



SCOTT A. THOMPSON
Executive Director

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

KEVIN STITT
Governor

April 8, 2019

Mr. Troy Duke, Director, Solid Waste Services
SORL Landfill
P.O. Box 1088
Ardmore, Oklahoma 73402

Re: Draft Tier III Solid Waste Permit Modification
SORL Landfill
Carter County
Permit Number 3510007

Dear Mr. Duke:

The Oklahoma Department of Environmental Quality (DEQ) has completed the review of the above referenced Tier III application and found it to be administratively and technically complete. DEQ has completed the Draft Solid Waste Permit Modification and a copy is enclosed with this letter.

The Tier III application was received on April 30, 2018. The application was published in the Ardmoreite on May 08, 2018 and proof of publication was provided to DEQ on May 14, 2018 in accordance with Oklahoma Administrative Code (OAC) 252:04-7-13(d). An administrative completeness review letter was issued on July 5, 2018 and a technical Notice of Deficiency (NOD) was issued on November 05, 2018. The response to the NOD (Response) was received on December 14, 2018. At this time, all items of the NOD have been resolved.

The next step in the permitting process is public notice of the Draft Solid Waste Permit Modification, providing the opportunity for public comment on the application and Draft Permit Modification and/or to request a public meeting as required by 27A O.S. Sec. 2-14-303.

Please prepare and submit a draft Public Notice to DEQ for review and approval. Enclosed is a copy of the suggested format for a Public Notice. Please note that prior to publication of the Notice, the Draft Solid Waste Permit and the Application (including the NOD and Response) must be placed in a public facility referenced in the Public Notice for review by members of the public.

If you have any questions please contact Martha Grafton of my staff at (405) 702-5144.

Sincerely,

A handwritten signature in black ink, appearing to read 'Hillary Young', is written over the typed name.

Hillary Young, P.E.
Chief Engineer
Land Protection Division

HY/mg

Enclosures



DRAFT SOLID WASTE PERMIT MODIFICATION

The Oklahoma Department of Environmental Quality (DEQ) hereby approves the following permit modification:

Permit Number: 3510007

Facility: Southern Oklahoma Regional Disposal (SOR) Landfill

Facility Type: Municipal Solid Waste Landfill

County: Carter County

Modification: Lateral expansion that will increase the permit boundary from 120 acres to 200 acres, revise previously permitted base grade designs for Cells 3-6, establish base grade designs for the new area and permit a leachate storage impoundment. Current waste disposal area consists of 65.84 acres of which 43.2 acres have been developed with pre-Subtitle D liner and 22.64 acres with Subtitle D composite liner. Cell 3 will be 16.9 acres, Cell 4 and 5 will be 15.6 acres each and Cell 6 will be 15.9 acres. The current waste design capacity is 8,034,959 cubic yards. The lateral expansion will increase the waste disposal capacity by 15,261,128 cubic yards to a total of 23,296,087 cubic yards. The proposed leachate storage impoundment will be constructed with a composite liner and have a capacity with 3 feet of freeboard of 3,327,118 gallons. No variances were requested.

Incorporated By Reference:

The application stamped by Floyd E. Cotter, P.E., on April 30, 2018, the Notice of Deficiency (NOD) dated November 5, 2018 and the response to NOD dated December 14, 2018, are considered approved and are incorporated as part of this permit modification.

Modification Conditions:

1. Stormwater management at the site is subject to DEQ Water Quality Division Sector L Industrial General Permit OKR05 (Authorization No. OKR050819) which requires a stormwater Pollution Prevent Plan (SWP3). The SWP3 will be amended as surface water drainage and outfall locations are modified. The existing stormwater impoundment located in the northwest corner of the facility with a storage capacity of 1,489,874 cubic feet will be expanded to handle the 24-hour, 25-year single storm event. According to agreement between SORD and the U.S. Army Corps of Engineers, SORD may expand the facility's current stormwater impoundment; however the impoundment may not be reduced without authorization from the U.S. Army Corps of Engineers.
2. The current groundwater monitoring network will be modified. Monitor wells MW-2R, MW-4 and MW-5 will be removed and plugged, while six (6) new monitor wells (MW-6 through MW-11) are proposed. Existing piezometer PZ-9 will become MW-9 and existing

piezometer PZ-5 will become MW-11; all other new monitor wells will be installed according to OAC 252:515-7-3 and OWRB requirements in OAC 785:35. Four (4) quarters of statistically independent data are required to be collected for each constituent in accordance with OAC 252:515-9-31 to establish background groundwater quality at each new monitor well.

3. The landfill has a gas collection and control system operated under a Title V Clean Air Act permit (No. 2012-311-TVR2) issued through the Air Quality Division of DEQ. The system will be modified during the expansion according to permit requirements.
4. The perimeter gas monitoring system will be modified. Ten additional gas probes (GMW-18 through GMW-27) will be installed according to OAC 252:515-15-4 and OWRB requirements in OAC 785: 35. Fourteen (14) existing gas probes will remain in place and three (3) will be decommissioned (GMW-12 through GMW-14).
5. A composite liner will be constructed in accordance with the approved QA/QC plan and will consist of the following layers from bottom to top:
 - a. 24-inches of compacted clay (hydraulic conductivity less than or equal to 1×10^{-7} cm/s),
 - b. 60-mil high density polyethylene geomembrane liner (smooth on floor and double sided textured on slope),
 - c. 8-oz non-woven geotextile fabric cushion layer, and
 - d. 24 inches of granular drainage / protective cover material (hydraulic conductivity greater than or equal to 1×10^{-3} cm/s) or 5 feet uncompacted select waste substituting for 1 foot of granular protective cover. The granular drainage material shall be certified in the liner installation and resting report (LIT) prior to DEQ approval to begin accepting waste and the uncompacted select waste (if used) will be certified prior to DEQ approval of normal waste operations.
6. The leachate collection system will consist of: the collection pipe network protected with 8-oz woven geotextile and 24 inches of granular material, leachate collection sumps and associated pumping system, and a 2-acre leachate evaporation pond. The proposed leachate evaporation impoundment will be constructed with a composite liner in accordance with OAC 252:515-13-31 and the QA/QC plan. The leachate impoundment will maintain a minimum of 3 feet of freeboard with a capacity of 3,327,118 gallons and service Cells 3 through 6. Leachate will be pumped and transported to the impoundment through a dual contained force main. Stored leachate may be re-circulated and / or irrigated in accordance with their approved plans.
7. The landfill is permitted to accept municipal solid waste, non-hazardous industrial waste, construction / demolition waste, Class B biosolids that pass the paint filter test, and non-friable asbestos containing materials. The landfill may accept liquid waste that will be

bulked to pass the paint filter test prior to disposal according to the approved operations plan, WEP and Bulking Plan. SORD conducts salvage and recycling according to the approved plan. SORD may not accept PCB-containing waste in excess of 50 ppm PCBs, radioactive waste, and untreated infectious biomedical waste.

8. Wet Weather management: Soil material from the borrow area or an approved Alternative Daily Cover (ADC), i.e., foundry sand, tire chips and posi-shell plus extreme rain shield, will be utilized to meet daily cover requirements during wet weather. The ADC shall not be used for more than six (6) consecutive days without placing six (6) inches of earthen cover on the seventh day. Six (6) inches of earthen material must be used instead of any ADC if the working face will remain unused for more than 24 hours.
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The permittee is authorized to operate in conformity with the application described above. Commencing operations under this permit modification constitutes acceptance of, and consent to, the conditions contained herein.

Hillary Young, P. E., Chief Engineer
Land Protection Division

Date: _____

Kelly Dixon, Division Director
Land Protection Division

Date: _____

Scott A. Thompson, Executive Director
Department of Environmental Quality

Date: _____

DEPARTMENT OF ENVIRONMENTAL QUALITY

**APPLICANT INSTRUCTIONS: PREPARING,
PUBLISHING AND CERTIFYING LEGAL NOTICE**

- When an application has been filed with the DEQ or when a draft or proposed permit has been prepared by DEQ, prepare the legal notice according to the attached form and as directed in the accompanying instructions.
- Submit a working copy of the notice to the DEQ permitting representative.
- Obtain DEQ's approval of notice prior to publishing.
- Publish as legal notice one time in at least one newspaper local to the proposed new site or existing facility.
- After publication, get a signed affidavit or proof of publication from the newspaper and submit it to DEQ's permitting representative within 20 days after the date of publication.

NOTE: You may include any other information in the notice you deem relevant to the application, draft or proposed permit.

If you have questions or need assistance, contact the DEQ permitting representative:

Martha Grafton
(Name)

P. O. Box 1677
707 N. Robinson
Oklahoma City, OK 73101-1677
Telephone: (405) 702-5144
Fax No: (405) 702-5101

**OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
NOTICE – DRAFT PERMIT**

The Oklahoma Department of Environmental Quality (DEQ) has received an application for a solid waste (1) to (2) at the (3), located in the (4). The application was filed by (5).

The DEQ has tentatively found that the application meets the requirements of Title 27A of the Oklahoma Statutes, Section 2-1-101, *et seq.*, Section 2-10-101, *et seq.*, and rules of the DEQ, Oklahoma Administrative Code (OAC), Title 252, Chapters 4 and 515, and has prepared a draft (1) for public review.

The draft (1) and its conditions propose (7).

The application, the draft (1), and related documents may be reviewed during normal business hours at:

The Office of Central Records, Oklahoma Department of Environmental Quality, located on the 2nd floor of the DEQ building at 707 North Robinson, P. O. Box 1677, Oklahoma City, OK 73101-1677. And on the DEQ website at <http://www.deq.state.ok.us/mainlinks/publicpermits.html>. The DEQ contact is Hillary Young.

Copies are also on file at (9).

Persons wishing to comment on the draft (1) should submit their comments in writing to the DEQ at the above address, or electronically at the DEQ website listed above. Also, any person may request, in writing, a formal public meeting to present written or oral statements and data concerning the draft (1). A request for a public meeting must identify the nature of the issues to be raised in the meeting. If the DEQ determines, based on the requests it receives, that there is significant degree of public interest in the draft (1), it will schedule a public meeting and provide notice of the date, time and place.

Written comments and requests for a public meeting must be received by the DEQ within 30 days after the date of this publication at the DEQ address given above or electronically on the DEQ website. More specific information may be obtained by contacting the applicant at (10), or the DEQ contact listed above.