



SCOTT A. THOMPSON
Executive Director

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

KEVIN STITT
Governor

January 10, 2020

Darrell Elliott, Director
Environmental Management Office
U.S. Army Ammunition Plant
1 C Tree Road
McAlester, OK 74501-9002

Re: Tier II Draft Permit Modification – Vertical Expansion, McAlester Army Ammunition Plant NHIW Landfill (Permit No. 3561014), Pittsburg County

Dear Mr. Elliott:

The Oklahoma Department of Environmental Quality (DEQ) initially received a Tier II Permit Modification Application on September 5, 2019. The Application was prepared by All Consulting on behalf of McAlester Army Ammunition Plant (McAAP) for the onsite non-hazardous industrial waste (NHIW) landfill.

The Application was processed as a Tier II Modification for a capacity increase exceeding 25% at an on-site facility in accordance with OAC 252:4-7-58 and 59. Legal notice of filing was published in the McAlester News-Capital on September 18, 2019. The affidavit of publication for the legal notice was received by DEQ on September 27, 2019, within 20 days of the date of publication.

DEQ responded to the Application with a Notice of Deficiency (NOD) dated October 18, 2019. DEQ subsequently received the NOD response and revised Application on December 5, 2019. At this time, all NOD items have been resolved, and the Application is considered administratively and technically complete. 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.

Please prepare and submit a draft legal notice to DEQ for review and approval. Enclosed is the Draft Solid Waste Permit Modification. Should you have any questions, please contact Jeff Biddick at (405) 702-5141.

Sincerely,

A handwritten signature in black ink that reads 'Hillary Young'.

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

HY/jb

Enclosure: Draft Solid Waste Permit Modification



DRAFT SOLID WASTE PERMIT MODIFICATION

The Department of Environmental Quality hereby approves the following permit modification:

Permit Number: 3561014
Facility: McAlester Army Ammunition Plant (McAAP)
Facility Type: Non-hazardous Industrial Waste (NHIW) Landfill
County: Pittsburg County

Modification

This permit modification approves a vertical capacity increase over the existing waste disposal footprint. The added waste disposal capacity is approximately 1,252,326 cubic yards, bringing the total design capacity of the landfill to 1,652,651 cubic yards and a maximum final height (with final cover) of approximately 833 feet mean sea level. No changes to the horizontal waste footprint or permit boundary are proposed as part of this permit modification.

Incorporated by Reference

The initial Tier II Application, "RCRA-D Permit Modification Application for Non-Hazardous Industrial Waste Landfill", submitted under cover letter dated September 4, 2019, revised and resubmitted in its entirety under cover letter dated November 25, 2019.

Conditions

- 1. Operations Plan.** This permit modification includes changes to disposal and operational methods from the original permit. McAAP must follow the Landfill Operations Plan in Appendix 7 of the Application and OAC 252:515 Subchapter 19, as applicable. Modifications to the Landfill Operations Plan require DEQ review and approval.
- 2. Leachate Management.** A leachate collection system was not required to be installed at the Landfill at the time of original permitting. No leachate collection system is required at this time, but McAAP must manage leachate in a manner that will not cause contamination in accordance with the Landfill Operations Plan and OAC 252:515-13-51. Should leachate seeps become an issue at the Landfill, then corrective action will be required.
- 3. Explosive Gas Monitoring.** A perimeter gas probe monitoring system was not required to be installed at the Landfill at the time of original permitting, and no gas monitoring system is proposed at this time due to the remote location of the facility and absence of permanent structures near the Landfill. The Application notes that a portable explosive gas monitor will be used in the temporary workers building to detect the presence of explosive gas. Should onsite conditions or waste streams indicate that explosive gasses are being generated, then a

DRAFT SOLID WASTE PERMIT MODIFICATION (CONTINUED)

perimeter gas probe monitoring system or demonstration that explosive gasses will not cause a hazard to health or safety may be required.

The permittee is authorized to operate in conformity with the application incorporated by reference. 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: _____