

**FACT SHEET  
NUTRISOL, LLC  
INDUSTRIAL USER  
UTAH POLLUTANT DISCHARGE ELIMINATION SYSTEM (UPDES)  
PRETREATMENT PERMIT NO. UTP000058**

**FACILITY CONTACT**

Facility Contact: Todd Rasmussen  
Position: EHS Director  
Email: [trasmussen@nutrisol.com](mailto:trasmussen@nutrisol.com)

Signatory Authority: Brent Hagen  
Position: President  
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Permittee Name: Nutrisol, LLC  
Facility Name: Nutrisol Facility  
Phone Number: (435) 744-1035  
Mailing and Facility Address: 2705 North Mule Ranch Road  
Corinne, Utah 84307

**DESCRIPTION OF FACILITY**

Nutrisol, LLC (Nutrisol) bulk manufactures dietary supplements at the Nutrisol Facility (Facility). This process includes blending, drying, and milling of granulated supplements. Nutrisol uses a variety of products in this process, which are then packaged as powders and shipped to customers according to their specifications.

The Facility operates two shifts per day, from 7 AM to 11:30 PM. The first shift has 80 employees working from 7 AM to 3:30 PM Monday through Friday. The second shift has 18 employees working from 3:00 PM to 11:30 PM Monday through Friday. The operation runs continuously throughout the year, with no seasonal or scheduled closures, except holidays.

Nutrisol has been classified as a Significant Industrial User (SIU) because the Facility has the potential to violate a Pretreatment Standard. The process is similar to the manufacturing applicability described in 439.40 and could generate wastewater comparable to a facility covered by Title 40 of the Code of Federal Regulations (40 CFR) 439.

### **DESCRIPTION OF DISCHARGE**

The Facility is regulated by the Food and Drug Administration (FDA) and complies with its cleaning requirements. The equipment is cleaned with chemicals that meet FDA requirements.

As part of the cleaning process, powders are discharged into the wastewater treatment system. The Facility operates a wastewater treatment system. Process wastewater from the cleaning process is estimated at an average of 850 gallons per day (gpd) to the Corinne City (Corinne) Publicly Owned Treatment Works (POTW), with a maximum of 1,000 gpd. Wastewater is neutralized, and a polymer is added to settle particles. After settling, wastewater passes through a mesh filter. The wastewater is then pumped to the discharge point and flows to the Corinne POTW.

A pretreatment permit is necessary because the Facility is an SIU. This is based on the potential for the Facility to affect the Corinne POTW or to violate a Pretreatment Standard or requirement. Because Corinne does not have an Approved POTW Pretreatment Program (Program), the Division of Water Quality (DWQ) serves as the Control Authority and will issue the permit. If Corinne develops a Program, it will issue the pretreatment permit.

### **EFFLUENT LIMITATIONS**

Utah Administrative Code (UAC) R317-8-8.5 sets out general and specific prohibitions that all Industrial Users must comply with when discharging into a POTW. Pollutants introduced into a POTW by an Industrial User shall not Pass Through the POTW or cause Interference with the operation or performance of the POTW. These requirements are found in Part I.C. of the permit and ensure that the POTW, the public, and POTW workers are not affected by discharges from Industrial Users.

Limitations for acetone, n-amyl acetate, ethyl acetate, isopropyl acetate, and methylene chloride are based on the categorical standard found in 40 CFR 439.47. This is because the wastewater is similar to the discharge from facilities that blend, dry, and mill granulated supplements, which occur at the Facility, and because another categorical standard does not regulate the facility.

A reasonable potential analysis was not completed for this Facility because it does not discharge directly into waters of the State. However, the Facility discharges to a POTW and is regulated by Pretreatment Standards; therefore, a UPDES Permit is required.

Monitoring will be required for biochemical oxygen demand for 5 days (BOD<sub>5</sub>), total suspended solids (TSS), and metals. The monitoring requirements are intended to ensure that pollutants are not present at discharge levels that could impact the POTW. If these parameters are found in the discharge and are impacting the POTW, local limits will be developed and included in the permit.

The metals that must be sampled per the Permit are arsenic, barium, cadmium, chromium, copper, lead, molybdenum, selenium, silver, and zinc. Sampling for these parameters is required because Corinne could be limited for these parameters in the Corinne UPDES Permit or by the method of biosolids disposal. Nutrisol also indicated that these parameters were present or believed to be present, as indicated in the permit application. The application file number in the DWQ Laserfiche System is DWQ-2025-005046.

The daily minimum pH limit is based on the prohibited standard in UAC R317-8-8.5(3)(b). The daily maximum pH limit is intended to protect concrete manholes in the collection system.

The effluent limitations listed in the Effluent Limitations Table in Part I of the Permit will apply to the effluent from the Facility before it enters the Corinne POTW. The effluent limitations listed in the Effluent Limitations Table will apply to the discharge.

| Outfall 001 Effluent Limitations |                     |               |               |
|----------------------------------|---------------------|---------------|---------------|
| Parameter                        | Maximum Monthly Avg | Daily Minimum | Daily Maximum |
| Acetone, mg/L                    | 8.2                 | NA            | 20.7          |
| n-Amyl acetate, mg/L             | 8.2                 | NA            | 20.7          |
| Ethyl acetate, mg/L              | 8.2                 | NA            | 20.7          |
| Isopropyl acetate, mg/L          | 8.2                 | NA            | 20.7          |
| Methylene chloride, mg/L         | 8.2                 | NA            | 20.7          |
| pH, SU                           | NA                  | 5.0           | 11.0          |

NA – Not Applicable

### **MONITORING AND REPORTING REQUIREMENTS**

Monitoring requirements and sampling frequencies depend on whether the parameter is limited by the Permit or on the need to determine the load of the parameter to the Corinne POTW. Sample types are based on the requirements for the parameter in 40 CFR 439, 40 CFR 403.12 (g)(3), or 40 CFR 136. The wastewater discharge shall be sampled as specified in the Self-Monitoring and Reporting Requirements Table.

At this time, additional limitations are not required because the Corinne POTW does not have local limits for BOD, TSS, or metals. Sampling for these parameters will be required to assess their impact on the POTW and determine whether local limits are needed. The wastewater discharge shall be sampled as specified in the Self-Monitoring and Reporting Requirements Table.

Due to the Facility batch discharging from the treatment process, grab sampling techniques will be

required. For BOD, TSS, and the metal, equal-volume grab samples must be collected for each batch discharged on the day the sample is collected. A single grab should be collected for pH, acetone, n-amyl acetate, ethyl acetate, isopropyl acetate, and methylene chloride. Information regarding the collection and storage processes for sampling, including the time and date for each grab sample, should be documented. The sampling method must comply with the permit requirements and 40 CFR 136.

All parameters listed in the Self-Monitoring and Reporting Requirements Table must be sampled within 90 days of the permit being issued. If a parameter is detected that may affect the Corinne POTW, sampling may need to be increased. See Part I of the permit for these requirements. The wastewater discharge shall be sampled in accordance with the table below.

| Outfall 001 Self-Monitoring and Reporting Requirements |              |                   |       |
|--------------------------------------------------------|--------------|-------------------|-------|
| Parameter                                              | Frequency    | Sample Type       | Units |
| Process Flow                                           | Daily        | Metered/Estimated | gpd   |
| pH                                                     | Monthly      | Grab              | SU    |
| BOD <sub>5</sub>                                       | Quarterly    | Grab              | mg/L  |
| TSS                                                    | Quarterly    | Grab              | mg/L  |
| Metals                                                 | Quarterly    | Grab              | mg/L  |
| Acetone                                                | Semiannually | Grab              | mg/L  |
| n-Amyl acetate                                         | Semiannually | Grab              | mg/L  |
| Ethyl acetate                                          | Semiannually | Grab              | mg/L  |
| Isopropyl acetate                                      | Semiannually | Grab              | mg/L  |
| Methylene chloride                                     | Semiannually | Grab              | mg/L  |

All monitoring results and observations shall be summarized on a discharge monitoring report (DMR) form each month. DMRs must be submitted no later than the 28th day of the month following the end of the reporting period. Each DMR must include monitoring data or indicate that no discharge occurred during the monitoring month. DMRs shall be submitted via netDMR.

DWQ will collect annual samples to determine compliance with effluent limitations. The cost of the analysis will be billed to the Permittee. The POTW will also be able to sample the effluent and recover expenses for sampling or analyzing any parameters to determine whether local limits are needed or to ensure compliance with the Permit.

Nutrisol must notify DWQ and the POTW of any Permit violations, including spills or changes at the Facility. If a sample result violates a Permit requirement, it must be reported within 24 hours of becoming aware of the violation. A resample for the violated Permit requirement must be conducted, and the results must be submitted to DWQ within 30 days of becoming aware of the violation. Bypasses of any treatment units used to treat process wastewater from the processing

plant must be reported to DWQ and Corinne.

If notification to Corinne is required, it must be provided to the Corinne Lead Wastewater Operator. If Corinne does not have a lead wastewater operator at the time of notification, the notification must be made to the Corinne Mayor.

In addition, in accordance with 40 CFR 403.12(p)(1), the Nutrisol must notify the POTW, the EPA Regional Waste Management Director, and the State hazardous waste authorities, in writing, if they discharge any substance into a POTW that, if otherwise disposed of, would be considered a hazardous waste under 40 CFR 261. This notification must include the name of the hazardous waste, the EPA hazardous waste number, and the type of discharge (continuous or batch).

### **BIOMONITORING REQUIREMENTS**

As part of a nationwide effort to control toxicity, biomonitoring requirements are being incorporated into permits for facilities where effluent toxicity is an existing or potential concern. Nutrisol discharges to a POTW; therefore, biomonitoring will not be required at this time. Biomonitoring of the effluent will not be required unless toxicity is detected. Authorization to require effluent biomonitoring is provided in UAC R317-8-4.2 and R317-8.5.3.

### **PRETREATMENT REQUIREMENTS**

Any wastewater Nutrisol discharged to a sanitary sewer, whether directly or as hauled waste, is subject to Federal, state of Utah, and local pretreatment regulations. Pursuant to Section 307 of the Clean Water Act, the permittee shall comply with all applicable Federal General Pretreatment Regulations promulgated in 40 CFR 403, the state of Utah Pretreatment Requirements found in UAC R317-8-8, and any specific local discharge limitations established by the POTW accepting the waste.

### **SLUG CONTROL PLAN**

The floor drains within the Facility discharge to the pretreatment system before the process wastewater is discharged to the Corinne POTW. Based on this, the Facility has been evaluated for a slug control plan, which was deemed unnecessary. DWQ will continue to evaluate the Facility for a slug control plan in accordance with the UAC R317-8-8 requirements.

If conditions change, the facility will be required to develop a slug control plan, and the permit will be modified to include that requirement. The Facility is required to immediately notify DWQ and Corinne of any changes to spill or slug potential that could affect the Corinne POTW.

Nutrisol must immediately notify the DWQ and Corinne of any spills, slugs, or potential changes that could affect the Corinne POTW. If changes occur that require a slug control plan, DWQ will notify Nutrisol. Following notification, Nutrisol will have 90 days to develop a slug control plan, as required by the UPDES Permit Part I.F.

### **STORM WATER**

The Permit includes storm water requirements that require Nutrisol to obtain and maintain permits, if needed, due to activities at the Facility. See Part IV of the Permit for requirements.

The (North American Industry Classification System) NAICS Code for this facility is 311999. Based on this code, the Permittee is required to obtain coverage under the Multi-Sector General Permit (MSGP) for Storm Water Discharges Associated with Industrial Activities, which is defined by a Facility's Standard Industrial Classification (SIC) Code. The SIC code for this Facility requires coverage. The following link provides additional information regarding the UPDES Industrial Stormwater Permit:

<https://deq.utah.gov/water-quality/general-multi-sector-industrial-storm-water-permit-updes-permits>

Permit coverage under the Construction General Storm Water Permit (CGP) is required for any construction at the Facility that disturbs an acre or more or is part of a common plan of development or sale that is an acre or greater. A Notice of Intent (NOI) is required to obtain a construction storm water permit during construction. The following link provides additional information regarding the UPDES Construction General Storm Water Permit:

<https://deq.utah.gov/water-quality/general-construction-storm-water-updes-permits>

General UPDES Stormwater Permit requirements can be found at:

<http://stormwater.utah.gov>

### **PERMIT DURATION**

It is recommended that this Permit be effective for less than five (5) years. This will allow for an extension, if needed, when the Permit is renewed. This is beneficial because the requirements of 40 CFR 403 do not allow a pretreatment permit to be issued for more than five (5) years.

**PUBLIC NOTICE INFORMATION**

This information will be added following the public notice.

**PERMIT DEVELOPMENT INFORMATION**

Permit drafted  
by  
Jennifer Robinson

*Permit DWQ-2025-  
Fact Sheet DWQ-2025-*

Draft Permit DWQ-2026-002637  
Draft Fact Sheet DWQ-2026-002635  
Permit Application DWQ-2025-005046  
Public Notice Document DWQ-2026-002633=