



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., Administrator

FACTSHEET (pursuant to NAC 445A.236)

Permittee Name: PERI & SONS FARMS, INC
430 HWY 339
YERINGTON, NV - 89447

Permit Number: NS2007511

Location: PERI & SONS FARMS - MCMASTER RANCH FIELD #16, LYON
1.3 MILES NORTHWEST OF 86 BUTTE WAY, MASON VALLEY, NV - 89447
LATITUDE: 39.115556, LONGITUDE: -119.215833
TOWNSHIP: 15 N, RANGE: 25 E, SECTION: 32

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Outfall City	Outfall State	Outfall Zip	Outfall County	Latitude	Longitude	Receiving Water
001	MCMASTER FIELD #16	Land Application Site		MASON VALLEY TWP	NV	89447	LYON	39.115556	-119.215833	GROUNDWATER

General:

The applicant proposes to land apply septage (domestic septage and portable toilet fluid) to a 40-acre nutrient deficient site located approximately 1.5 miles northwest of the intersection of Farrell Lane and Butte Way in Mason Valley. The application site is located directly south of the Allied Sanitation Services Application site (NS2013503). The septage is pumped from portable toilets, septic tanks and holding tanks that serve the applicant's full time and seasonal workforce. Application rates and cropping activities will take place in accordance with a site specific operation and maintenance manual submitted to, and approved by, the Division.

Septage must be screened and incorporated into the soil within 6 hours of land application. A crop must be planted within one year of septage application. Food crops shall not be grown on land that has had septage applied within the last 5 years.

Discharge Characteristics:

Only domestic septage and portable toilet fluid may be land applied. The application of industrial or commercial waste is not authorized by this permit.

Receiving Water:

Receiving water is groundwater of the State via percolation. Groundwater at this location has been reported to flow to the northeast at a depth greater than 40 feet below ground surface.

Summary of Changes From Previous Permit:

1. Due to a new Permit naming convention at NDEP, Bureau of Water Pollution Control, the permit ID has been changed from NEV2007511 to NS2007511. This change does not reflect a change in the type of permit being issued.
2. Lyon County parcel APN 14-191-06 has been removed as an approved discharge location due to a lack of water available for irrigation.

Proposed Effluent Limitations:

The septage application rate in gallons per acre per year (gal/ac/yr) shall be based on the nitrogen demand of the crop to be grown.

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

Example: For a crop with an annual nitrogen requirement of 160 pounds (wheat silage), domestic septage may be applied at a maximum rate of 61,500 gallons per acre per year.

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

Special Conditions:

SA – Special Approvals / Conditions Table

Item #	Description
1	Material pumped from portable toilets, holding tanks, or similar devices where the material is unlikely to have been anaerobically digested shall be land applied at one-sixth of the standard domestic septage annual application rate (AAR) defined in Section B.SP.20.3.1. of this permit. AAR for these materials = 64.10 N
2	The Permittee is exempt from the requirements of Section B.SP.21.
3	If the crop seed germination rate is estimated to be less than 50% in any planted area, the area shall be replanted at the planting rate specified in the Operations and Maintenance (O&M) Manual.
4	If the harvested crop yield is less than the crop yield used to determine N, the domestic septage application rate shall be reduced a proportional amount in subsequent years.
5	If commercial nitrogen fertilizer or nitrogen from any other source is applied to this field, N shall be reduced a proportional amount.

Flow:

Permits authorizing the land application of septage do not include flow limitations. Application rates shall be based on the nitrogen demand of the crop to be grown.

Corrective Action Sites:

There are no NDEP Bureau of Corrective Actions remediation sites within a one-mile radius of this facility.

Wellhead Protection Program:

This facility is not located within a Drinking Water Protection Area or a Wellhead Protection Area established for any well sources.

Schedule of Compliance:

SOC – Schedule of Compliance Table

There are no Schedule of Compliance items

Deliverable Schedule:

DLV– Deliverable Schedule for Reports, Plans, and Other Submittals

Item #	Description	Interval	First Scheduled Due Date
1	Discharge Monitoring Reports	Quarterly	7/28/2014
2	Annual Report	Annually	1/28/2015

Procedures for Public Comment:

The Notice of the Division's intent to reissue a permit authorizing the facility to discharge to groundwater of the State of Nevada subject to the conditions contained within the permit, is being sent to the **Reno Gazette Journal and 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 until 5:00 P.M. **5/26/2014**, a period of 30 days following the date of the public notice. The comment period can be extended at the discretion of the Administrator.

A public hearing on the proposed determination can be requested by the applicant, any affected State, any affected interstate agency, the Regional Administrator of EPA Region IX 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 determined to be appropriate. All public hearings must be conducted to accordance with NAC 445A.238.

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

Proposed Determination:

The Division has made the tentative determination to issue / re-issue the proposed 5-year permit.

Prepared by: **Arthur B. Marr III**

Date: **3/18/2013**

Title: **P.E.**