

**OKLAHOMA DEPARTMENT OF ENVIRONMENTAL QUALITY
INDUSTRIAL WASTEWATER TREATMENT/DISPOSAL PERMIT**

PERMIT NUMBER: WD18-006 ID NUMBER: I-66002000
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In compliance with the Oklahoma Pollutant Discharge Elimination System (OPDES) Act, Title 27A Oklahoma Statutes (O.S.) § 2-6-201, *et seq.*, as amended, Oklahoma Uniform Environmental Permitting Act, 27A O.S. § 2-14-101 *et seq.*, as amended, and the rules of the Oklahoma Department of Environmental Quality (DEQ) adopted thereunder (see the Oklahoma Administrative Code (OAC) 252:616), and in reliance on the certified statements and representations heretofore made in its application,

Vogel Seed & Fertilizer, LLC dba Spring Valley USA
5201 Bird Creek Ave.
Catoosa, OK 74015

is authorized to land apply wastewater that is generated from the washing down of equipment between batches of differing blends of fertilizers and additives to land application sites L01 - L06 as described in Appendix A. The facility is located at:

SE¼, SE¼, NW¼, Section 8, Township 20 North,
Range 15 East, Indian Meridian, Rogers County, Oklahoma
or at 5201 Bird Creek Ave., Catoosa, OK 74015

Discharge of wastewater to waters of the state is specifically prohibited.

The facility shall be maintained in accordance with the 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 of wastewater, except with respect to the permittee's legal responsibility under the OPDES Act and the Department of Environmental Quality Rules.

This permit replaces and supersedes the previous permit issued on February 25, 2026.

The issuance date of this permit is Date.

This permit shall become effective Date.

This permit and authorization to operate the disposal system shall expire at midnight April 30, 2029.

For the Department of Environmental Quality:

Jason Ma, P.E., Manager
Industrial Permits Section
Water Quality Division

George Russell IV, Director
Water Quality Division

PART I

A. APPLICATION LIMITATIONS AND MONITORING REQUIREMENTS

1. Application Limitations

The volume of wastewater allowed to be land applied is limited as described in the following table. The wastewater shall be spread uniformly across the land application sites to prevent persistent flooding.

Annual Limitation

LAND APPLICATION SITE	VOLUME LIMITATION		
	Acres	(million gallons/year)	(gallons/acre/year)
L01	125	0.739	5912
L02	98	0.391	3990
L03	12.5	0.133	10,640
L04	15.25	0.067	4393
L05	9.63	0.029	3011
L06	8.18	0.600	73,350

2. Requirements for Monitoring Applied Wastewater

During the period beginning on the effective date and lasting through the expiration date, the permittee shall monitor the wastewater that is applied to the land in accordance with the following schedule and summarize the results on a Self-Monitoring Report (SMR). SMR forms shall be submitted to the Department of Environmental Quality, Water Quality Division, Wastewater Compliance Tracking Section quarterly on or before the last working day of the month following the close of each quarter.

Wastewater Monitoring

Parameter	Limitation	Unit	Monitoring Frequency	Sample Type ⁽¹⁾
Biochemical Oxygen Demand	Report	mg/L	1/Quarter	Grab
Total Kjeldahl Nitrogen	Report	mg/L	1/Quarter	Grab
Ammonia Nitrogen	Report	mg/L	1/Quarter	Grab
Nitrate Nitrogen	Report	mg/L	1/Quarter	Grab
Nitrite Nitrogen	Report	mg/L	1/Quarter	Grab
Phosphorus as P ₂ O ₅	Report	mg/L	1/Quarter	Grab
Potassium as K ₂ O	Report	mg/L	1/Quarter	Grab
pH	6.5 – 9.0	s.u.	1/Quarter	Grab

⁽¹⁾ Grab samples shall be a composite of the above ground storage tanks.

Monitoring Points: Samples taken in compliance with the monitoring requirements specified above shall be taken from the above ground storage tanks prior to land application or leaving the facility located in the SE¼, SE¼, NW¼, Section 8, Township 20 North, Range 15 East, Indian Meridian, Rogers County, Oklahoma.

3. Requirements for Monitoring Land Application and Soil at Land Application Sites

During the period beginning on the effective date and lasting through the expiration date, the permittee shall monitor the land application sites, L01 – L06 in accordance with the following schedule and summarize the results on an SMR. The time period covered under this annual monitoring requirement is from January 1 through December 31. SMR forms shall be submitted to the Oklahoma Department of Environmental Quality, Water Quality Division, Wastewater Compliance Tracking Section annually on or before the last working day of the month following the close of each year.

Land Application Monitoring Requirements

Parameter	Limitation	Unit	Monitoring Frequency	Sample Type
Total Volume Applied	Report	gallons	1/year	Estimate
Total Number of Days Applied	Report	days	1/year	Report
Total Number of Acres Used	Report	acres	1/year	Report
Type of Crop Planted	Report	---	1/year	Report
Total Precipitation	Report	in/yr	1/year	Measure

Soil Testing Requirements

Parameter	Limitation	Unit	Monitoring Frequency	Sample Type
Nitrogen Concentration	Report	mg/kg	1/year	Comp. ^{(1),(2),(3),(4)}
Phosphorus Soil Test Index	Report	---	1/year	Comp. ^{(1),(2),(3),(4)}
Potassium Soil Test Index	Report	---	1/year	Comp. ^{(1),(2),(3),(4)}
pH	> 5.5	s.u.	1/year	Comp. ^{(1),(2),(3),(4)}

- ⁽¹⁾ Soil composite sample for each land application site shall be obtained by combining 15 to 20 core samples per land application site. The core samples shall be collected and mixed thoroughly, and a single sample taken from the composited sample.
- ⁽²⁾ Fields used for production of cultivated crops may be sampled any time after harvest or before planting.
- ⁽³⁾ Non-cultivated fields should be sampled during the dormant season.
- ⁽⁴⁾ Do not sample either cultivated or non-cultivated fields immediately after lime, fertilizer, or manure application.

Monitoring Point L01: Samples taken, or data recorded in compliance with the monitoring requirements specified above, shall be taken from land application site L01, in the NW¼ of Section 33, Township 21 North, Range 15 East, Indian Meridian, Rogers County, Oklahoma.

Monitoring Point L02: Samples taken, or data recorded in compliance with the monitoring requirements specified above, shall be taken from land application site L02, in the NW¼, NW¼ of Section 32, Township 21 North, Range 15 East, Indian Meridian, Rogers County, Oklahoma.

Monitoring Point L03: Samples taken, or data recorded in compliance with the monitoring requirements specified above, shall be taken from land application site L03, in the NW¼, NW¼, NE¼ of Section 32, Township 21 North, Range 15 East, Indian Meridian, Rogers County, Oklahoma.

Monitoring Point L04: Samples taken, or data recorded in compliance with the monitoring requirements specified above, shall be taken from land application site L04, in the SW¼, NW¼, NW¼ of Section 10, Township 20 North, Range 13 East, Indian Meridian, Tulsa County, Oklahoma.

Monitoring Point L05: Samples taken, or data recorded in compliance with the monitoring requirements specified above, shall be taken from land application site L05, in the NE¼, SE¼, SW¼ and SW¼, NW¼, SE¼ of Section 10, Township 20 North, Range 13 East, Indian Meridian, Tulsa County, Oklahoma.

Monitoring Point L06: Samples taken, or data recorded in compliance with the monitoring requirements specified above, shall be taken from land application site L06, in the NE¼, NE¼, NE¼ of Section 10, Township 20 North, Range 13 East, Indian Meridian, Tulsa County, Oklahoma.

A hard-bound logbook(s) shall be kept for each land application site. The logbook(s) shall have an entry for each land application event. For land application sites L01 – L06 there shall be an entry for the date of event, method of spreading, operator name, volume spread, and the area in square feet over which the volume was spread over.

The logbooks shall be kept for a period of 5 years. The logbooks shall be made available to DEQ personnel upon request. If the request is made during an inspection by the Department of Environmental Quality personnel, the logbooks shall be made available to the inspector within 1 hour of the request.

The facility shall also keep a record, for each land application site, of any additional fertilizer that is applied. Applied fertilizer shall include starter fertilizer, commercial fertilizer and any lime and soil amendments.

B. SCHEDULE OF COMPLIANCE

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

C. REPORTING OF MONITORING RESULTS

Monitoring results shall be reported in accordance with the provisions of Part III.B.4 of the permit. Monitoring results obtained during the previous quarter shall be summarized and reported on the SMR forms due to the Oklahoma Department of Environmental Quality, Water Quality Division, Wastewater Compliance Tracking Section postmarked or received no later than the last working day of the following month after the end of the reporting period as described above. Monitoring results obtained during the previous year shall be summarized and reported on the SMR forms due to the Oklahoma Department of Environmental Quality, Water Quality Division, Wastewater Compliance Tracking Section postmarked or received no later than the last working day of the following month after the end of the reporting period as described above. If no land application occurs during the reporting period, SMR forms stating "No Land Application" shall be submitted according to the above schedule.

The first quarterly report is due on January 31, 2027.

The first annual report is due on January 31, 2027.

PART II OTHER PERMIT REQUIREMENTS

A. SPECIAL CONDITIONS

1. 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 and the rules of DEQ. 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 to the permittee. By DEQ approval, grant and issuance of this permit, permittee acknowledges responsibility to obtain correct and current copies of applicable DEQ Rules (as amended), provided, however, that permittee further acknowledges that any and all amendments thereto shall become a part of this permit.
2. The permit may be reopened to implement and/or require impoundment, tank system, and/or land application modifications, additions, extensions, and/or operational changes; additional monitoring and reporting (including but not necessarily limited to soil sampling); reclassification of wastes; sludge management plans; best management practices; closure plans; remediation and/or remediation plans; monitoring wells and/or subsurface monitoring plans; and/or other appropriate actions.
3. Solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of wastewater shall be disposed of in 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.
- c. The final disposal site of waste hauled.

The permittee shall retain the above records for a period of at least five (5) years. Upon request, the above records shall be made available to the DEQ's personnel for review.

4. The permit does not authorize any disposal of pollutants or wastes other than by disposing of them in above ground tanks and using land application sites L01 – L06, authorized in the permit.

B. SPECIFIC REQUIREMENTS FOR LAND APPLICATION OF WASTEWATER

1. The hydraulic loading at land application sites L01 – L06 shall be maintained to prevent surface runoff of wastewater from applied wastewater to waters of state and to prevent persistent flooding (persistent flooding is defined as soil which remains saturated for more than 24 hours).
2. The land application of wastewater at sites L01 – L06 shall not occur during periods of precipitation, when the soil is frozen, or while the soil is saturated. The wastewater may be stored in the above ground storage tanks until the soil is capable of receiving wastewater without persistent flooding or surface runoff.
3. Land application of waste shall not cause permanent vegetative damage or otherwise prevent growth after cessation of land application.
4. The land application site shall be managed to prevent site conditions that have the potential to impact aesthetics, including but not limited to, odors, waste piles, and sludges.

5. Wastewater shall not be land applied within 100 feet of a stream or body of water and shall not be applied within two feet of the highest seasonal water level on a site.
6. Wastewater shall not be applied within 250 feet of a well that is used for a potable water supply or a public water supply surface water intake.
7. Wastewater shall not be land applied within a 100-foot buffer zone of any buildings near or adjacent to the land application sites.
8. A hard bound logbook(s) shall be kept for each land application site. The logbook(s) shall have an entry for each land application event. For all land application sites, there shall be an entry for the date of event, method of spreading, operator name, amount spread, and the area in either acres or square feet over which the volume was spread over.
9. The logbook(s) shall be kept for a period of 5 years. The logbook(s) shall be made available to DEQ personnel upon request. If the request is made during an inspection by DEQ personnel, the logbooks shall be made available to the inspector within 1 hour of the request.
10. The facility shall also keep a record, for each land application site, of any fertilizer that is applied. Applied fertilizer shall include starter fertilizer, commercial fertilizer, lime, and other soil amendments.
11. In all other respects, land application shall be accomplished in accordance with OAC 252:616-11.