



SCOTT A. THOMPSON
Executive Director

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

KEVIN STITT
Governor

November 10, 2021

Ms. Michele Loudenback
City of Norman
3901 Chautauqua Ave.
Norman, OK 73072

Re: Administrative and Technical Review Complete
Tier II Permit Modification Application
Solid Waste Transfer Station
Cleveland County (Permit No. 3514007)

Dear Ms. Loudenback:

On October 8, 2021 the Oklahoma Department of Environmental Quality (DEQ) received a Tier II Modification Application for the Norman Solid Waste Transfer Station to include a Household Hazardous Waste (HHW) Collection Facility. City of Norman residents can drop off HHW (e.g. batteries, pesticides, oil-based paint) which will be processed by staff and transferred via contractor to appropriate disposal facilities. The facility will also operate a swap shop where residents may take home good-conditioned items dropped off by other residents. Pursuant to Oklahoma Administrative Code (OAC) 252:4-7-7 Rules of Practice and Procedure, the Solid Waste Permitting Unit conducted an administrative and technical completeness review with respect to the application and found it to be administratively and technically complete.

The notice of Application filed was published in *The Norman Transcript* on October 13, 2021. DEQ received the proof of publication on October 26, 2021, meeting the twenty-day requirement of OAC 252:04-7-13(d).

Enclosed is a copy of the Draft Permit Modification for your review, together with instructions for the preparation, publication, and certification of the legal notice as required with all Tier II applications. As noted in the instructions, please submit a draft of the legal notice to DEQ for review, prior to publication.

If you have any questions, please contact Kaylee Shiplet of my staff at (405) 702-5196 or Kaylee.shiplet@deq.ok.gov.

Sincerely,

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

HY/ks



DRAFT SOLID WASTE PERMIT MODIFICATION

PERMIT NUMBER: 3514007
PERMITTEE: City of Norman
SITE: City of Norman Transfer Station
LOCATION: Cleveland County, Oklahoma
EXPIRATION DATE: Upon DEQ approval of final closure

MODIFICATION: Modify the City of Norman Transfer Station permit to include a self-contained, enclosed permanent facility where Norman residents can take their household-hazardous waste (HHW) for sorting, packing, transportation, and disposal (by a contractor) at an approved disposal facility. The HHW collection facility will operate in a separate building within the existing transfer station permit boundary. Any storage or management of wastes not authorized in this Permit Modification is prohibited, unless exempted from Permit requirements. Any receipt, storage or treatment of any weight or volume of hazardous waste not generated from households is strictly prohibited.

This Permit Modification has been prepared by the Oklahoma Department of Environmental Quality, pursuant to its authority under the Oklahoma Solid Waste Management Act, 27A O.S. § 2-10-101 *et seq.*, and the Oklahoma Administrative Code (OAC) 252 (Rules) promulgated thereunder. It sets forth conditions and requirements for the operation and maintenance of the City of Norman HHW Collection Facility

This Permit may be further modified, revoked and reissued, or terminated for cause as specified in 27A O.S. §2-3-502 and OAC 252:4. The filing of a request for a permit modification, revocation and reissuance, or termination, or the notification of planned changes or anticipated noncompliance on the part of City of Norman does not stay the applicability or enforceability of any Permit Condition or any other law providing for protection of public health or the environment from an imminent or substantial endangerment.

Issuance of this Permit Modification does not convey any property rights of any sort or any exclusive privilege; nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of state or local laws or regulations.

The provisions of this Permit are severable. If any part or provision of this Permit or the application of any provision of this Permit to any circumstance is held invalid by a court of competent jurisdiction, the decision of that court or the application of such provision to other circumstances and the remainder of this Permit shall not be affected thereby.

If conditions of the Permit change, a permit modification application must be submitted within

thirty (30) days to DEQ for approval.

INCORPORATION BY REFERENCE

The Tier II application received by DEQ on October 8, 2021 is incorporated by reference and constitutes the complete application.

City of Norman Household Hazardous Waste Collection Facility is authorized to operate in conformity with the documents 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, Director
Land Protection Division**

Date: _____

THIS PERMIT MODIFICATION IS BASED ON DATA, DESIGN CRITERIA, PLANS AND SPECIFICATIONS PRESENTED IN THE CITY OF NORMAN HOUSEHOLD HAZARDOUS WASTE COLLECTION FACILITY APPLICATION, AS REVISED AND SUPPLEMENTED, WHICH ARE HEREBY APPROVED BY THE DEPARTMENT AND INCORPORATED BY REFERENCE HEREIN. ANY INACCURACIES FOUND IN THE APPLICATION OR SUPPORTING DOCUMENTATION MAY PROVIDE A CAUSE FOR POTENTIAL ENFORCEMENT ACTION AGAINST THE CITY OF NORMAN TRANSFER STATION AND THE MODIFICATION OR REVOCATION OF THIS PERMIT.

A. PERMIT MODIFICATION SUMMARY

1. **Name of Site:** City of Norman MSW Transfer Station
2. **Type of Site:** Transfer Station with a Household Hazardous Waste Collection Facility
3. **Permit Number:** 3514007
4. **Name of Applicant, Applicant Representative, and Applicant Address:**
City of Norman, Utilities Department
Michele Loudenback
PO Box 370
Norman, Oklahoma
5. **Engineer of Record:** Nathan Madenwald, P.E.
6. **Map and Street Location of Site:** 3901 Chautauqua Ave., Norman, OK 73072.
7. **Legal Location of Site:** S/2 SW/4 SE/4 & SW/4 SE/4 SE/4 of Section 7-T8N-R2W in Cleveland County, Oklahoma; containing approximately 29.678 acres.
8. **Type of Waste(s) accepted:** Household hazardous waste, as defined in OAC 252:515-1-2.
9. **Source(s) of Waste:** City of Norman Residents.
10. **Estimated Waste to be Received Daily:**

<u>Anticipated Waste Streams</u>	<u>Est. Amount Received Per Day (Lbs)</u>
Aerosols	13.2
Alkaline Batteries	4.2
Corrosives-acids	4.3
Corrosives-bases	3.7
Flammables (solid)	20.1
Flammables (liquid)	12.9
Fluorescent Bulbs (compact)	1.1
Fluorescent Bulbs (straight)	2.7
Grease (gallons)	2.64
HID Bulbs	0.05
Latex Paint	80.3
Lithium Batteries	0.68
Mercury	0.11
Ni-Cad Batteries	0.52
Oil-Based Paint	95.0
Oil Filters	0.49

Oxidizers	3.2
Pesticides (solid)	20.0
Pesticides (liquid)	41.8
Propane- Small/Camp	0.43
Propane- BBQ	0.037
Reactives	0.17
Automotive batteries	2.3
Fire Extinguishers	0.16

11. Population Served: 128,026 people.

12. Location Restrictions on Permit Boundary: Not applicable to an existing solid waste disposal facility according to OAC 252:515-5-31 unless expanding the permit boundary.

13. Location Restrictions on Waste Management Area:

- (a) 100-year Flood Plain: No HHW management areas are located in the 100-year flood plain;
- (b) Public water supply: There are no surface water intakes within one mile;
- (c) Wellhead protection area: There are no public water supply wells within two miles; and
- (d) Wetlands: There are no wetlands located on site.

14. Buffer Zone: All waste handling/management operations will occur at least 50 feet from the permit boundary.

15. Salvage and Recycling: No salvage and recycling will occur from the existing transfer station; however, the HHW facility will operate a swap shop of items in good condition for beneficial reuse by residents.

16. Facility: The City of Norman HHW facility consists of a single building housing an administrative office, break room, material receiving and storage areas, and a free store (swap shop); outside material storage lockers consisting of two metal storage containers; and ancillary site improvements. The building is a 3,500 square foot prefabricated steel structure. The facility is configured to allow patrons to pull into the building where staff offload acceptable waste while patrons remain in the vehicles.

17. Operations: The City of Norman HHW Collection facility will be operated according to the approved Operations Plan. During the scheduling of appointments, customers will be notified of acceptable/ prohibited wastes and will be prescreened to prevent prohibited waste being brought on site. Upon arrival patrons will remain in their vehicle while staff obtain information on the patron and the waste being delivered, ensure the waste is acceptable, and transfer waste from the vehicle to wheeled carts. The waste will then be weighed on scales. All offloading of waste from patrons, sorting/categorizing, and packing for removal will occur indoors. Trained staff will sort and segregate the HHW by its waste or hazard class and packaged utilizing lab-packing, loose-packing, bulking, and labeling. The packaged HHW will then be stored at the end of each day according to major waste types (acids, bases, oxidizers, flammables/ combustibles, aerosols, fluorescent lamps, and miscellaneous materials). The HHW will be

disposed of by a contractor at an appropriate facility permitted to accept such wastes. Any non-hazardous waste residue will be disposed at the Transfer Station part of the site.

18. **Swap Shop:** The City of Norman HHW Collection Facility will operate a swap shop in a 263-square foot room where residents can take home products that were dropped off for disposal but are in large enough quantity and in good condition to be reused for their intended purpose. Typical products include pesticides and fertilizers, cleaners, and automobile products. Staff will determine if received wastes fit the required conditions and will place them in the shop for residents to take.
19. **Equipment to be Utilized:** Forklift, paint can crusher, fluorescent bulb crusher, and an aerosol disposal system.
20. **Hours of Operation:** City of Norman will be open 9 AM to 3 PM Monday through Friday two weeks of the month and 9 AM to 3 PM Tuesday through Saturday for two weeks of the month. The facility will operate by appointment only with 30 minutes per appointment. City of Norman HHW Collection Facility shall post signage listing the hours of operation.
21. **Security:** City of Norman HHW Collection Facility is enclosed by a 6-foot chain link fence with 3-strand barbed wire. The gate will be closed outside of facility operation hours. Facility attendant will be on site during operation hours.
22. **Closure:** The City of Norman HHW Collection facility will be clean closed according to the approved closure plan.
23. **Financial Assurance:** Not required.
24. **Estimated Life of Site Prior to Final Closure:** This permit shall continue in effect until the Department approves the final closure.

B. CONDITIONS

1. **Prohibited Wastes:** OAC 252:515-19-31 and the Waste Exclusion Plan prohibit the following wastes from being accepted and disposed at the facility:
 - (a) Hazardous waste not generated from households;
 - (b) Polychlorinated Biphenyl (PCB) waste;
 - (c) Regulated medical waste, except home-generated medical sharps provided they are in an appropriate leak-proof, sealed container;
 - (d) Radioactive waste;
 - (e) Asbestos waste;
 - (f) Non-hazardous industrial (NHIW) or commercially generated waste;
 - (g) Large and/ or Bulky waste;
 - (h) Putrescible waste;
 - (i) Biomedical waste;
 - (j) Ammunition/explosives with the exception of small arms ammunition and fireworks;

- (k) Electronics;
- (l) Tires;
- (m) Unknowns.

2. **Holding Period:** City of Norman HHW Collection Facility shall not store putrescible waste at the facility. No household hazardous waste shall be stored on-site more than one (1) year.
3. **Blowing Litter:** City of Norman HHW Collection Facility shall collect and manage household hazardous waste in a manner that will reduce wind dispersal. All unloading of waste will occur inside a building.
4. **Open Burning Prohibited:** City of Norman HHW Collection Facility is prohibited from burning any solid waste.
5. **Operations Plan:** A permit modification shall be submitted to DEQ for review and approval should the approved operations plan be substantially changed.
6. **Disposal Facility:** City of Norman HHW Collection Facility shall hire a contractor to dispose of all collected household hazardous waste at a site permitted to accept such wastes. The contractor addendum shall be added to Operations Plan and submitted to DEQ upon receipt.
7. **Preservation of Aesthetics:** City of Norman HHW Collection Facility is landscaped with Bermuda grass and plans to install rainwater harvesting along the main walk-in entry way. A median planter will be placed in the parking area with native plants and curb cuts. The facility shall plant and maintain plants, shrubbery, or trees as necessary to enhance the visual harmony of the facility.
8. **Water Management:** City of Norman HHW Collection Facility will conduct all waste transfer operations inside a building to prevent stormwater contact with the household hazardous waste.
9. **Records:** The City of Norman HHW Collection Facility shall maintain an operating record containing all records concerning the planning, construction, operation, closing and post-closure monitoring of the facility as applicable. The information includes but is not limited to this permit modification and permit modification application, and copies of all:
 - (a) As-built facility construction plans, drawings and specifications;
 - (b) Repair and maintenance records;
 - (c) Copies of approved Operational Plan, Closure Plan, and Waste Exclusion Plan;
 - (d) All monitoring data when monitoring is required;
 - (e) A daily log to record operational information, including information about the HHW received such as the quantity and daily site inspection forms;
 - (f) Waste hauler manifest for each load transported out of the facility which includes type and weight of waste transported for disposal;
 - (g) Reports filed with DEQ; and
 - (h) Closure Records.

10. **Duty to Mitigate:** City of Norman HHW Collection Facility shall take all reasonable steps to minimize or correct any adverse impact on the environment and the public health resulting from noncompliance with this permit or site operation.
11. **Proper Operation and Maintenance:** City of Norman HHW Collection Facility shall at all times properly operate and maintain all facilities and systems of treatment and control which are installed or used by the facility. Proper operation and maintenance includes effective performance of operations and adequate funding, operator staffing and training, and the provision of appropriate waste-handling equipment.
12. **Duty to Provide Information:** City of Norman HHW Collection Facility shall furnish to DEQ within a time specified, any information that DEQ may request to determine:
 - (a) Whether cause exists for modifying, amending, suspending, or revoking this permit;
 - (b) Compliance with this permit; and
 - (c) Whether a new or modified permit should be issued.
13. **Corrective Action Requirement:** City of Norman HHW Collection Facility shall conduct corrective action if inspection of the site indicates the potential for or actual release of contaminants into the environment.
14. **Twenty-Four Hour Reporting:** City of Norman HHW Collection Facility shall report to DEQ any noncompliance which may endanger health or the environment. Any such information shall be reported orally within 24 hours from the time City of Norman HHW Collection Facility becomes aware of the circumstances. The report shall include the following:
 - (a) Information concerning release of any waste that may cause an endangerment to public drinking water supplies;
 - (b) Information of a fire or explosion at the facility which could threaten the environment or human health outside the facility; and
 - (c) The description of the occurrence and its cause shall include:
 - i) Name, address, and telephone number of the owner or operator;
 - ii) Name, address, and telephone number of the facility;
 - iii) Date, time, and type of incident;
 - iv) Name, quantity and generator of materials involved;
 - v) The extent of injuries, if any;
 - vi) An assessment of actual or potential hazards to the environment and human health outside the facility;
 - vii) Estimated quantity and disposition of recovered material that resulted from the incident; and
 - viii) If the occurrence is determined to be a result of faulty equipment, then similar equipment throughout the facility will be replaced to prevent the same occurrence.
15. **Written Incident Report:** A written report shall also be submitted to DEQ within five (5) days of the time City of Norman HHW Collection Facility becomes aware of the incident. The written report shall contain a description of the situation and the cause; the period(s) of the situation (including exact dates and times); whether the situation has been corrected; and, if not, the anticipated time it is expected to be corrected; and steps taken or planned to reduce,

eliminate, and prevent recurrence of the situations.

16. Closure Plan: A permit modification shall be submitted to DEQ for review and approval should the approved closure plan be substantially changed.

17. Closure

(a) **Notice:** City of Norman HHW Collection Facility shall give notification to DEQ at least two (2) weeks prior to closure of the facility.

(b) **Certification of Final Closure:** Within sixty 60 days after the completion of final closure for the entire site, City of Norman HHW Collection Facility shall submit to DEQ a notarized statement signed by an authorized agent for City of Norman HHW Collection Facility, and a certification, signed and sealed by an independent professional engineer registered in the State of Oklahoma, that the facility was closed in accordance with the approved closure plan, the permit, and applicable Rules.

(c) **Closure Approval:** Final closure of the City of Norman HHW Collection Facility must be in accordance with this permit, the approved Closure Plan, and regulatory requirements and must be approved in writing by DEQ.