



# STATE OF NEVADA

Department of Conservation & Natural Resources

Brian Sandoval, Governor

Leo M. Drozdoff, P.E., Director

DIVISION OF ENVIRONMENTAL PROTECTION

Colleen Cripps, Ph.D., Acting Administrator

## FACT SHEET

(Pursuant to NAC 445A.236)

**Permittee Name:** Allied Sanitation Services, LLC  
P.O. Box 1389  
Fernley, NV

**Permit Number:** NS2013503

**Location:** Peri & Son's Property  
Lyon County, NV 89447  
Latitude: 39° 07' 09" N, Longitude: 119° 12' 58" W  
T15N, R25E, Section 32 MDB&M

**General:** The applicant proposes to land apply domestic septage and grease trap material on a 40-acre agricultural site owned by Peri & Son's. The proposed application site is located approximately 1.5 miles northwest of the intersection of Butte Way and Farrell Lane in Lyon County. The application rate will be limited by the nitrogen uptake of the crop to be grown. Application rates and activities will take place in accordance with a site specific operation and maintenance manual submitted to, and approved by, the Division.

### **Proposed Septage Use Requirements:**

- Septage use shall meet all of the requirements of 40 CFR Section 503, Standards for the Use or Disposal of Sewage Sludge.
- The domestic septage and grease trap material must be incorporated into the soil within six (6) hours of land application.
- Food crops shall not be grown on land that has had domestic septage applied within the past five (5) years.
- Feed crops and fiber crops shall not be harvested for 30 days after the application of domestic septage and grease trap material.
- Animals shall not be allowed to graze on the land for thirty 30 days after the application of domestic septage and grease trap material.
- Turf grown on land where domestic septage is applied shall not be harvested for one year after the application of domestic septage and grease trap material if the harvested turf is to be placed on land with a high potential for public exposure or a lawn.

- Public access to the land application site shall be restricted for a minimum of one (1) year after the application of domestic septage and grease trap material.
- Domestic septage and grease trap material shall not be applied if it is likely to adversely affect a threatened or endangered species listed under Section 4 of the Endangered Species Act or its designated critical habitat.
- Domestic septage and grease trap material shall not be applied to agricultural land that is flooded, frozen, or snow-covered.
- Domestic septage and grease trap material shall not be applied to agricultural land that is 50 feet or less from any irrigation or drainage ditch, swale, intermittent stream, creek, river, wetland, lake, or other surface water.
- Domestic septage and grease trap material shall be applied to agricultural land at a septage application rate that is equal to or less than the agronomic rate for the domestic septage.
- Domestic septage and grease trap material shall not be applied to land if the depth to ground water is less than three (3) feet.
- Domestic septage and grease trap material shall not be applied to land within 100 feet of any public roadway or 600 feet of a residence.
- Domestic septage and grease trap material shall not be applied to land within 200 feet of a drinking water well not defined as a public water system well.
- Domestic septage and grease trap material shall not be applied within 1,000 feet of a public water system well.
- Domestic septage and grease trap material shall not be applied within 50 feet of an irrigation well that has been sealed per Nevada Administrative Code (NAC) 534.380.
- Domestic septage and grease trap material shall not be applied within 200 feet of an irrigation well that is not sealed or cannot be documented as sealed per NAC 534.380.
- All land application sites shall be fenced and posted with warning signs stating “DOMESTIC SEPTAGE APPLIED, NO TRESPASSING”, or similar.
- Equipment to incorporate the domestic septage and grease trap material into the soil shall be on-site and in operating condition at the time of land application.
- Domestic septage and grease trap material shall be land applied at a uniform rate by means of a spray bar, splash plate, or similar method approved by the Division.

- Domestic septage and grease trap material shall be screened through a ¾-inch or finer mesh screen to remove solids from the septage prior to land application. Solid material removed from the domestic septage and grease trap material shall be disposed in an approved landfill.
- The crop used to determine the annual application rate shall be planted within one-year of the land application of domestic septage and grease trap material.
- Dry land farming (dry cropping) is not authorized.

**Site Groundwater:** Groundwater at the application site is reported by the Permittee to be approximately 25 feet below ground surface. The Division of Water Resources Well Log Database lists five irrigation wells in section 32 with static water levels ranging from two to twenty feet below ground surface.

**Characteristics:** Only domestic septage and grease trap material may be land applied under this permit. No analysis of the domestic septage or grease trap material is required. Grease trap material shall be mixed with domestic septage at a rate of one part grease trap material to at least three parts domestic septage, by volume, prior to land application.

**Flow:** The application rate, in gallons of septage per acre per year, shall be based on the nitrogen demand of the crop to be grown.

$$\text{gallons/acre/year} = \text{pounds of nitrogen required per year} \div 0.0026$$

Example: For a crop with an annual nitrogen requirement of 130 pounds per acre, septage may be applied at a maximum rate of 50,000 gallons per acre per year.

Actual application rates will depend on the nitrogen requirement of the crop to be grown.

**Corrective Action Sites:** There are no Bureau of Corrective Actions remediation sites within a one-mile radius of the facility.

**Well Head and Drinking Water Supply Protection:** The application site is not located within a Drinking Water Protection Area or a Wellhead Protection Area established for any well sources.

**Schedule of Compliance:** The Permittee shall implement and comply with the provisions of the schedule of compliance after approval by the Administrator, including in said implementation and compliance, any additions or modifications which the Administrator may make in approving the schedule of compliance:

- a. The Permittee shall achieve compliance with the reuse limitations, monitoring requirements and conditions upon issuance of the permit.
- b. By **MMM DD, 2012** (within 60 days), the Permittee shall submit two (2) copies of a new Operations and Maintenance (O&M) Manual for review and approval by the Division. The O&M manual shall be compiled in accordance

with NDEP Water Technical Sheet WTS-42, *Septage and Biosolids Beneficial Use Application Sites*. The O&M manual shall include, but not be limited to, delineation of the 40-acre site, planned cropping practices, agronomic rates, septage application rates and justification for the application rates.

Before implementing changes to an approved O&M Manual, the Permittee shall submit proposed changes to the Division for review and approval.

All schedule of compliance submittals and evidence of compliance documents shall be submitted to the Bureau of Water Pollution Control at the address listed below:

**Nevada Division of Environmental Protection  
Bureau of Water Pollution Control  
901 S. Stewart Street, Suite 4001  
Carson City, Nevada 89701**

**Proposed Determination:** The Division has made the tentative determination to issue the proposed permit for a period of five (5) years.

**Procedures for Public Comment:** The Notice of the Division's intent to issue a groundwater discharge permit authorizing the Permittee to discharge domestic septage and grease trap material to groundwater of the State of Nevada for a five-year period, subject to the conditions contained within the permit, is being sent to the **Reno Gazette-Journal** and the **Mason Valley News** for publication. The Notice is being mailed to interested persons on our mailing list. Anyone wishing to comment on the proposed permit can do so in writing for a period of thirty (30) days following the date of public notice in the newspaper. The comment period can be extended at the discretion of the Administrator. The deadline date and time by which all comments are to be submitted (via postmarked mail or time-stamped faxes, e-mails, or hand-delivered items) to the Division is **November 30, 2012, by 5:00 P.M.**

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator or any interested agency, person or group of persons. The request must be filed within the comment period and must indicate the interest of the person filing the request and the reasons why a hearing is warranted.

Any public hearing determined by the Administrator to be held must be conducted in the geographical area of the proposed discharge or any other area the Administrator determines to be appropriate. All public hearings must be conducted in accordance with NAC 445A.238.

The final determination of the Administrator may be appealed to the State Environmental Commission pursuant to NRS 445A.605.

Prepared by: Arthur Marr, P.E.  
Date: October, 2012