440-22-4)		×											
*X X X X X X	3M. Thallium, Total 7440-28-0)	*×										732		
× × × × ×	4M. Zinc, Total 7440-66-6)	*												
	5M. Cyanide, Amenable to		×											
	6M. Phenois, Total		×											
	RADIOACTIVITY													
	1) Alpha Total		×											
	2) Beta Total		×											
	3) Radium Total		×											
	(4) Radium 226 Total		×											

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* Believed present based on other nearby impoundment testing in January 2003, but not tested.

INTAKE AND EFFLUENT CHARACTERISTICS

	TAB	
)		
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OUTFALL NO.

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B. NO. OF ANALYSES 4. INTAKE (optional) A. LONG TERM AVRG. VALUE (2) MASS (1) CONCENTRATION VALUE VALUE VALUE B. MASS 3. UNITS (specify if blank) STANDARD UNITS S S See instructions for additional details. A. CONCENTRATION mg/e 5.0 28.0 D. NO. OF ANALYSES 3 -(2) MASS PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. C. LONG TERM AVRG. VALUE (if available) (1) CONCENTRATION 24.33 VALUE VALUE VALUE 2. EFFLUENT (2) MASS B. MAXIMUM 30 DAY VALUE (if available) MAXIMUM (1) CONCENTRATION MINIMUM VALUE Precipitation Dependent VALUE (2) MASS A. MAXIMUM DAILY VALUE MAXIMUM 8.54 (1) CONCENTRATION 46.0 MINIMUM VALUE VALUE B. Chemical Oxygen Demand (COD) D. Total Suspended Solids H. Temperature (summer) . Total organic Carbon A. Biochemical Oxygen Demand (BOD) 1. POLLUTANT G. Temperature E. Ammonia F. Flow (as N) TOC) (TSS) 펍

PART B - Mark. X" in column 2A for each pollutant you know or have reason to believe is present. Mark "X" in column 2B for each pollutant you believe to be absent. If you mark column 2A for any pollutant, you must provide the results for at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

	2. MA	2. MARK "X"			6	3. EFFLUENT				4. UNITS	ITS	5. INTA	5. INTAKE (optional)	
1. POLLUTANT AND CAS NUMBER	¥.	_	A. MAXIMUM DAILY VALUE	VALUE	B. MAXIMUM 30 DAY VALUE (if available)	AY VALUE	C. LONG TERM AVRG. VALUE (if available)	rg. VALUE	D. NO. OF	A. CONCEN-	0000	A. LONG TERM AVRG. VALUE	RG. VALUE	B. NO. OF
(ii available)	PRESENT	ABSENT	(1) (2) MASS CONCENTRATION	2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	D. MASS	(1) (2) MASS	(2) MASS	ANALYSES
CONVENTIONAL AND NONCONVENTIONAL POLLUTANTS	CONVENTIC	NAL POL	LLUTANTS											
A. Bromide (24959-67-9)		×												
B. Chlorine, Total Residual		×												W.E.W.
C. Color		×												
D. Fecal Coliform		×	TO THE											
E. Fluoride (16984-48-8)		×												
F. Nitrate - Nitrate (as N)		×												

* Believed present based on other nearby impoundment testing in January 2003, but not tested.

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Odina)								
	2. MAF	MARK "X"			6	3. EFFLUENT				4. UNITS	s	5. INTA	5. INTAKE (optional)	
1. POLLUTANT AND CAS NUMBER	ď	œi	A. MAXIMUM DAILY VALUE	Y VALUE	B. MAXIMUM 30 DAY VALUE	AY VALUE	C. LONG TERM AVRG. VALUE	1	D. NO. OF	A. CONCEN-	00	A. LONG TERM AVRG. VALUE		B. NO. OF
(if available)	BELIEVED	BELIEVED	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	D. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
G. Nitrogen, Total Organic (as N)		×												
H. Oil and Grease		×												
 Phosphorus (as P), Total (7723-14-0) 		×												
J. Suffate (as SO³) (14808-79-8)	×		53.3				35.0		8	mg/e				
K. Suffide (as S)		×										33		
L. Sulfite (as SO³) (14265-45-3)		×												
M. Surfactants		×												
N. Aluminum, Total (7429-90-5)	*													3
O. Barium, Total (7440-39-3)	*×													
P. Boron, Total (7440-42-8)	*													
Q. Cobalt, Total (7440-48-4)		×												
R. Iron, Total (7439-89-6)	×		3.82			7.1	2.297		m	mg/e				
S. Magnesium, Total (7439-95-4)	*×	Y												
T. Molybdenum, Total (7439-98-7)		×												
U. Manganese, Total (7439-96-5)	×	aray(0.2				0.149		က	J/Gm				
V. Tin, Total (7440-31-5)		×												si II
W. Titanium, Total (7440-32-6)		×												PAGE 7
MO 780-1514 (06-13)														

* Believed present based on other nearby impoundment testing in January 2003, but not tested.

	2. MA	2. MARK "X"			3. E	3. EFFLUENT				4. UNITS	STIN	FNI .8	5. INTAKE (optional)	
1. POLLUTANT AND CAS NUMBER (if available)	A. BELIEVED	BELIEVED	A. MAXIMUM DAILY VALUE	VALUE	B. MAXIMUM 30 DAY VALUE (If available)	Y VALUE	C. LONG TERM AVRG. VALUE	RG. VALUE	D. NO. OF	A. CONCEN-	0	A. LONG TERM AVRG. VALUE		B. NO. OF
METALS AND TOTAL DUENOLS	PRESENT	ABSENT	CONCENTRATION (2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	B. MASS	CONCENTRATION	(2) MASS	ANALYSES
1M Antimoni Total	MOLS													
(7440-36-9)	×													
2M. Arsenic, Total (7440-38-2)		×												
3M. Beryllium, Total (7440-41-7)		×												
4M. Cadmium, Total (7440-43-9)		×												-
5M. Chromium III (16065-83-1)	**	71												
6M. Chromium VI (18540-29-9)		×												
7M. Copper, Total (7440-50-8)	×	Ê												
8M. Lead, Total (7439-92-1)	*													
9M. Mercury, Total (7439-97-8)		×												
10M. Nickel, Total (7440-02-0)	*										31			
11M. Selenium, Total (7782-49-2)	*													
12M. Silver, Total (7440-22-4)		×												
13M. Thallium, Total (7440-28-0)	×													
14M. Zinc, Total (7440-66-6)	*			1										
15M. Cyanide, Amenable to Chlorination		×												
16M. Phenols, Total		×												
RADIOACTIVITY														
(1) Alpha Total		×												
(2) Beta Total		×												- 3
(3) Radium Total		×												
(4) Radium 226 Total		×												

* Believed present based on other nearby impoundment testing in January 2003, but not tested.

FORM C TABLE 1 FOR 3.00 ITEM A AND B

18/2016

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B. NO. OF ANALYSES 4. INTAKE (optional) OUTFALL NO. A. LONG TERM AVRG. VALUE (2) MASS 017 (1) CONCENTRATION VALUE VALUE VALUE B. MASS 3. UNITS (specify if blank) STANDARD UNITS S 0 PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details. A. CONCENTRATION mg/e 9.2 26.6 D. NO. OF ANALYSES 27 N (2) MASS C. LONG TERM AVRG. VALUE (1) CONCENTRATION 23.5 VALUE VALUE VALUE 2. EFFLUENT B. MAXIMUM 30 DAY VALUE (if available) (2) MASS MAXIMUM (1) CONCENTRATION MINIMUM VALUE VALUE Precipitation Dependent (2) MASS INTAKE AND EFFLUENT CHARACTERISTICS A. MAXIMUM DAILY VALUE MAXIMUM 8.56 (1) CONCENTRATION 28.0 6.82 MINIMUM VALUE VALUE Chemical Oxygen Demand D. Total Suspended Solids H. Temperature (summer) Total organic Carbon A. Biochemical Oxygen 1. POLLUTANT G. Temperature Demand (BOD) E. Ammonia F. Flow (winter) (COD) (TOC) (TSS) (as N) 펍

PART B = Mark "X in column 2A for each pollutant you know or have reason to believe is present. Mark "X" in column 2B for each pollutant you believe to be absent. If you mark column 2A for any pollutant, you must provide the results for at least one analysis for that pollutant. Complete one table for each cutfall. See the instructions for additional details and requirements.

- Oliver and	2. MARK "X"		6	3. EFFLUENT				4. UNITS	TS	5. INTAKE (optional)	(4)
1. POLLUTANT AND CAS NUMBER	ed .	A. MAXIMUM DAILY VALUE	-	DAY VALUE	B. MAXIMUM 30 DAY VALUE C. LONG TERM AVRG. VALUE (if available)	RG. VALUE	D. NO. OF	D. NO. OF A. CONCEN-	2000	A. LONG TERM AVRG. VALUE	ш.
(if available)	BELIEVED BELIEVED PRESENT ABSENT	(1) (2) MASS CONCENTR	(1) CONCENTRATION	(2) MASS	(2) MASS CONCENTRATION (2) MASS	(2) MASS	ANALYSES	TRATION		(1) (2) MASS	ANALISES

CONVENTIONAL AND NONCONVENTIONAL POLLUTANTS

A. Bromid? (24959-67-9)	×		
B. Chlorine, Total Residual	×		
C. Color	×		
D. Fecal Coliform	×		
E. Fluoride (16984-48-8)	×	49 June 1997	
F. Nitrate - Nitrate (as N)	×		

MO 780-1514 (06-13)

Outfa.						0	0				Renew	8/2016	· (
	2. MA	2. MARK "X"			3.	3. EFFLUENT			4. UNITS	TS	5. INTA	5. INTAKE (optional)	
1. POLLUTANT AND CAS NUMBER	¥	ø.	A. MAXIMUM DAILY VALUE	LY VALUE	B. MAXIMUM 30 DAY VALUE (if available)	DAY VALUE	C. LONG TERM AVRG. VALUE	D. NO. 0F	A. CONCEN-	N N	A. LONG TERM AVRG. VALUE		B. NO. OF
(ir available)	PRESENT	ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION		TRATION		CONCENTRATION	(2) MASS	ANALTSES
G. Nitrogen, Total Organic (as N)		×											
H. Oil and Grease		×											
. Phosphorus (as P), Total (7723-14-0)		×											
J. Sulfate (as SO ⁴) (14808-79-8)	*												
K. Sulfide (as S)		×									1		
L. Sulfite (as SO³) (14265-45-3)		×											
M. Surfactants		×											
N. Aluminum, Total (7429-90-5)	*												
O. Barlum, Total (7440-39-3)	*												
P. Boron, Total (7440-42-8)	*								V.)				
Q. Cobalt, Total (7440-48-4)		×											
R. Iron, Total (7439-89-6)	×		2.0				1.0025	4	J/gm	4			
S. Magnesium, Total (7439-95-4)	*×												
T. Molybdenum, Total (7439-98-7)		×											
The second secon													

* Believed present based on other nearby impoundment testing in January 2003, but not tested.

××

*×

U. Manganese, Total (7439-96-5)

V. Tin, Total (7440-31-5)

W. Titanium, Total (7440-32-6) MO 780-1514 (06-13)

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2	Outre,	-										1		-
March Marc		2. MA	ARK "X"		е, П	FFLUENT				4. UI	NITS	S. INTA	AKE (optional)	
	1. POLLUTANT AND CAS NUMBER	A.	89.0	Y VALUE	B. MAXIMUM 30 D.	AY VALUE	C. LONG TERM AV	RG. VALUE	D. NO. OF	A. CONCEN-	2	A. LONG TERM AV		B. NO. OF
The principle of the pr	(avallable)	PRESENT	ABSENT		CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	B. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
	METALS, AND TOTAL PHEN	STOP												
	IM. Antimony, Total 7440-36-9)	*×												
	PM. Arsenic, Total 7440-38-2)		×											
	M. Beryllium, Total 7440-41-7)		×											
	M. Cadmium, Total 7440-43-9)		×											
	M. Chromium III 16065-83-1)	*										-		
	M. Chromium VI (8540-29-9)		×											
	M. Copper, Total 440-50-8)	*												
State Stat	M. Lead, Total 439-92-1)	*			And the second s									
Sea	M. Mercury, Total 439-97-6)		×									W=6		
Selection X* X* X* X* X* X* X* X	MM. Nickel, Total 440-02-0)	*												
Sal	M. Selenium, Total 782-49-2)	*												
The state The	M. Silver, Total 440-22-4)	-	×											
tenable to X* A X X X X X X X X X	M. Thallium, Total 440-28-0)	*												
al X	M. Zinc, Total 440-66-6)	*												
X	M. Cyanide, Amenable to llorination		×											
× × × × × (5)	M. Phenois, Total		×											
× × × ×	ADIOACTIVITY													
× × ×	Alpha Total		×											
××	Beta Total		×											
×) Radium Total		×											
	Radium 226 Total		×	AAM # 11.47*										

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* Believed present based on other nearby impoundment testing in January 2003, but not tested.

FORM C TABLE 1 FOR 3.00 ITEM A AND B

18/2016

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B. NO. OF ANALYSES 4. INTAKE (optional) (2) MASS OUTFALL NO. A. LONG TERM AVRG. VALUE 018 (1) CONCENTRATION VALUE VALUE VALUE B. MASS 3. UNITS (specify if blank) STANDARD UNITS S S PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details. A. CONCEN-TRATION mg/e 9.3 27.0 D. NO. OF ANALYSES 32 (Z) MASS C. LONG TERM AVRG. VALUE (1) CONCENTRATION VALUE VALUE VALUE 2. EFFLUENT (2) MASS B. MAXIMUM 30 DAY VALUE (If available) MAXIMUM (1) CONCENTRATION MINIMOM VALUE VALUE Precipitation Dependent INTAKE AND EFFLUENT CHARACTERISTICS (2) MASS A. MAXIMUM DAILY VALUE MAXIMUM 8.52 (1) CONCENTRATION 8.0 6.75 MINIMUM VALUE VALUE B. Chemical Oxygen Demand D. Total Suspended Solids H. Temperature (summer) C. Total organic Carbon A. Biochemical Oxygen Demand (BOD) 1. POLLUTANT G. Temperature E. Ammonia F. Flow (winter) (aoo) (as N) (TOC) (TSS) 표

PART B - Mark "X" in column 2A for each pollutant you know or have reason to beleve is present. Mark "X" in column 2B for each pollutant you believe to be absent. If you mark column 2A for any pollutant, you must provide the results for at least one analysis for that pollutant. See the instructions for additional details and requirements.

	2. MARK "X"	"X" XI			3.	3. EFFLUENT				4. UNITS	NITS	S. INTA	5. INTAKE (optional)	
1. POLLUTANT AND CAS NUMBER	A.	83	A. MAXIMUM DAILY VALUE	VALUE	B. MAXIMUM 30 DAY	AY VALUE	B. MAXIMUM 30 DAY VALUE C. LONG TERM AVRG. VALUE (if available)	'RG. VALUE	D. NO. OF	D. NO. OF A. CONCEN-	0	A. LONG TERM AVRG. VALUE	$\overline{}$	B. NO. OF
(if available)	PRESENT ABSENT		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	CONCENTRATION (2) MASS CONCENTRATION (2) MASS CONCENTRATION (2) MASS	(2) MASS	ANALYSES	TRATION	0.60	(1) CONCENTRATION (2) MASS		ANALYSES

NVENTIONAL AND NONCONVENTIONAL POLLUTANTS

B. Chlorine, Total Residual X C. Color X			
		The state of the s	
D Fecal Coliform			
E. Fluoride X (16984-48-8)			
F. Nitrate - Nitrate (as N)			

* Believed present based on other nearby impoundment testing in January 2003, but not tested.

IN X* In MARK BELLEVED BELLEV															
A		2. MA	RK "X"			3, 6	FFLUENT				4. UNI	2	5. INTA	5. INTAKE (optional)	
President Assert Assert Assert Concentration (2) MASS CONCENTRATION (3) MASS CONCENTRATION (3) MASS TRATION (3) MASS CONCENTRATION (3) MASS TRATION (3) MASS TRATION (3) MASS TRATION (3) MASS TRATION (4) MASS TRATION (4) MASS TRATION (4) MASS TRATION (5)	1. POLLUTANT AND CAS NUMBER	A.	69	A. MAXIMUM DAILY	VALUE	B. MAXIMUM 30 D.	AY VALUE	C. LONG TERM AN		D. NO. OF		0	A. LONG TERM AVRG. VALUE	RG. VALUE	B. NO. OF
P) Total	(aragiana)	PRESENT	ABSENT			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES		D. M.ASS	CONCENTRATION	(2) MASS	ANALYSES
P). Total X	G. Nitrogen, Total Organic as NJ		×												
X	H. Oil and Grease		×												
x x x x x x x x x x x x x x x x x x x	. Phosphorus (as P), Total (7723-14-0)		×												
	J. Sulfate (as SO ⁴) 14808-79-8)	*													
	(, Sulfide (as S)		×												
X	Sulfite (as SO ³) 14265-45-3)		×												
X* X* X* X* X* X* X* X*	A. Surfactants		×												
X* X* X X X X X X X	V. Aluminum, Total (7429-90-5)	*		The state of the s											
X	 Barium, Total 7440-39-3) 	*							B TOTAL						
X	2, Boron, Total 7440-42-8)	*×													
X	2. Cobalt, Total 7440-48-4)		×								14.				
** **	7, Iron, Total 7439-89-6)	×		0.774						1	mg/e				
tal X	. Magnesium, Total 7439-95-4)	*×													
**	. Molybdenum, Total 7439-98-7)		×												
	J. Manganese, Total 7439-96-5)	*×													
	/. Tin, Total 7440-31-5)		×												
	W. Titanium, Total (7440-32-6)		×												

* Believed present based on other nearby impoundment testing in January 2003, but not tested.

LUTANT SHELWED SHELW			The same of the sa	-
TOTAL PHENOLS	ENT	4. UNITS	5. INTAKE (optional)	
Total X* Assert Concentration (2) MASS CONCENTRATION (3) MASS	C. LONG TERM AVRG. VALUE	1000	A. LONG TERM AVRG. VALUE	B. NO. OF
Total Total Total Total Total A* A* A* A* A* A* A* A* A* A	AASS (1) ANALYSES ANALYSES CONCENTRATION (2) MASS	TRATION	CONCENTRATION (2) MASS	ANALYSES
Total Total Total Total At III Total At III At II				
Total Total At A				
* * * * * * * * * * * * * * * * * * *				
Total X* Y Y Atal A				
tal X* X* X* Total X*				
tal X* X* X* Total X* X* Total X* X* Total X*			1	
tal X* X* Total X* X* Total X* X* Total X*				
al X* Total X* menable to X* TY				
ai X* Total X* menable to X* TY				
Total X* menable to X* TY				
Total X* menable to X* TY				
otal X* menable to X* TY				
menable to X* TY				
menable to				
menable to otal			SÁ	
) tal				
Y				
(4) Radium 226 Total X				

* Believed present based on other nearby impoundment testing in January 2003, but not tested.

Renewa FORM C TABLE 1 FOR 3.00 ITEM A AND B

18/2016

THE AND PETER THE	2000									0	OUTFALL NO.	,
INTARE AND EFFLUENT CHARACTERISTICS	NI CHARAC	IERISTIC	0								019	
PART A - You must provide the results of at least one analysis for every pollutant in this tabl	ne results of at le	ast one analys	is for every pollutant in	n this table. Co	le. Complete one table for each outfall. See instructions for additional details.	each outfall. Se	e instructions for a	additional details				
				2. EFFLUENT				3. UNITS (3. UNITS (specify if blank)	4. IN	4. INTAKE (optional)	
1. POLLUTANT	A. MAXIMUM	A. MAXIMUM DAILY VALUE	B. MAXIMUM 30 DAY VALUE (if available)	DAY VALUE	C. LONG TERM AVRG. VALUE	WRG. VALUE	NO OF	A CONCEN.		A. LONG TERM AVRG. VALUE	VRG. VALUE	B NO. OF
	(1) CONCENTRATION	ON (2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	B. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
 A. Biochemical Oxygen Demand (BOD) 												
3. Chemical Oxygen Demand (COD)												
. Total organic Carbon TOC)												
D. Total Suspended Solids TSS)												
E. Ammonia as N)												
Flow	VALUE		VALUE		VALUE					VALUE		
5. Temperature winter)	VALUE		VALUE		VALUE				့ ၁	VALUE		
. Temperature (summer)	VALUE		VALUE		VALUE				ာ့	VALUE		
Hd	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM				STANDA	STANDARD UNITS			

PART B - Merk "X" in column 2A for each pollutant you know or have reason to believe is present. Mark "X" in column 2B for each pollutant you believe to be absent. If you mark column 2A for any pollutant, you must provide the results for at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

	2. MAI	2. MARK "X"	N. S. E. S.		3.	3. EFFLUENT				4. UNITS	STIZ	S. INTA	5. INTAKE (optional)	
1. POLLUTANT AND CAS NUMBER	A.	89	A. MAXIMUM DAILY VALUE	VALUE	B. MAXIMUM 30 DAY VALUE (if available)	NAY VALUE	C. LONG TERM AVRG. VALUE	VRG. VALUE	D. NO. OF	A. CONCEN.	0	A. LONG TERM AVRG. VALUE	RG. VALUE	B. NO. OF
(anaman)	PRESENT		CONCENTRATION (2) MASS CONCENTRATION (2) MASS	E) MASS	(1) CONCENTRATION	(2) MASS	CONCENTRATION (2) MASS	(2) MASS	ANALYSES	TRATION	B. MASS	CONCENTRATION (2) MASS	(2) MASS	ANALYSES
CONVENTIONAL AND NONCONVENTIONAL POLLUTANTS	ONVENTIC	NAL POL	LUTANTS											
A. Bromide (24959-67-9)														
B. Chlorine, Total Residual														
C. Color														
D. Fecal Coliform														
E. Fluoride (16984-48-8)														
F. Nitrate - Nitrate (as N)														
MO 780-1514 (06-13)														PAGE 6

Outfall 019 proposed impoundment that will not be constructed.

Part	Outfa.						0						Renew	8/2016	9
Market M		2. MA	RK "X"			3. E	FFLUENT				4. UN	ITS	5. INTA	AKE (optional)	
Principal Prin	1. POLLUTANT AND CAS NUMBER	Ą	æi	1000	Y VALUE	B. MAXIMUM 30 D	AY VALUE	C. LONG TERM AN	VRG. VALUE	D. NO. OF		000	A. LONG TERM AV		B. NO. OF
Mail	(if available)	PRESENT	ABSENT			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	771	D. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
See	G. Nitrogen, Total Organic (as N)														
Oy Control Con	H. Oil and Grease														
	I. Phosphorus (as P), Total (7723-14-0)														
Deal	J. Sulfate (as SO ⁴) (14808-79-8)													あり	
1) 1961	K. Sulfide (as S)	1													
Diagram Diag	L. Sulfite (as SO³) (14265-45-3)														
	M. Surfactants		.6												
Colar Cola	N. Aluminum, Total (7429-90-5)														
Total	O. Barium, Total (7440-39-3)														
tal	P. Boron, Total (7440-42-8)						-0.								
tal	Q. Cobalt, Total 7440-48-4)		5				75								
(a) Otal (fa)	R. Iron, Total 7439-89-6)														
otai fal	S. Magnesium, Total 7439-95-4)														
real control c	T. Molybdenum, Total 7439-98-7)												1.14		
	U. Manganese, Total 7439-96-5)														
	V. Tin, Total 7440-31-5)														
	W. Titanium, Total 7440-32-6)														6

Outfall 019 proposed impoundment that will not be constructed.

A CONCENTRATION CONCENTRAT		21110	0. 1141.	5. INTAKE (optional)	
PRESENT ARRENT CONCENTRATION 12 MASS CONCENTRATION 21 MASS		-	A. LONG TERM AVRG. VALUE		B. NO. OF
M. Animony, Total M. Animony, Total M. Animony, Total M. Cardua, Total M. Cardua, Total M. Cardua,	ALYSES TRATION	B. MASS	CONCENTRATION	(2) MASS	ANALYSES
2M. Assenc, Total 2M. Assenc, Total (7440-41-7) (7440-41-7) (7440-41-7) (7440-41-7) (7440-41-7) (7460-					
3M Beryllum, Total 4M Cadmum, Total 4M Cadmum, Total 4M Cadmum VI 18540-29-9) 4M Chromium VI 18540-29-9) 4M M Mercury, Total 4M Sentum, Total					
4M. Cadmium, Total (146065-83-1) (146065-83-1) (146065-83-1) (146062-9-9) (1463-29-9) (146					
1866-583-1) 1866-583-1) 1866-583-1) 1866-583-1) 1866-583-1) 1866-583-1) 1866-583-1) 1866-583-1) 18640-29-9) 186400-29-9) 186400-29-9) 186400-29-9) 186400-29-9) 186400-29-9) 186400-29-9) 186400-2					
M. Chromium VI 18540-23-9) M. Copper, Total 1440-50-8) M. Lead, Total 1438-97-6) M. Mercury, Total 1438-97-6) M. Mercury, Total 1440-22-4) M. Selenium, Total 1440-22-4) M. Zelenium, Total 1440-22-4) M. Zelenium, Total 1440-22-4) M. Zelenium, Total 1440-22-4) M. Zelenium, Total 1440-22-4) M. Pherros, Total 1440-22-4)					
M. Copper, Total 743-92-1) M. Mercury, Total 743-92-1) M. Mercury, Total 743-92-1) M. Mercury, Total 743-92-1) M. Selenium, Total 744-0-2-0) M. Siver, Total 744-0-2-0) M. Cyanide, Amenable to M. Cyanide, Amenable to M. Cyanide, Amenable to M. Chanitarion M. Pherois, Total ADIOACTIVITY Albita Total M. Enc. Total M. Enc. Total M. Seles Total					
M. Lead, Total A13.922-1) M. Macruy, Total A3.927-6) M. Nickel, Total A40.02.0) M. Nickel, Total A40.02.0, M. Silver, Total A40.02.0, M. Zhr., Total A40.02.0, M. Zhr., Total A40.02.0, M. Zhr., Total A40.02.0, M. Phenois, Total					1
M. Mercury, Total 4438-97-6) OM. Mickel, Total M. Selennum, Total 440-02-0, M. Tablium, Total 440-28-0, M. Zinc, Total 440-66-6) M. Phenois, Total 440-68-10 M. Phenois, Total					
0M. Nickel, Total 1440-02-0) 1M. Selenium, Total 1M. Selenium, Total 2M. Silver, Total 440-28-0; 3M. Thailtum, Total 440-28-0; 3M. Cyanide, Amenable to Min. Phenols, Total ADIOACTIVITY Alpha Total Redium Total					
1M. Selenium. Total 7782-49-2) 2M. Silver, Total 440-22-4) 3M. Thaillum, Total 440-28-0) 440-28-0) 3M. Cyanide, Amenable to hlorination 3M. Phenols, Total ADIOACTIVITY Alpha Total Redium Total					
2M. Silver, Total 440-22-4) 3M. Thalitum, Total 440-28-0) 3M. Zinc, Total 440-66-6) 3M. Cyanide, Amenable to hlorination 3M. Phenois, Total ADIOACTIVITY ADIOACTIVITY Radium Total					
3M. Thalitum, Total 440-28-0) 4M. Zinc, Total 440-66-6) 3M. Cyanide, Amenable to hlorination 3M. Phenols, Total ADIOACTIVITY ADIOACTIVITY Redium Total					
MM. Cyanide, Amenable to MM. Cyanide, Amenable to MM. Phenols. Totat ADIOACTIVITY Alpha Total Beta Total Radium Total					
Mi. Cyanide, Amenable to librariation. Mi. Phenols, Total ADIOACTIVITY Alpha Total Beta Total Radium Total					
M. Phenois. Totat ADIOACTIVITY Alpha Total Beta Total Radium Total					
ADIOACTIVITY) Alpha Total) Beta Total Radium Total					
Alpha Total Beta Total Radium Total					
) Beta Total Radium Total					
Radium Total					
(4) Radium 226 Total					

Outfall 019 proposed impoundment that will not be constructed.

FORM C TABLE 1 FOR 3.00 ITEM A AND B

OUTFALL NO 020

18/2016

Renev

PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details. INTAKE AND EFFLUENT CHARACTERISTICS

	THE PERSON NAMED IN COLUMN			2. EFFLUENT	<u></u>			3. UNITS (specify if blank)	ecify if blank)	NI 4	4. INTAKE (optional))
1. POLLUTANT	A. MAXIMUM DAILY VALUE	AILY VALUE	B. MAXIMUM 30 DAY VALUE (if available)	DAY VALUE	C. LONG TERM AVRG. VALUE (if available)	VVRG. VALUE	D. NO. OF	A. CONCEN-		A. LONG TERM AVRG. VALUE	RG. VALUE	B. NO. OF
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	H. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
A. Biochemical Oxygen Demand (BOD)												
B. Chemical Oxygen Demand (COD)											1	
C. Total organic Carbon (TOC)												
D. Total Suspended Solids (TSS)	248.0				55.5		10	a/gm				
E. Ammonia (as N)												
F. Flow	VALUE VALUE Precipitation Dependent	n Depend	value		VALUE					VALUE		
G. Temperature (winter)	VALUE		VALUE		VALUE			o. 0.9		VALUE		
H. Temperature (summer)	VALUE		VALUE		VALUE			26.3 °C		VALUE		
l, pH	7.13	MAXIMUM 8.75	MINIMUM	MAXIMUM			28	STANDARD UNITS	D UNITS			and the second

pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

	2. MARK "X"	"X" X			3.	3. EFFLUENT				4. UNITS	ITS	5. INTAKE (optional)	ional)	-
1. POLLUTANT AND CAS NUMBER	A	80 1	A. MAXIMUM DAILY VALUE	Y VALUE	B. MAXIMUM 30 DAY	AY VALUE	B. MAXIMUM 30 DAY VALUE C. LONG TERM AVRG. VALUE (If available)	RG. VALUE	D. NO. OF	D. NO. OF A. CONCEN-	O V M	A. LONG TERM AVRG. VALUE	-	
(if available)	PRESENT ABSENT		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	CONCENTRATION (2) MASS CONCENTRATION (2) MASS CONCENTRATION (2) MASS	(2) MASS	ANALYSES	TRATION	D. MASS	CONCENTRATION (2) MASS	ASS ANALYSES	co

4. Bromide	>					
(24959-67-9)	<					
B. Chlorine, Total Residual	×					
C. Color	×					
D. Fecal Coliform	×					
E. Fluoride (16984-48-8)	×					
F. Nitrate - Nitrate (as N)	×					
MO 780-1514 (06-13)			-			PAGF 6

* Believed present based on other nearby impoundment testing in January 2003, but not tested.

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August											STINIT 4		ZNI 9	5. INTAKE (optional)	
A			Y Y			.,	LLOEN								
	1. POLLUTANT AND CAS NUMBER				Y VALUE	B. MAXIMUM 30 D	AY VALUE	C. LONG TERM AV	1	D. NO. OF		B. MASS	A. LONG TERM AV	RG. VALUE	B. NO. OF
P. Total	(b) available			(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION		ANALYSES			CONCENTRATION	(2) MASS	ANALTSES
	G. Nitrogen, Total Organic (as N)		×												
X	H. Oil and Grease		×												
X	. Phosphorus (as P), Total (7723-14-0)		×												
	J. Sulfate (as SO ⁴) 14808-79-8)	×		68.7				40.3		4	mg/e				
	K. Sulfide (as S)		×												
X*	Sulfite (as SO³) (14265-45-3)		×												
X*	M. Surfactants		×												
X* X* X* X* X* X* X* X*	N. Aluminum, Total (7429-90-5)	*											e ve		
X* X x X x 25.6 tal X* x 0.194 x 0.1082 x 4 x X x X x X x X	 Barium, Total 7440-39-3) 	*×													
X	2. Boron, Total 7440-42-8)	*×													
Ial X* 5.162 10 Otal X Contract 10 Ial X 0.194 0.1082 4 X X X X X X X X X X	2. Cobalt, Total 7440-48-4)		×												
tal X* 0.194 0.1082 4 X	R. Iron, Total 7439-89-6)	×		25.6				5.162		10	a/gm	is N			
tal X 0.194 0.1082 4 X X X X X X X X X X X X X X X X X X	3. Magnesium, Total 7439-95-4)	*×													
X	. Molybdenum, Total 7439-98-7)		×												
	J. Manganese, Total 7439-96-5)	×		0.194				0.1082		4	mg/e				
	′. Tin, Total 7440-31-5)		×												
(0-30-044.)	W. Titanium, Total (7440-32-6)		×												

* Believed present based on other nearby impoundment testing in January 2013, but not tested.

Part		Z. MA	2. MARK "X"			3. El	3. EFFLUENT				4. UNITS	ITS	6. INT	5. INTAKE (optional)	
	1. POLLUTANT AND CAS NUMBER	A.		A. MAXIMUM DAILY	VALUE	B. MAXIMUM 30 DA	Y VALUE	C. LONG TERM AV	RG. VALUE	D. NO. 0F		200	A. LONG TERM AV		B. NO. OF
The presence of the presence o	(Dispulses of	PRESENT		(1) CONCENTRATION			(2) MASS	(1) CONCENTRATION		ANALYSES		0. MA33	CONCENTRATION	(2) MASS	ANALYSES
	METALS, AND TOTAL PHEN	IOLS													
	1M. Antimony, Total (7440-36-9)	*													
	2M. Arsenic, Total (7440-38-2)		×												
	3M. Beryllium, Total (7440-41-7)		×												
	4M. Cadmium, Total (7440-43-9)		×												
	5M. Chromium III (16065-83-1)	×													
	6M. Chromium VI (18540-29-9)		×												
	7M. Copper, Total (7440-50-8)	*×													
	8M. Lead, Total (7439-92-1)	×													
X* X* X* X* X* X* X* X*	9M. Mercury, Total (7439-97-6)		×												
tal	10M. Nickel, Total (7440-02-0)	*													
Salar X* X* X* X* X* X* X* X	11M. Selenium, Total (7782-49-2)	*			#										
tal	12M. Silver, Total (7440-22-4)		×												
X	13M. Thallium, Total (7440-28-0)	*×											-5		
X	14M. Zinc, Total (7440-66-6)	*													
× × × × × mgg	15M. Cyanide, Amenable to Chlorination		×												
× × × ×	16M. Phenols, Total		×												
× × × ×	RADIOACTIVITY	- 0													
× × ×	(1) Alpha Total		×												
x x	(2) Beta Total		×		100										
otal X	(3) Radium Total		×												
	(4) Radium 226 Total		×												

* Believed present based on other nearby impoundment testing in January 2003, but not tested.

FORM C TABLE 1 FOR 3.00 ITEM A AND B

8/2016

Renewa

										0	OUTFALL NO.	•
INTAKE AND EFFLUENT CHARACTERISTICS	NT CHARACT	ERISTICS									021	
PART A - You must provide the results of at least one analysis for every pollutant in this table	e results of at leas	t one analysis	for every pollutant in	this table. Co	ie. Complete one table for each outfall. See instructions for additional details.	each outfall. Ser	e instructions for a	idditional details.				
				2. EFFLUENT	L			3. UNITS (s)	3. UNITS (specify if blank)	LNI .4	4. INTAKE (optional)	
1. POLLUTANT	A. MAXIMUM DAILY VALUE	AILY VALUE	B. MAXIMUM 30 DAY VALUE (if available)	DAY VALUE	C. LONG TERM AVRG. VALUE	WRG. VALUE	ON CA	A CONCERN.		A. LONG TERM AVRG. VALUE	RG. VALUE	B. NO. OF
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	B. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
 A. Biochemical Oxygen Demand (BOD) 												
3. Chemical Oxygen Demand (COD)												
C. Total organic Carbon TOC)												
O. Total Suspended Solids TSS)												
as N)												
Flow	VALUE		VALUE		VALUE					VALUE		
3. Temperature winter)	VALUE		VALUE		VALUE				ç	VALUE		
1. Temperature (summer)	VALUE		VALUE		VALUE				့ ၁	VALUE		
Hd	MINIMUM	MAXIMUM	MINIMUM	MAXIMUM				STANDA	STANDARD UNITS			

PART 8 - Mark X in column 24 for each pollutant you know or have reason to believe is present. Mark X in column 28 for each pollutant you believe to be absent. If you mark column 24 for any pollutant, you must provide the results for at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

THE DESIGNATION OF THE PERSON	2. MA	2. MARK "X"			ri e	3. EFFLUENT				4. UNITS	SLIN	5. INTA	5. INTAKE (optional)	
1. POLLUTANT AND CAS NUMBER	A.	A. B. B.	A. MAXIMUM DAILY VALUE	r VALUE	B. MAXIMUM 30 DAY VALUE (If available)	AY VALUE	C. LONG TERM AVRG. VALUE (if available)	VRG. VALUE	D. NO. OF	A	0	A. LONG TERM AVRG. VALUE		B. NO. OF
	PRESENT	ABSENT	CONCENTRATION (2) MASS CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	CONCENTRATION (2) MASS	(2) MASS	ANALYSES		D. MASS	(1) (2) MASS		ANALYSES
CONVENTIONAL AND NONCONVENTIONAL POLLUTANTS	ONVENTIC	NAL POL	LUTANTS											
A. Bromide (24959-67-9)														
B. Chlorine, Total Residual														
C. Color														
D. Fecal Coliform														
E. Fluoride (16984-48-8)														
F. Nitrate - Nitrate (as N)														
MO 780-1514 (06-13)					-	-							Ad	PAGE 6

Outfall 021 flows thru Outfall 022.

Outfa												Renewa	8/2016	9
	2. MARK "X"	3K "X"			3.	3. EFFLUENT				4. UNITS	TS	5. INTA	5. INTAKE (optional)	
1. POLLUTANT AND CAS NUMBER			A. MAXIMUM DAILY VALUE	LY VALUE	B. MAXIMUM 30 DAY VALUE	DAY VALUE	C. LONG TERM AVRG. VALUE	/RG. VALUE	D. NO. OF	A. CONCEN-	8	A. LONG TERM AVRG. VALUE	RG. VALUE	B. NO. OF
(if available)	PRESENT	BELIEVED	O	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION		CONCENTRATION	(2) MASS	Allerian
G. Nitrogen, Total Organic (as N)														
H. Oil and Grease														
I. Phosphorus (as P), Total (7723-14-0)														
J. Sulfate (as SO ⁴) (14808-79-8)														
K. Sulfide (as S)		7												
L. Sulfite (as SO³) (14265-45-3)														
M. Surfactants														
N. Aluminum, Total (7429-90-5)														
O. Barium, Total (7440-39-3)														
P. Boron, Total (7440-42-8)														
Q. Cobalt, Total (7440-48-4)														
R. Iron, Total (7439-89-6)														
S. Magnesium, Total (7439-95-4)														
T. Molybdenum, Total (7439-98-7)			UP.											
1									10 M			100	_	

Outfall 021 flows thru Outfall 022.

U. Manganese, Total (7439-96-5) V. Tin, Total (7440-31-5)

W. Titanium, Total (7440-32-6) MO 780-1514 (06-13)

PAGE 7

POLITION STATE POLITICAL STATE POLITIC		2. MARK "X"	.x.,			3.	3. EFFLUENT				4. U	4. UNITS	9. IN.	5. INTAKE (optional)	
	1. POLLUTANT AND CAS NUMBER	A.	B 10		Y VALUE	B. MAXIMUM 30 C	AY VALUE	C. LONG TERM AV	RG. VALUE	D. NO. 0F	A. CONCEN-	-	A. LONG TERM A	100	B. NO. OF
		PRESENT	ABSENT		(2) MASS	CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION		(1) CONCENTRATION	(2) MASS	ANALYSES
	METALS, AND TOTAL PHE	NOLS													
Call	1M. Antimony, Total (7440-36-9)														
100 100	2M. Arsenic, Total (7440-38-2)														
and the state of t	3M. Beryllium, Total (7440-41-7)														
State of the control	4M. Cadmium, Total (7440-43-9)														
Table to the control of the control	5M. Chromium III (16065-83-1)			Transfer of the second											17
rematition of the control of the con	6M. Chromium VI (18540-29-9)														
	7M. Copper, Total (7440-50-8)														
enable to enable	8M. Lead, Total (7439-92-1)														
State	9M. Mercury, Total (7439-97-6)														
State	10M. Nickel, Total (7440-02-0)														
enable to	11M. Selenium, Total (7782-49-2)														
enable to Y Italia	12M. Silver, Total (7440-22-4)	5													
enable to Y A A A A A A A A A A A A	13M. Thallium, Total (7440-28-0)														
al	14M. Zinc, Total (7440-66-6)														
FEET	15M. Cyanide, Amenable to Chlorination														
	16M. Phenols, Total														
	RADIOACTIVITY														
	(1) Aipha Total														
tal	(2) Beta Total														
tal	(3) Radium Total														
	(4) Radium 226 Total														

Outfall 021 flows thru Outfall 022.

FORM C TABLE 1 FOR 3.00 ITEM A AND B

18/2016

Renev

OUTFALL NO 022 PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details. INTAKE AND EFFLUENT CHARACTERISTICS

				2. EFFLUENT	1			3. UNITS	3. UNITS (specify if blank)	4. IN	4. INTAKE (optional)	
1. POLLUTANT	A. MAXIMUM DAILY VALUE	AILY VALUE	B. MAXIMUM 30 DAY VALL (if available)	DAY VALUE	C. LONG TERM AVRG. VALUE (if available)	VRG. VALUE	D. NO. OF	A. CONCEN		A. LONG TERM AVRG. VALUE	VRG. VALUE	B. NO. OF
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	B. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
A. Biochemical Oxygen Demand (BOD)												
B. Chemical Oxygen Demand (COD)												
C. Total organic Carbon (TOC)												
D. Total Suspended Solids (TSS)	36.0				13.3		12	mg/e				
E. Ammonia (as N)	4.3									la l		
F. Flow	VALUE VALUE Precipitation Dependent	n Depende	value		VALUE					VALUE		
G. Temperature (winter)	VALUE	7.4	VALUE		VALUE			7.0	S.	VALUE		
H. Temperature (summer)	VALUE		VALUE		VALUE			27.9	٥,	VALUE		
- pH	MINIMUM 7.46	MAXIMUM 8.28	MINIMUM	MAXIMUM			24	STAN	STANDARD UNITS			

PART B - Mark X" in column 2A for each pollutant you know or have reason to believe is present. Mark "X" in column 2B for each pollutant you believe to be absent. If you mark column 2A for any pollutant, you must provide the results for at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

1. POLLUTANT AND CAS NUMBER (If available) PRESENT ABSENT CONCENTRATION (2) MASS CONCENTRATION (3) MASS CONCENTRATION (4) MASS CONCENTRATION (5) MASS CONCENTRATION (6) MASS CONCENTRATION (7) MASS CONCENTRAT		2. MA	2. MARK "X"		6	3. EFFLUENT				4. UNITS	ITS	S. INTA	5. INTAKE (optional)	
PRESENT ABSENT CONCENTRATION (2) MASS CONCENTRATION (3) MASS CONCENTRATION (4) MASS CONCENTRATION (5) MASS CONCENTRATION (5) MASS CONCENTRATION (6) MASS CONCENTRATION (7) MASS CONCENT	1. POLLUTANT AND CAS NUMBER	A.	B.	Y VALUE	B. MAXIMUM 30 D	AY VALUE	C. LONG TERM AVR	RG. VALUE	D. NO. OF	A. CONCEN-	NA CO	A. LONG TERM AVRG. VALUE		
	(ii available)	PRESENT	ABSENT	 (2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION		CONCENTRATION (2) MASS A	(2) MASS	ANALYSES

	The state of the s	The state of the s	 The same of the sa	The state of the s	-	
A. Bromide (24959-67-9)	×					
B. Chlorine, Total Residual	×					
C. Color	×					
D. Fecal Coliform	×					i i
E. Fluoride (16984-48-8)	×					
F. Nitrate - Nitrate (as N)	×					
MO 780-1514 (06-13)						PAGE 6

* Believed present based on other nearby impoundment testing in January 2003, but not tested.

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C	

Renew:

A	2					The second secon							1	1	
A		2. MAI	RK "X"			ъ.	FFLUENT				4. UNI	TS	ATNI .8	AKE (optional)	
Particular Par	1. POLLUTANT AND CAS NUMBER	Ą			Y VALUE	B. MAXIMUM 30 D	AY VALUE	C. LONG TERM AV	RG. VALUE	D. NO. OF	A. CONCEN-	R MASS	A. LONG TERM AV	-	B. NO. OF
Total Organic X	(if available)	PRESENT		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION		CONCENTRATION	100	ANALYSES
X	G. Nitrogen, Total Organic (as N)		×												
X	H. Oil and Grease		×												
X	. Phosphorus (as P), Total (7723-14-0)		×												
X	J. Sulfate (as SO ⁴) (14808-79-8)	×		62.0				38.1		4	mg/e				
	K. Sulfide (as S)		×												
X*	L. Sulfite (as SO³) (14265-45-3)		×												
X* X* X* X* X* X* X* X*	M. Surfactants		×												
X* X* <td< td=""><td>N. Aluminum, Total (7429-90-5)</td><td>*</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>	N. Aluminum, Total (7429-90-5)	*													
X* X 8.42 1.531 12 mg/e 1.531 12 mg/e 1.531	 Barium, Total 7440-39-3) 	*													
X	⁵ . Boron, Total 7440-42-8)	*×													
X* 8.42 1.531 12 mg/t ral X* 0.0744 0.039 4 mg/t ral X 0.039 4 mg/t 0 x X X 0.039 4 0 0	2. Cobalt, Total 7440-48-4)		×				H			- 0.					
tal X* Constant Consta	R. Iron, Total 7439-89-6)	×		8.42				1.531		12	mg/e				
otal X 0.0744 0.039 4 mg/lc x X	S. Magnesium, Total 7439-95-4)	*×					7 50								
tal X 0.0744 0.039 4 mg/lc X	. Molybdenum, Total 7439-98-7)		×												
××	J. Manganese, Total 7439-96-5)	×		0.0744				0.039		4	mg/e				
×	′, Tin, Total 7440-31-5)		×												
	N. Titanium, Total 7440-32-6)		×												0000

* Believed present based on other nearby impoundment testing in January 2003, but not tested.

1. POLLUTANT	2. MA	2. MARK "X"		3. EFFLUENT	1		4. UNITS	NITS	6. INTA	6. INTAKE (optional)	
In available	Ą		A. MAXIMUM DAILY VALUE	B, MAXIMUM 30 DAY VALUE	JE C. LONG TERM AVRG. VALUE	CN	ON O		A. LONG TERM AVRG. VALUE		• CN
METALS AND TOTAL DISEASE	PRESENT	ABSENT	(1) (2) MASS	O	-	ANALYSES	TRATION	B. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
AM Antimos Tabl	NOLS										
(7440-36-9)	*×										
2M. Arsenic, Total (7440-38-2)		×									
3M. Beryllium, Total (7440-41-7)		×									
4M. Cadmium, Total (7440-43-9)		×									
5M. Chromium III (16065-83-1)	*										
6M. Chromium VI (18540-29-9)		×									
7M. Copper, Total (7440-50-8)	×										
8M. Lead, Total (7439-92-1)	*							JE-			
9M. Mercury, Total (7439-97-6)		×									
10M. Nickel, Total (7440-02-0)	*										
11M. Selenium, Total (7782-49-2)	*										
12M. Silver, Total (7440-22-4)		×									
13M. Thallium, Total (7440-28-0)	*										
14M. Zinc, Total (7440-66-6)	*										
15M. Cyanide, Amenable to Chlorination		×									
16M. Phenols, Total		×									
RADIOACTIVITY											
(1) Alpha Total		×									
(2) Beta Total		×									
(3) Radium Total		×									
(4) Radium 226 Total		×							78.7		

* Believed present based on other nearby impoundment testing in January 2003, but not tested.

Renewa FORM C TABLE 1 FOR 3.00 ITEM A AND B

8/2016

TAKE AND FIFE LIFE	TOTAL									0	OUTFALL NO.	
IN TARE AND EFFECIENT CHARACTERISTICS	CHARACI	ERISTICS						The Alexander			023	
PART A - You must provide the results of at least one analysis for every pollutant in this table.	e results of at leas	t one analysis	s for every pollutant is	n this table. C	Complete one table for each outfall. See instructions for additional details.	each outfall. Se	e instructions for a	idditional details.				
				2. EFFLUENT	-			3. UNITS (SE	3. UNITS (specify if blank)	NI 4	4. INTAKE (optional)	
1. POLLUTANT	A. MAXIMUM DAILY VALUE	AILY VALUE	B. MAXIMUM 30 DAY VALUE (If evailable)	DAY VALUE	C. LONG TERM AVRG. VALUE (if available)	AVRG. VALUE	ON OF	A CONCEN.		A. LONG TERM AVRG. VALUE	RG. VALUE	NO ON
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	B. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
A. Biochemical Oxygen Demand (BOD)												
B. Chemical Oxygen Demand (COD)												
C. Total organic Carbon (TOC)									T'			
D. Total Suspended Solids (TSS)												
E. Ammonia (as N)												
F. Flow	VALUE Precipitation Dependent	Depend	value		VALUE					VALUE		
G. Temperature (winter)	VALUE		VALUE		VALUE			. 0.7	ů	VALUE		
H. Temperature (summer)	VALUE		VALUE		VALUE			27.9	၁့	VALUE		
L pH	MINIMUM 7.87	MAXIMUM 8 29	MINIMUM	MAXIMUM			2	STANDA	STANDARD UNITS			

PART B – Mark "X" in column 2A for each pollutant you know or have reason to believe is present. Mark "X" in column 2B for each pollutant you believe to be absent. If you mark column 2A for any pollutant, you must provide the results for at least one analysis for that pollutant.

	2. MARK "X"	"X" X			3.	3. EFFLUENT				4. U	4. UNITS	S. INTA	5. INTAKE (optional)	
1. POLLUTANT AND CAS NUMBER	A.	B. 69.	A. MAXIMUM DAILY VALUE	Y VALUE	B. MAXIMUM 30 DAY VALUE (if available)	AY VALUE	C. LONG TERM AVRG. VALUE	VRG. VALUE	D. NO. OF	A. CONCEN-		A. LONG TERM AVRG. VALUE	RG. VALUE	B. NO. OF
(algebra)	PRESENT	ABSENT	(1) CONCENTRATION	(2) MASS	CONCENTRATION (2) MASS CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	B. MASS	(1) (2) MASS	(2) MASS	ANALYSES
CONVENTIONAL AND NONCONVENTIONAL POLLUTANTS	CONVENTION	VAL POL	LUTANTS											
A. Bromide (24959-67-9)		×												
B. Chlorine, Total Residual		×												
C. Color		×												
D. Fecal Coliform		×											1 N N N	
E. Fluoride (16984-48-8)		×												
F. Nitrate - Nitrate (as N)		×												à
MO 780-1514 (06-13)														PAGE 6

-	18/2016	
-	Renew	
d	m	

2 Mark Table A Machine A)							
A		2. MAI	RK "X"			ę	EFFLUENT			4. UN	ITS	5. INT	AKE (optional)	
Participation Participatio	1. POLLUTANT AND CAS NUMBER	Ą	œi		Y VALUE	B. MAXIMUM 30 D	AY VALUE	C. LONG TERM AV	D. NO. OF	A. CONCEN-	200	A. LONG TERM AV	Man I	B. NO. OF
Organic X	(if available)	PRESENT	ABSENT	_		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	ANALYSES	TRATION	200	(1) CONCENTRATION	(2) MASS	ANALYSES
	G. Nitrogen, Total Organic (as N)		×											
x x x x x x x x x x x x x x x x x x x	H. Oil and Grease		×											
	. Phosphorus (as P), Total (7723-14-0)		×											
	J. Sulfate (as SO ⁴) (14808-79-8)	×												
	Sulfide (as S)		×											
	Sulfite (as SO³) (14265-45-3)		×									A.		
	 Surfactants 		×											
	V. Aluminum, Total (7429-90-5)	*												
X	 Barium, Total 7440-39-3) 	**												
X	P. Boron, Total 7440-42-8)	*												
X* X* X* X* X* X* X* X*	 Cobalt, Total 7440-48-4) 		×			N. S. S.		on the state of th		=				
Ital X* <	 Iron, Total 7439-89-6) 	*						To the second						
X	5. Magnesium, Total 7439-95-4)	*×												
*X *X FE	. Molybdenum, Total 7439-98-7)	7	×											
* *	J. Manganese, Total 7439-96-5)	*×												
×	7440-31-5)		×											
	W. Titanium, Total (7440-32-6)		×											

* Believed present based on other nearby impoundment testing in January 2003, but not tested.

	2. MA	MARK "X"			F .	3 FFFI IIENT				4. U	4. UNITS	S. INT	5. INTAKE (optional)	
1. POLLLITANT					9	LLUENI				i			included and	
AND CAS NUMBER	A. BELIEVED	B. BELIEVED	A. MAXIMUM DAILY VALUE	Y VALUE	B. MAXIMUM 30 DAY VALUE (if available)	AY VALUE	C. LONG TERM AVRG. VALUE (if available)	/RG. VALUE	D. NO. OF	A. CONCEN-	8	A. LONG TERM AVRG. VALUE		B. NO. OF
	PRESENT		CONCENTRATION (2) MASS		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION		CONCENTRATION	(2) MASS	ANALYSES
METALS, AND TOTAL PHENOLS	NOLS			1										
1M. Antimony, Total (7440-36-9)	*							int.						
2M. Arsenic, Total (7440-38-2)		×												
3M. Beryllium, Total (7440-41-7)		×												
4M. Cadmlum, Total (7440-43-9)		×												
5M. Chromium III (16065-83-1)	*×													
6M. Chromium VI (18540-29-9)		×							All					
7M. Copper, Total (7440-50-8)	*											Bil		
8M. Lead, Total (7439-92-1)	*						- X			Stant.				
9M. Mercury, Total (7439-97-6)		×												
10M. Nickel, Total (7440-02-0)	*													
11M. Selenium, Total (7782-49-2)	*													
12M. Silver, Total (7440-22-4)		×												
13M. Thailium. Total (7440-28-0)	×													
14M. Zinc, Total (7440-66-6)	*×													
15M. Cyanide, Amenable to Chlorination		×												
16M. Phenols, Total		×												
RADIOACTIVITY														
(1) Alpha Total		×												
(2) Beta Total		×												
(3) Radium Total		×												
(4) Radium 226 Total		×												

* Believed present based on other nearby impoundment testing in January 2003, but not tested.

FORM C
TABLE 1 FOR 3.00 ITEM A AND B

8/2016

Renew!

L Comment										ŏ	OUTFALL NO.	•
INTARE AND EFFLUENT CHARACTERISTICS	NI CHARACI	ERISTICS									024	
PART A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.	e results of at least	t one analysis	for every pollutant in	this table. C	omplete one table for a	each outfall. See	instructions for	additional details.				
				2. EFFLUENT	1			3. UNITS (specify if blank)	cify if blank)	4. INT	4. INTAKE (optional)	
1. POLLUTANT	A. MAXIMUM DAILY VALUE	ALY VALUE	B. MAXIMUM 30 DAY VALUE (if available)	DAY VALUE	C. LONG TERM AVRG. VALUE (if available)	WRG. VALUE	ON CO	A CONCEN.		A. LONG TERM AVRG. VALUE	RG. VALUE	B. NO. OF
	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(Z) MASS	ANALYSES	TRATION	B. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
A. Biochemical Oxygen Demand (BOD)												
B. Chemical Oxygen Demand (COD)												
C. Total organic Carbon (TOC)												
D. Total Suspended Solids (TSS)											3	
E. Ammonia (as N)												
F. Flow	Precipitation Dependent	Depende	value		VALUE					VALUE		
G. Temperature (winter)	VALUE		VALUE		VALUE		- D	ပ္စ		VALUE		
H. Temperature (summer)	VALUE		VALUE		VALUE			29.3 °C		VALUE	1	
I. pH	MINIMUM 8.08	MAXIMUM 8.35	MINIMUM	MAXIMUM			က	STANDARD UNITS	STINUC			

PART B - Mark X in column 2A for each pollutant you know or have reason to believe is present. Mark "X" in column 2B for each pollutant you believe to be absent. If you mark column 2A for any pollutant, you must provide the results for at least one analysis for that pollutant. 8.35

	2. MARK "X"	"X" X			É	3. EFFLUENT				4. UNITS	ITS	S. INTA	5. INTAKE (optional)	
1. POLLUTANT AND CAS NUMBER	A.	B. B.	A. MAXIMUM DAILY VALUE	Y VALUE	B. MAXIMUM 30 DAY VALUE (if available)	AY VALUE	C. LONG TERM AVRG. VALUE	IRG. VALUE	D. NO. OF			A. LONG TERM AVRG. VALUE	RG. VALUE	B. NO. OF
farming at	PRESENT	ABSENT	(1) CONCENTRATION	(2) MASS	CONCENTRATION (2) MASS CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	B. MASS	(1) (2) MASS	(2) MASS	ANALYSES
CONVENTIONAL AND NONCONVENTIONAL POLLUTANTS	ONVENTIO	NAL POL	LUTANTS											
A. Bromide (24959-67-9)		×												
B. Chlorine, Total Residual		×												
C. Color		×												
D. Fecal Coliform		×												
E. Fluoride (16984-48-8)		×												
F. Nitrate - Nitrate (as N)		>												

* Believed present based on other nearby impoundment testing in January 2003, but not tested.

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	2. MAI	2. MARK "X"			Б	3. EFFLUENT				4. UNITS	ITS	FNI .6	5. INTAKE (optional)	•
AND CAS NUMBER	4	oi s	A. MAXIMUM DAILY VALUE	VALUE	B. MAXIMUM 30 DAY	UM 30 DAY VALUE	C. LONG TERM AVRG. VALUE		D. NO. OF	A. CONCEN-	200	A. LONG TERM AVRG. VALUE		B. NO. OF
(ii) available)	PRESENT	ABSENT	(1) CONCENTRATION	(2) MASS	CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION		(1) CONCENTRATION	(2) MASS	ANALYSE
G. Nitrogen, Total Organic (as N)		×												
H. Oil and Grease		×												
. Phosphorus (as P), Total (7723-14-0)		×												
J. Sulfate (as SO ⁴) (14808-79-8)	*													
K. Sulfide (as S)		×										per o		
L. Sulfite (as SO³) (14265-45-3)		×												
M. Surfactants		×	100											
N. Aluminum, Total (7429-90-5)	**													
O. Barium, Total (7440-39-3)	*		n.											
P. Boron, Total (7440-42-8)	*×													
Q. Cobalt, Total (7440-48-4)		×												
R. Iron, Total (7439-89-6)	*													
S. Magnesium, Total (7439-95-4)	*													
T. Molybdenum, Total (7439-98-7)		×												
U. Manganese, Total (7439-96-5)	*×													
V. Tin, Total (7440-31-5)		×												
W. Titanium, Total (7440-32-6)		×												3

* Believed present based on other nearby impoundment testing in January 2003, but not tested.

1. POLLITARY 2. MARK 'X" 3. EFFLENT 3. EFFLENT 3. MARK 'X" 3. EFFLENT 3. MARK 'X" 3. EFFLENT 3. MARK 'X" 3. MAK 'X" 3. MAKK 'X" 3.		
National Security Security	4. UNITS	5. INTAKE (optional)
Selection Sele	C. LONG TERM AVRG, VALUE D. NO. OF A. CONCEN.	A. LONG TERM AVRG. VALUE B. NO. OF
* * * * * * * * * * * * * * * * * * *	ANALYSES TRATION	CONCENTRATION (2) MASS
* * * * * * *		
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* * *		
* *		
* *		
*		
(2) Beta Total X		
(3) Radium Total X		
(4) Radium 226 Total X		

* Believed present based on other nearby impoundment testing in January 2003, but not tested.

OUTFALL NO. 025

18/2016

Renew FORM C TABLE 1 FOR 3.00 ITEM A AND B

INTAKE AND EFFLUENT CHARACTERISTICS

PART A - You must provide the results of at least one analysis for every

	1. POLLUTANT	CONCEN	A. Biochemical Oxygen Demand (BOD)	B. Chemical Oxygen Demand (COD)	C. Total organic Carbon (TOC)	D. Total Suspended Solids (TSS)	E. Ammonia (as N)	F. Flow Precip	G. Temperature VALUE (winter)	H. Temperature (summer)	MINIMUM 1
	A. MAXIMUM DAILY VALUE	CONCENTRATION (2) MASS				102		Precipitation Dependent			MAXIMUM
								ndent	VALUE	VALUE	MINIMUM
	B. MAXIMUM 30 DAY VALUE (if evailable)	(1) CONCENTRATION									
2. EFFLUENT	AY VALUE	(2) MASS									MAXIMUM
_	C. LONG TERM AVRG. VALUE (if available)	(1) CONCENTRATION				20.14		VALUE	VALUE	VALUE	
	AVRG. VALUE	(Z) MASS						Sec. of the			
	ON O	ANALYSES				14					19
3. UNITS (specify if blank)	A CONCEN.	TRATION				a/gm			ů	26.3 °c	STANDARD UNITS
ecify if blank)		B. MASS				1					D UNITS
4. IN	A. LONG TERM AVRG. VALUE	(1) CONCENTRATION						VALUE	VALUE	VALUE	
4. INTAKE (optional)	IRG. VALUE	(2) MASS									
	NO OF	ANALYSES		7							

PART B - Mark "X" in column 2A for each pollutant you know or have reason to believe is present. Mark "X" in column 2B for each pollutant you believe to be absent. If you mark column 2A for any pollutant, you must provide the results for at least one analysis for that pollutant. Complete one table for each outfall. See the instructions for additional details and requirements.

The same of the sa	2. MA	2. MARK "X"			e,	3. EFFLUENT				4. UNITS	STIS	S. INTAR	5. INTAKE (optional)	
1. POLLUTANT AND CAS NUMBER	A. HELIEVED	B. B.	A, MAXIMUM DAILY VALUE		B. MAXIMUM 30 DAY VALUE (if available)	AY VALUE	C. LONG TERM AVRG. VALUE	RG. VALUE	D. NO. OF	A. CONCEN-		A. LONG TERM AVRG. VALUE	RG. VALUE	B. NO. OF
	PRESENT	ABSENT	CONCENTRATION (2) MASS CONCENTRATION	MASS	(1) CONCENTRATION	(2) MASS	(1) (2) MASS	(2) MASS	ANALYSES	TRATION	B. MASS	CONCENTRATION (2) MASS	(2) MASS	ANALYSES
CONVENTIONAL AND NONCONVENTIONAL POLLUTANTS	ONVENTIC	NAL POL	LUTANTS											
A. Bromide (24959-67-9)		×												
B. Chlorine, Total Residual		×												
C. Color		×												
D. Fecal Coliform		×												

* Believed present based on other nearby impoundment testing in January 2003, but not tested.

×

×

F. Nitrate - Nitrate (as N)

(16984-48-8) E. Fluoride

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	2. MAI	2. MARK "X"			3. E	3. EFFLUENT				4. UNITS	TS	S. INTA	5. INTAKE (optional)	
1. POLLUTANT AND CAS NUMBER	ď		A. MAXIMUM DAILY VALUE	Y VALUE	B. MAXIMUM 30 DAY VALUE (if available)	AY VALUE	C. LONG TERM AVRG. VALUE	RG. VALUE	D. NO. OF	1	000	A. LONG TERM AVRG. VALUE		B. NO. OF
(if available)	PRESENT	ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	B. MASS	(1) CONCENTRATION	(2) MASS	ANALYSE
G. Nitrogen, Total Organic (as N)		×												
H. Oil and Grease		×												
I. Phosphorus (as P), Total (7723-14-0)		×											1	
J. Sulfate (as SO ⁴) (14808-79-8)	*×													
K. Sulfide (as S)		×												
L. Sulfite (as SO ³) (14265-45-3)		×												
M. Surfactants		×												
N. Aluminum, Total (7429-90-5)	*													
O. Barium, Total (7440-39-3)	*													
P. Boron, Total (7440-42-8)	*													
Q. Cobalt, Total (7440-48-4)		×				178								
R. Iron, Total (7439-89-6)	×		9.15				1.91		14	a/gm				
S. Magnesium, Total (7439-95-4)	*													
T. Molybdenum, Total (7439-98-7)		×												
U. Manganese, Total(7439-96-5)	*×													
V. Tín, Total (7440-31-5)		×												
W. Titanium, Total		×												

* Believed present based on other nearby impoundment testing in January 2003, but not tested.

TAL PHENOLS X* X* X* X* X* X* X* X* X* X	A. MAXIMUM DAILY VALUE CONCENTRATION (2) MASS	B. MAXIMUM 30 DAY VALUE (if available) (1) CONCENTRATION (2) MASS	C. LONG TERM AVRG. VALUE				A. LONG TERM AVRG. VALUE	100	
Y		23.65			A. CONCEN-	D MACC	TO SECURITION OF		B. NO. OF
*			CONCENTRATION (2) N	(2) MASS ANALYSES		D. MIASS	(1) CONCENTRATION	(2) MASS	ANALYSES
* * * * * *									
* * * *									
* * * *									
* * * *									
* * * *									
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* * *									
* * *									
* *									
* *									
*									
13M. Thallium, Total X*					IF AND ADDRESS OF THE PARTY OF		1 A		
14M. Zinc, Total X*									
15M. Cyanide, Amenable to X			, v						
16M. Phenois, Total									
RADIOACTIVITY									
(1) Alpha Total X									
(2) Beta Total X									
(3) Radium Total									
(4) Radium 226 Total									

MO 780-1514 (06-13)
* Believed present based on other nearby impoundment testing in January 2003, but not tested.