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

**PERMIT NUMBER: WD99-001**
**ID NUMBER: I-68000290**

In compliance with the Oklahoma Pollutant Discharge Elimination System Act (OPDES Act), 27A O.S. Supp., § 2-6-201 et seq., Oklahoma Uniform Environmental Permitting Act, 27A O.S. § 2-14-101 *et seq*., and the rules of the Oklahoma Department of Environmental Quality promulgated thereunder,

Benson Washout, LLC dba H & H Washout
P.O. Box 2135
Sallisaw, OK 74955

is authorized to treat and dispose of wastewater in three (3) surface impoundments (F01, F02, and T01), and land apply wastewater from T01 to land application sites L03 and L05 and sludge to land application sites L04, L06, and L07, as described in the Appendix. H & H Washout is located at:

SE¼, SW¼, NW¼, Section 27, Township 12 North (N),
Range 22 East, Indian Meridian (EIM), Sequoyah County, Oklahoma
or at 452152 E 1055 Rd, Vian, OK 74962

The wastewater retained in surface impoundments F01, F02, and T01, consists of sanitary water and wastewater from livestock trailer washout, and is classified as Class III wastewater, in accordance with OAC 252:616-1-2.

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 DEQ Rules.

This Permit replaces and supersedes the previous Permit issued on Month Date Year.

The issuance date of this Permit is Month Date Year.

This Permit shall become effective Month Date Year.

This Permit and authorization to operate the disposal system shall expire at midnight Month Date Year.

For the Oklahoma Department of Environmental Quality:

_____

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

## PART I

## A. APPLICATION LIMITATIONS AND MONITORING REQUIREMENTS

### 1. Application Limitations

The volume of wastewater and sludge to be land applied to L03, L04, L05, L06, and L07 is shown in the table below.

**Annual Limitation**

| Land Application Site | Application Rate | |
|---|---|---|
| L03 | 356,150 gallons per year | 23,743 gallons per acre per year |
| L04 | 33.08 dry tons per year | 6.616 dry tons per acre per year |
| L05 | 898,396 gallons per year | 8,984 gallons per acre per year |
| L06 | 607.4 dry tons per year | 15.18 dry tons per acre per year |
| L07 | 303.7 dry tons per year | 15.18 dry tons per acre per year |

Wastewater shall be spread uniformly across L03 and L05 to prevent persistent flooding. Sludge shall be spread uniformly across L04, L06, and L07, and incorporated at the end of each day.

### 2. Requirements for Monitoring Applied Wastewater and Sludge

During the period beginning on the effective date and lasting through the expiration date, the Permittee shall monitor the wastewater and sludge 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 DEQ, 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 Requirements**

| Parameter | Limitation | Unit | Monitoring Frequency | Sample Type |
|---|---|---|---|---|
| 5-day 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 $P_2O_5$ | Report | mg/L | 1/Quarter | Grab |
| Potassium as $K_2O$ | Report | mg/L | 1/Quarter | Grab |
| pH | 6.5 – 9.0 | s.u. | 1/Quarter | Grab |

**Monitoring Point T01**: Samples taken in compliance with the monitoring requirements specified above shall be taken from T01 located in the SE¼, SW¼, NW¼, Section 27, Township 12 N, Range 22 EIM, Sequoyah County, Oklahoma.

**Sludge Monitoring Requirements**

| Parameter | Limitation | Unit | Monitoring Frequency | Sample Type |
|---|---|---|---|---|
| Total Kjeldahl Nitrogen | Report | mg/kg | 1/Quarter | Grab |
| Ammonia Nitrogen | Report | mg/kg | 1/Quarter | Grab |
| Nitrate Nitrogen | Report | mg/kg | 1/Quarter | Grab |
| Nitrite Nitrogen | Report | mg/kg | 1/Quarter | Grab |
| Phosphorus as $P_2O_5$ | Report | mg/kg | 1/Quarter | Grab |
| Potassium as $K_2O$ | Report | mg/kg | 1/Quarter | Grab |
| pH | 6.5 – 9.0 | s.u. | 1/Quarter | Grab |

**Monitoring Point F01**: Samples taken in compliance with the monitoring requirements specified above shall be taken from the sludge containment area located in the SE¼, SW¼, NW¼, Section 27, Township 12 N, Range 22 EIM, Sequoyah County, Oklahoma.

**3. Requirements for Monitoring Quantity of Wastewater and Sludge Applied and Soil Testing at Land Application Sites L03 – L07.**

During the period beginning on the effective date and lasting through the expiration date, the Permittee shall monitor the land application sites, L03 – L07 in accordance with the following schedule and summarize the results on a SMR. The time period covered under this annual monitoring requirement is from January 1 through December 31. SMR forms shall be submitted to DEQ, 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 for wastewater, dry tons for sludge | 1/year | Estimate |
| Total Number of Days Applied | Report | days | 1/year | Report |
| Total Number of Acres Used | Report | acres | 1/year | Measure |
| 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 | Composite [1],[2],[3],[4] |
| Phosphorus Soil Test Index | Report | --- | 1/year | Composite [1],[2],[3],[4] |
| Potassium Soil Test Index | Report | --- | 1/year | Composite [1],[2],[3],[4] |
| pH | > 5.5 | s.u. | 1/year | Composite [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 L03:** Samples taken or data recorded in compliance with the monitoring requirements specified above shall be taken from land application site L03, in the SW¼, SE¼, Section 25, Township 12 N, Range 22 EIM, Sequoyah 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, SE¼, Section 25, Township 12 N, Range 22 EIM, Sequoyah 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 SW¼, NW¼, and E½, NW¼, SW¼, and NE¼, SW¼, Section 25, Township 12 N, Range 22 EIM, Sequoyah 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 NW¼, SE¼, Section 25, Township 12 N, Range 22 EIM, Sequoyah County, Oklahoma.

**Monitoring Point L07:** Samples taken or data recorded in compliance with the monitoring requirements specified above shall be taken from land application site L07, in the E½, SE¼, SW¼, Section 25, Township 12 N, Range 22 EIM, Sequoyah 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 L03 – L07 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 five (5) years. The logbooks 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 one (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 DEQ, 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 DEQ, 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 _____, 2026.

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, DEQ Rules, and Oklahoma's Water Quality Standards. 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 the Permittee. By the approval, grant and issuance of this Permit, Permittee acknowledges receipt of true, correct and current copies of Oklahoma's Water Quality Standards, and DEQ Rules.

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. Surface impoundments F01, F02, and T01 shall have sufficient holding capacity to store waste during periods when the weather and/or soil conditions are unsuitable for the land application of wastewater and sludge.

4. At such time as surface impoundments F01, F02, and/or T01 are to be permanently taken out of service or at such time as the contents of F01, F02, and/or T01 pose a risk to the environment or waters of the State, the owner or operator of the facility shall follow all closure requirements contained in OAC 252:616-13.

5. Surface impoundments F01, F02, and T01 shall be constructed, maintained, and operated to minimize odors.

6. A minimum freeboard of two (2) feet is required to be maintained for surface impoundments F01 and F02, and a minimum freeboard of three (3) feet is required to be maintained for surface impoundment T01.

7. 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 waste is removed from the facility, the permittee shall keep accurate records which include the following information:

   a. Name and address of company hauling the 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 Department's staff for review.

8. The Permit does not authorize any disposal of pollutants or wastes other than by disposing of in surface impoundments F01, F02, and T01, and using land application sites L03 – L07, authorized in the Permit.

9. In all other respects, F01, F02, and T01 shall be subject to standard conditions for surface impoundment contained in OAC 252:616, Subchapters 5, 7, 9, and 13, including but not limited to requirements for construction, operation, maintenance, monitoring and closure.

## B. SPECIFIC REQUIREMENTS FOR LAND APPLICATION OF WASTEWATER AND SLUDGE

1. The hydraulic loading at land application sites L03 and L05 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 and sludge at sites L03 – L07 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 surface impoundments until the soil is capable of receiving wastewater without persistent flooding or surface runoff.

3. All land applied sludge shall be incorporated at the end of each working day.

4. Land application of wastewater and sludge shall not cause permanent vegetative damage or otherwise prevent growth after cessation of land application.

5. The land application sites shall be managed to prevent site conditions that have the potential to impact aesthetics, including but not limited to, odors, waste piles, and sludges.

6. The land application of wastewater and sludge shall not occur within 100 feet of a stream or body of water and shall not be applied within 2 feet of the highest seasonal water level on a site.

7. The land application of wastewater and sludge shall not occur within 250 feet of a well used for a potable water supply or a public water supply surface water intake.

8. The land application of wastewater and sludge shall not occur within a 100-foot buffer zone of any buildings near or adjacent to the land application site.

9. In all other respects, land application shall be accomplished in accordance with OAC 252:616-11.