



STATE OF NEVADA

Department of Conservation & Natural Resources

DIVISION OF ENVIRONMENTAL PROTECTION

Brian Sandoval, Governor

Leo M. Drozdoff, P.E., Director

Colleen Cripps, Ph.D., Administrator

FACT SHEET

(pursuant to NAC 445A.236)

Applicant: Charney 1996 Trust
P.O. Box 2229
Minden, Nevada 89423

Permit: NEV2012505

Location: Latitude: 39° 01' 18" N
Longitude: 119° 48' 30" W
Township 13N, Range 19E, Section 02

Corrective Actions Sites:

There are no Bureau of Corrective Actions (BCA) remediation sites located within a one-mile radius of the permitted facility.

Well Head and Drinking Water Supply Protection:

The Charney 1996 Trust Beneficial Use Site is not located within the 6000' Drinking Water Protection Areas (DWPAs) of any public water supply. The facility is not within any established Well Head Protection Zone.

General:

The Permittee proposes to land apply biosolids from Douglas County Sewer Improvement District (DCSID, permit NEV80033) to agricultural land, for beneficial use as a soil amendment and source of crop nutrients. The 47.9-acre application site located approximately 2.5 miles northeast of Genoa, Douglas County, Nevada. DCSID is providing a Class A, Exceptional Quality (EQ) product to the Permittee. EQ biosolids are defined as meeting all of the pollutant, pathogen, and vector attraction reduction requirements in Title 40 of the Code of Federal Regulations, Part 503 (40 CFR 503) - Standards for the Use or Disposal of Sewage Sludge. The material must be applied to the agricultural land within 72 hours of being delivered and incorporated into the soil within 60 days of being land applied. A crop must be planted to take up the nitrogen that is contained in the material within one year of land application. The application rate of biosolids will be based on the nitrogen demand of the crop to be planted. Dry land farming is not allowed.

Upon Division approval, additional reuse sites may be included in this permit. These additions shall be considered a minor modification to this permit, which will not require a public comment period before implementation. In order to be considered for inclusion in this permit, the additional sites must be less than 20 acres in size, and non-contiguous to each other, or the site specified in this permit. The allowable contiguity of the additional sites will be determined at the discretion of the Division. The additional sites, if approved, will require an updated O&M Manual, including the

nitrogen balance for the additional sites, and will be required to apply biosolids in accordance with the guidelines in this permit.

Receiving Water Characteristics:

The groundwater is reported by the Permittee to be approximately 4 feet below ground surface. Groundwater is not anticipated to be impacted by application within the constraints of this permit.

Discharge Characteristics:

Only biosolids obtained from DCSID may be land applied under this permit. No industrial or commercial wastewater or solids, including car wash wastes, may be land applied. Analysis of the biosolids is required; the biosolids are required to conform to Class A, EQ parameters for metals, pathogens, and vector attraction reduction, as outlined in 40 CFR 503. The application rate of biosolids must not exceed the Agronomic Uptake Rate of the crop to be harvested at the site.

Flow:

The application rate, in tons of biosolids per acre per year, shall be based on the nitrogen demand of the crop to be grown.

Proposed Determination:

The Division has made the tentative determination to issue the proposed permit for a five (5) year period.

Proposed Biosolids Use Requirements:

Biosolids use must meet all of the requirements of 40 CFR 503, Standards for the Use or Disposal of Sewage Sludge.

- Biosolids shall not be applied to land if the depth to groundwater is less than 3 feet.
- Biosolids shall not be applied to land within 100 feet of any public roadway or 600 feet from a residence.
- Biosolids shall not be applied to land within 200 feet of a drinking water well not defined as a public water system well.
- Biosolids shall not be applied within 1,000 feet of a public water system well.
- All land application sites shall be fenced and posted with warning signs stating “BIOSOLIDS APPLIED, NO TRESPASSING” or similar.
- Biosolids shall not be applied within 50 feet of an irrigation well that has been sealed per Nevada Administrative Code (NAC) 534.380.
- Biosolids 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.

- Biosolids shall not be applied within 50 feet of any irrigation or drainage ditch, swale, intermittent stream, creek, river, wetland, lake, or other surface water.
- Equipment to incorporate the biosolids into the soil shall be on-site and in operating condition at the time of land application.
- The biosolids shall be applied to the agricultural land within 72 hours of delivery and incorporated into the soil of the agricultural reuse site within 60 days of land application. No significant amount (less than 5% of the surface area) of biosolids shall be visible on the surface 72 hours after the incorporation of biosolids.
- Food crops shall not be grown on land that has had biosolids applied within the past five (5) years.
- Public access to the land application site shall be restricted for a minimum of one (1) year after application of biosolids.

Rationale for Permit Requirements:

Permit requirements are necessary to protect the public health and prevent the beneficial use site from becoming a public nuisance and a source of groundwater contamination. Permit conditions are based on the United States Environmental Protection Agency's requirements for land application of biosolids, which can be found in Title 40 of the Code of Federal Regulations, section 503 (40 CFR 503).

Procedures for Public Comment:

The Notice of the Division's intent to issue a permit authorizing the facility to discharge to the groundwater of the State of Nevada subject to the conditions contained within the permit is being sent to the **Record Courier** and the **Reno Gazette Journal** 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. October 1, 2012**, 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. Public hearings granted by the Division shall 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.