



FACTSHEET
(pursuant to NAC 445A.236)

Permittee Name: CLARK COUNTY SCHOOL DISTRICT
4190 MCLEOD DRIVE
LAS VEGAS, NV - 89121

Permit Number: NS2015502

Location: SANDY VALLEY SCHOOL, CLARK
1420 EAST PEARL AVENUE, SANDY VALLEY, NV - 89019
LATITUDE: 35.81272660, LONGITUDE: -115.61814960
TOWNSHIP: T24S, RANGE: R57E, SECTION: S32

Outfall / Well Num	Outfall / Well Name	Location Type	Well Log Num	Outfall City	Outfall State	Outfall Zip	Outfall County	Latitude	Longitude	Receiving Water
001	SEPTIC SYSTEM #1 (5,000 GAL)	External Outfall		SANDY VALLEY	NV	89019	CLARK	35.81272660	-115.618149	GROUNDWATER
002	SEPTIC SYSTEM #2 (6,000 GAL)	External Outfall		SANDY VALLEY	NV	89019	CLARK	35.81272660	-115.618149	GROUNDWATER
003	SEPTIC SYSTEM #3 (3,500 GAL)	External Outfall		SANDY VALLEY	NV	89019	CLARK	35.81272660	-115.618149	GROUNDWATER
004	SEPTIC SYSTEM #4 (2,500 GAL)	External Outfall		SANDY VALLEY	NV	89019	CLARK	35.81272660	-115.618149	GROUNDWATER
005	SEPTIC SYSTEM #5 (4,775 GAL)	External Outfall		SANDY VALLEY	NV	89019	CLARK	35.81272660	-115.618149	GROUNDWATER
MW1	MONITORING WELL #1	External Outfall		SANDY VALLEY	NV	89019	CLARK	35.81272660	-115.618149	GROUNDWATER

General:

This is a major modification to Permit NS2015502 which was recently issued with an effective date of March 1, 2015. The major modification was requested by the Permittee to add a new septic tank and associated leach field for a proposed gymnasium at the school site. The proposed septic tank and leach field will have the capacity to treat an additional domestic wastewater flow of 4,775 gallons per day. The modification will create a total treatment capacity of 21,775 gallons per day.

The Permittee, Clark County School District (CCSD), formerly applied for a new permit NS2015502 to replace general permit GNEVOSDS09 for the on-site sewage disposal systems (OSDS) at Sandy Valley School. The school is located at 1420 East Pearl Avenue in Sandy Valley, Nevada. The existing OSDS had a total treatment capacity of 14,500 gallons per day. CCSD was authorized for this discharge under general permit GNEVOSDS09. In the current permit CCSD proposed to construct another building structure connected to a new septic tank and associated leach field. This improvement created a total treatment capacity of 17,000 gallons per day.

Discharge Characteristics:

This permit will authorize the discharge of OSDS treated domestic wastewater to groundwater of the State of Nevada via percolation in leach fields. The discharge of any toxic, hazardous, industrial, or laboratory waste from any OSDS is strictly prohibited.

Receiving Water:

The receiving water is groundwater of the State. The depth to groundwater is approximately 90 feet below ground surface, per well log information obtained from the State of Nevada Division of Water Resources. In addition, records from the NDEP indicate nitrate concentrations in groundwater are less than 2.5 milligrams per liter.

Summary of Changes From Previous Permit:

This is a major modification to this recently issued Permit NS2015502. An additional septic system (Septic System #5) with a treatment capacity of 4,775 gallons per day will be constructed to treat domestic wastewater from a proposed gymnasium.

Proposed Effluent Limitations:

During the period beginning on the effective date of this permit and lasting until the permit expires, the Permittee is authorized to discharge no more than 21,775 gallons per day of domestic wastewater to groundwater of the State via effluent absorption systems.

Groundwater Monitoring Wells Table for Sample Location Mw1 (External Outfall) To Be Reported Quarterly

Parameter	Discharge Limitations			Monitoring Requirements			
	Base	Quantity	Concentration	Monitoring Loc	Sample Loc	Measurement Frequency	Sample Type
Depth to water level ft below landsurface ^[1]	Value	M&R Feet (ft)		Groundwater	MW1	Quarterly	DISCRT
Water Elevation ^[2]	Value	M&R Feet (ft)		Groundwater	MW1	Quarterly	DISCRT
Nitrogen, total	Value		<= 10 Milligrams per Liter (mg/L)	Groundwater	MW1	Quarterly	DISCRT
Solids, total dissolved	Value		M&R Milligrams per Liter (mg/L)	Groundwater	MW1	Quarterly	DISCRT
Chloride (as Cl)	Value		M&R Milligrams per Liter (mg/L)	Groundwater	MW1	Quarterly	DISCRT

Notes (Groundwater Monitoring Wells Table):

1. Depth to groundwater (static water level), ft.
2. Groundwater level relative to mean sea level.

Rationale for Permit Requirements:

Per NAC 445A.9632, annual reports shall be submitted by the owner or operator of OSDS.

Special Conditions:

SA – Special Approvals / Conditions Table

Item #	Description
1	Septic tank treatment and disposal systems shall be used only for the treatment of domestic sewage. Domestic sewage is defined in NAC 445A.9532 and means any liquid and water-borne waste that is derived from the ordinary living process and is of such a character as to permit its satisfactory disposal into a public sewer or an on-site sewage disposal system without special treatment. The term does not include industrial waste. The discharge of toxic, hazardous, industrial, or laboratory waste material to any permitted OSDS is strictly prohibited.
2	The Permittee shall conduct regular and routine inspections and maintenance in accordance with the Division-reviewed O&M Manual.
3	The Permittee shall submit an Annual Large-Capacity Septic System Evaluation Report to the Division on or before January 28th of each year. The depth of scum, sludge, and total liquid in all septic tanks shall be measured every year and reported as the annual report. Measurements may be made at any time during the 12-month reporting period.
4	Septic tanks shall be pumped by a licensed septage hauler whenever the combined depth of scum and sludge equals or exceeds 50% of the total liquid depth, or more frequently as necessary to maintain efficient solids removal. The date, tank number, volume of septage removed, and the name of the septage hauler shall be maintained on-site in accordance with Part A.11 of this permit. Sludge disposal shall be in accordance with applicable regulations.
5	The rated treatment capacity of each septic system shall not be exceeded.
6	Surfacing of any substance from a septic system is strictly prohibited.
7	Discharge from Septic System #5 is prohibited until item #3 of SOC is completed.

Flow:

The combined capacity of the OSDS at this site is 21,775 gallons per day.

Corrective Action Sites:

There are no Bureau of Corrective Actions remediation sites located within one mile of this facility.

Wellhead Protection Program:

The site is located within 1,000 feet of one non-community drinking water well owned by CCSD. A wellhead protection area has not been established for this area.

Schedule of Compliance:

SOC – Schedule of Compliance Table

Item #	Description	Due Date
1	The Permittee shall submit two copies of a new septic system Operations and Maintenance (O&M) Manual for review by the Division. The O&M Manual shall be prepared by a Nevada Registered Professional Engineer or other qualified person. ^[1]	6/28/2015
2	The Permittee shall verify by letter and engineer's stamp that construction of Septic System #4 was completed according to the OSDS construction plans dated: October 27, 2014.	3/1/2015
3	The Permittee shall verify by letter and engineer's stamp that construction of Septic System #5 was completed according to the OSDS construction plans dated: August 2015.	1/28/2016
4	The Permittee shall submit for review and approval design plans for the installation of one down-gradient groundwater monitoring well. The design plans shall be submitted by a hydrogeologist or Nevada Registered Professional Engineer in accordance with NDEP guidance document WTS-4, "A Guidance Document for the Design and Construction of Groundwater Monitoring Wells for Use at Wastewater Treatment Facilities."	1/28/2016
5	The Permittee shall submit documentation confirming the down-gradient groundwater monitoring well was installed.	4/28/2016

Notes (Schedule of Compliance Table):

- O&M Manuals prepared by a Nevada Registered Professional Engineer must be signed and stamped in accordance with NAC 625.610.

Deliverable Schedule:

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

Item #	Description	Interval	First Scheduled Due Date
1	Annual Large-Capacity Septic System Evaluation Report	Annually	1/28/2016

Procedures for Public Comment:

The Notice of the Division's intent to issue 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 **Las Vegas Review 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. **10/12/2015**, 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: **Kenneth Greene**

Date: **9/3/2015**

Title: **P.E.**