

**AUTHORIZATION TO DISCHARGE UNDER
THE OKLAHOMA POLLUTANT DISCHARGE ELIMINATION SYSTEM**

**PERMIT NUMBER: OK0100773
ID NUMBER: I-63000370**

In compliance with the Oklahoma Pollutant Discharge Elimination System (OPDES) Act, 27A O.S. § 2-6-201 *et seq.*, Oklahoma Uniform Environmental Permitting Act, 27A O.S. § 2-14-101 *et seq.*, and the rules of the Oklahoma Department of Environmental Quality promulgated thereunder,

BFI Waste Systems-Canadian Valley Landfill
1741 N. Portland
Newcastle, OK 73065

is authorized to discharge from their facility, located in the:

SW¼, SW¼, SW¼, Section 8, Township 10N, Range 5EIM
Pottawatomie County, Oklahoma
or at 48210 East Independence Street, Earlsboro, OK 74840

to receiving waters identified as: unnamed pond, stream segment 520510, which drains to an unnamed tributary to the North Canadian River which flows to the North Canadian River (Water Body ID OK520510000110_10), in Pottawatomie County, Oklahoma

from: Outfall 001:

Latitude N 35.353582°, Longitude 96.801978° (GPS: NAD83)
NW¼, NE¼, SW¼, Section 8, Township 10N, Range 5EIM,
Pottawatomie County, Oklahoma

in accordance with effluent limitations, monitoring requirements, and other conditions set forth in Parts I, II, and III, hereof.

Issuance of this permit in no way or in any respect affects the permittee's civil or criminal responsibility regarding disposal and/or discharges of wastewater, except with respect to the permittee's legal responsibility under the OPDES Act and Department Rules.

This permit replaces and supersedes the previous permit issued on December 10, 2020.

The issuance date of this permit is _____.

This permit shall become effective _____.

This permit and authorization to discharge shall expire at midnight _____.

For the Oklahoma Department of Environmental Quality:

Carol Paden, P.E., Manager
Industrial Permits Section
Water Quality Division

George Russell IV, Director
Water Quality Division

PART I
EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

SECTION A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

Outfall 001

Limitations, Reporting Requirements and Monitoring

During the period beginning on the effective date and lasting through the expiration date, the permittee is authorized to discharge from Outfall 001. The discharge will consist of treated landfill leachate and stormwater.

Such discharge shall be limited and monitored by the permittee as specified below:

Effluent Limitations – Outfall 001

PARAMETERS	DISCHARGE LIMITATIONS			
	MASS LOADING LIMITS (lbs/day unless otherwise specified)		CONCENTRATION LIMITS (mg/L unless otherwise specified)	
	MONTHLY AVERAGE	DAILY MAXIMUM	MONTHLY AVERAGE	DAILY MAXIMUM
Flow STORET: 50050	Report (mgd)	Report (mgd)	---	---
BOD ₅ STORET: 00310	---	---	37	140
Total Suspended Solids (TSS) STORET: 00530	---	---	27	88
Ammonia (as N) STORET: 00610	---	---	4.9	10
a-Terpineol STORET: 77493	---	---	0.016	0.033
Benzoic Acid STORET: 77247	---	---	0.071	0.12
p-Cresol STORET: 77146	---	---	0.014	0.025
Phenol STORET: 34694	---	---	0.015	0.026
Zinc, total STORET: 01092	---	---	0.11	0.20
pH STORET: 00400	6.5 – 9.0 s.u.			

Monitoring Requirements – Outfall 001

PARAMETERS	MEASUREMENT FREQUENCY *	SAMPLE TYPE
Flow	1/week	Estimate
BOD ₅	1/month	Grab
Total Suspended Solids (TSS)	1/month	Grab
Ammonia (as N)	1/month	Grab
a-Terpineol	1/month	Grab
Benzoic Acid	1/month	Grab
p-Cresol	1/month	Grab
Phenol	1/month	Grab
Zinc, total	1/month	Grab
pH	1/month	Grab

* When discharging.

NOTE: See Parts II and III for Additional Requirements.

There shall be no discharge of a visible sheen of oil or globules of oil or grease on or in the water. Oil and grease shall not be present in quantities that adhere to stream banks and coat bottoms of watercourses.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

The discharge shall not contain chemical, physical, or biological substances in concentrations that are irritating to skin or sense organs or are toxic or cause illness upon ingestion by human beings.

Samples for Outfall 001 taken in compliance with the monitoring requirements specified above shall be taken at the following location:

Outfall 001: At the sampling port on the discharge pipe going into the unnamed pond, NW¼, NE¼, SW¼, Section 8, Township 10N, Range 5E1M, Pottawatomie County, Oklahoma, or at Latitude 35.353333° N, Longitude 96.800833° W (GPS: NAD83).

SECTION B. SCHEDULE OF COMPLIANCE

The permittee shall achieve compliance with the effluent limitations specified for discharges in accordance with the following schedule: None.

SECTION C. REPORTING OF MONITORING RESULTS

Monitoring results shall be reported in accordance with the provisions of Part III, Section E(4) of the permit. Monitoring results obtained during the previous month shall be summarized and electronically reported on an electronic Discharge Monitoring Report (eDMR) form due to the Oklahoma Department of Environmental Quality, Water Quality Division, Wastewater Compliance Tracking Section no later than the 15th day of the month following the completed monthly test. If no discharge occurs during the reporting period, an eDMR form stating "No Discharge" shall be electronically submitted according to the above schedule. Instructions on how to register as a "Preparer" or "Signatory" for eDMRs, as well as how to prepare and submit eDMRs, can be found on DEQ's website at <https://oklahoma.gov/deq/divisions/water-quality/wastewater-stormwater/electronic-reporting.html>. Assistance is also available by contacting DEQ at (405) 702-8100 or deqreporting@deq.ok.gov.

The first report is due on _____.

PART II OTHER PERMIT REQUIREMENTS

A. REGULATORY NOTICE

The permittee is hereby given notice that this permit is in all respects subject to compliance with and actions under any and all applicable and relevant terms, conditions, provisions and requirements, and any and all amendments of the laws of the state of Oklahoma, the rules of the Oklahoma Department of Environmental Quality, and Oklahoma's Water Quality Standards. The absence of any express reference within this permit of any particular statutory requirement, rule(s), regulation(s), or standard(s) shall in no respect be deemed or construed to exempt or preclude the application of such requirement, rule(s), regulation(s), or standard(s) to this permit or the permittee. By the Director's approval, grant and issuance of this permit, permittee acknowledges receipt of true, correct, and current copies of Oklahoma's Water Quality Standards, and the rules of the Oklahoma Department of Environmental Quality.

B. REOPENER CLAUSE

This permit may be reopened for modification or revocation and reissuance to require additional monitoring and/or effluent limitations where actual or potential exceedances of state water quality criteria are determined to be the result of the permittee's discharge to the receiving water(s), or a Total Maximum Daily Load is established for the receiving stream(s), or when required as technology advances. Modification or revocation and reissuance of the permit shall follow regulations listed at 40 C.F.R. § 124.5.

C. LABORATORY ACCREDITATION

All laboratory analyses for the parameters specified in this permit must be performed by a laboratory accredited by the Oklahoma Department of Environmental Quality for those parameters.

D. ANALYTICAL REQUIREMENTS

Unless otherwise specified in this permit, effluent and/or upstream monitoring shall be conducted according to analytical, apparatus and materials, sample collection, preservation, handling, etc., procedures listed in 40 C.F.R. Part 136. Appendices A, B, and C to 40 C.F.R. Part 136 are specifically referenced as part of this requirement. Amendments to 40 C.F.R. Part 136 promulgated and incorporated by reference in OAC 252:606-1-3(b)(7) after the effective date of this permit shall supersede these requirements as applicable.

E. MINIMUM QUANTIFICATION LEVEL (MQL)

If any individual analytical test result taken for compliance with this permit is less than the corresponding minimum quantification level listed in OAC 252:606 Appendix H, a value of zero (0) may be used for that individual result for the DMR calculations and reporting requirements.

The following table lists minimum quantification levels to be used for the corresponding listed pollutants. If any individual analytical test result taken for compliance with this permit is less than the corresponding minimum quantification level listed in the following table, a value of zero (0) may be used for that individual result for the DMR calculations and reporting requirements.

POLLUTANT	MINIMUM QUANTIFICATION LEVEL
BOD ₅	2 mg/L
NH ₃ -N	0.1 mg/L
Total Suspended Solids (TSS)	1 mg/L

F. SURFACE IMPOUNDMENT REQUIREMENTS

Not applicable

G. LAND APPLICATION

Not Applicable

H. OTHER DISPOSAL METHODS

Solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of wastewater shall be disposed of at a state approved industrial waste disposal site or to a company for recycling.

If any such industrial wastes are removed from the facility, the permittee shall keep accurate records which include the following information:

- a. Name and address of company hauling waste;
- b. The type and amount of waste hauled; and
- c. The final disposal site of waste hauled.

Upon request, the above records shall be made available to the staff of DEQ for inspection, review, and copying.

