



SCOTT A. THOMPSON  
Executive Director

OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY

KEVIN STITT  
Governor

July 15, 2019

Mr. Mark Daniels, Utilities Engineer  
Norman Utilities Authority  
201 W. Gray  
Norman, Oklahoma 73069

Re: Permit No. SLR000014190515  
Compost facility irrigation system  
Facility No. 20616

Dear Mr. Daniels:

Enclosed is Permit No. SLR000014190515 for the construction of 20 linear feet of sixteen (16) inch PVC sanitary sewer reuse line, 150 linear feet of six (6) inch PVC sanitary sewer reuse force main, one (1) sanitary sewer reuse lift station with one (1) vertical turbine pump, and all appurtenances to serve the Compost facility irrigation system, Cleveland County, Oklahoma.

The project authorized by this permit should be constructed in accordance with the plans approved by this Department on July 15, 2019. Any deviations from the approved plans and specifications affecting capacity, flow or operation of units must be approved, in writing, by the Department before changes are made.

Receipt of this permit should be noted in the minutes of the next regular meeting of the Norman Utilities Authority, after which it should be made a matter of permanent record.

We are returning one (1) set of the approved plans to you, one (1) set to your engineer and retaining one (1) set for our files.

Respectfully,

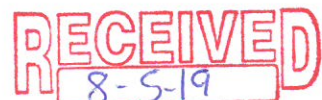
A handwritten signature in black ink, appearing to read "D. Adam Divine".

D. Adam Divine, E.I.  
Construction Permit Section  
Water Quality Division

AD/RC/ag

Enclosure

c: Travis Mensik, Regional Manager, DEQ  
OKLAHOMA CITY DEQ OFFICE  
Alan Swartz, PE, Alan Plummer Associates





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PERMIT No. SLR000014190515

SEWER LINES REUSE

FACILITY No. 20616

PERMIT TO CONSTRUCT

July 15, 2019

Pursuant to O.S. 27A 2-6-304, the Norman Utilities Authority is hereby granted this Tier I Permit to construct 20 linear feet of sixteen (16) inch PVC sanitary sewer reuse line, 150 linear feet of six (6) inch PVC sanitary sewer reuse force main, one (1) sanitary sewer reuse lift station with one (1) vertical turbine pump, and all appurtenances to serve the Compost facility irrigation system, located in SE 1/4 of SE 1/4 of Section 7, T-8-N, R-2-W, Cleveland County, Oklahoma, in accordance with the plans approved July 15, 2019.

By acceptance of this permit, the permittee agrees to operate and maintain the facilities in accordance with the "Oklahoma Pollutant Discharge Elimination System Standards - OPDES" (OAC 252:606) rules and to comply with the state certification laws, Title 59, Section 1101-1116 O.S. and the rules and regulations adopted thereunder regarding the requirements for certified operators.

VARIANCES

The approved engineering report for The City of Norman Compost Facility consists of using effluent from NUA's Water Reclamation Facility to process compost at the NUA composting facility (CF), and includes an Operating Plan that details the following operational procedures:

- 1) Appropriate training will be provided to CF staff.
- 2) Precautionary measures should be taken to minimize direct contact with reclaimed water such as: avoid being sprayed, wear clothing and gloves to prevent direct contact with skin, wear plastic gloves when performing squeeze tests, and turn windrows in an enclosed cabin machine.
- 3) Watering will be performed after hours when public and operators are not present.
- 4) CF site will remain fenced in with gates closed to prevent entry after hours.
- 5) Watering will be done judiciously so that the compost maintains the appropriate moisture content and water does not pond on site.
- 6) Appropriate signage will be provided at the CF site and training will be provided to CF staff.
- 7) A log of daily operations will be maintained at the CF that includes: windrow internal temperatures, record of which windrows were turned, amount of waste received, processed, and distributed, and chlorine residual at initiation of the irrigation process, since in no case will irrigation continue for more than 12 consecutive hours.





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The Oklahoma Department of Environmental Quality approves the NUA variance from OAC 252:656-27-3(b)(3), for this specific purpose of yard composting at the NUA Yard Composting Facility, provided that the following additional best management practices (BMPs), with exception of monitoring chlorine residual, be included in the Operating Plan:

- 1) Set up the piping such that when the effluent pump is not operating, the piping from the effluent pipe to the irrigation pumps drains back into the effluent channel.
- 2) The reclaimed water will only be used on the yard compost windrows in a manner that does not result in runoff and that minimizes drift.
- 3) The reclaimed water will not be used for dust suppression.
- 4) The reclaimed water will not be used on compost that has completed its final high heat stage.
- 5) The reclaimed water use will be immediately discontinued if effluent permit limit violations
- 6) occur and will only be reestablished when the violations cease and DEQ is notified in writing.

This permit is issued subject to the following provisions and conditions.

- 1) That the recipient of the permit is responsible that the project receives supervision and inspection by competent and qualified personnel.
- 2) That construction of all phases of the project will be started within one year of the date of approval or the phases not under construction will be resubmitted for approval as a new project.
- 3) That no significant information necessary for a proper evaluation of the project has been omitted or no invalid information has been presented in applying for the permit.
- 4) That wherever water and sewer lines are constructed with spacing of 10 feet or less, sanitary protection will be provided in accordance with OAC 252:656-5-4(c)(3) of the standards for Water Pollution Control Facility Construction.
- 5) That tests will be conducted as necessary to insure that the construction of the sewer lines will prevent excessive infiltration and that the leakage will not exceed 10 gallons per inch of pipe diameter per mile per day.







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- 6) That the Oklahoma Department of Environmental Quality shall be kept informed of occurrences which may affect the eventual performance of the works or that will unduly delay the progress of the project.
- 7) That the permittee will take steps to assure that the connection of house services to the sewers is done in such a manner that the functioning of the sewers will not be impaired and that earth and ground water will be excluded from the sewers when the connection is completed.
- 8) That any deviations from approved plans or specifications affecting capacity, flow or operation of units must be approved by the Department before any such deviations are made in the construction of this project.
- 9) That the recipient of the permit is responsible for the continued operation and maintenance of these facilities in accordance with rules and regulations adopted by the Environmental Quality Board, and that this Department will be notified in writing of any sale or transfer of ownership of these facilities.
- 10) The issuance of this permit does not relieve the responsible parties of any obligations or liabilities which the permittee may be under pursuant to prior enforcement action taken by the Department.
- 11) That the permittee is required to inform the developer/builder that a DEQ Storm Water Construction Permit is required for a construction site that will disturb one (1) acre or more in accordance with OPDES, 27A O.S. 2-6-201 *et. seq.* For information or a copy of the GENERAL PERMIT (OKR10) FOR STORM WATER DISCHARGES FROM CONSTRUCTION ACTIVITIES, Notice of Intent (NOI) form, Notice of Termination (NOT) form, or guidance on preparation of a Pollution Prevention Plan, contact the Storm Water Unit of the Water Quality Division at P.O. Box 1677, Oklahoma City, OK 73101-1677 or by phone at (405) 702-8100.
- 12) That all manholes shall be constructed in accordance with the standards for Water Pollution Control Facility Construction (OAC 252:656-5-3), as adopted by the Oklahoma Department of Environmental Quality.
- 13) That when it is impossible to obtain proper horizontal and vertical separation as stipulated in Water Pollution Control Facility Construction OAC 252:656-5-4(c)(1) and OAC 252:656-5-4(c)(2), respectively, the sewer shall be designed and constructed equal to water pipe, and shall be pressure tested using the ASTM air test procedure with no detectable leakage prior to backfilling, in accordance with the standards for Water Pollution Control Facility Construction OAC 252:656-5-4(c)(3).





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Failure to appeal the conditions of this permit in writing within 30 days from the date of issue will constitute acceptance of the permit and all conditions and provisions.

A handwritten signature in blue ink, appearing to read "Rocky Chen", is written over a horizontal line.

Rocky Chen, P.E., Engineering Manager, Construction Permit Section  
Water Quality Division

AD

