



LARGE UNDERGROUND WASTEWATER OPERATING PERMIT

Division of Water Quality

NAME OF SYSTEM: ZION MOUNTAIN RESORT - 25 Resident/Transient Cabins

CONTACT PERSON/ MAILING ADDRESS/ PHONE NO: Kevin McClaws, 2923 Crestview Dr., Santa Clara, 84765 435-648-2555

SYSTEM LOCATION: 9065 W. Hwy 9, Mt. Carmel, Kane County (South of Hwy.9)

ISSUE DATE: 2/25/2010

EXPIRATION DATE:2/25/2015

ISSUED BY: _____, Walter L. Baker, P.E., Executive Secretary, Water Quality Board

Until such time as this permit expires or is modified or revoked, the permittee is authorized to operate a large underground wastewater disposal system in conformance with all the requirements, limitations, and conditions set forth in Utah Administrative Code R317-5, with the attached schedules as follows:

SCHEDULE A

Waste Disposal Limitations

- 1. The permittee is authorized to operate and maintain a large underground wastewater disposal system that has been constructed in accordance with plans and specifications approved by the Division of Water Quality and with the following conditions:
a. System type: [X] Conventional Gravity; [] Conventional with Pump-to-Gravity; [] Pressure Distribution; [] Alternative (describe)
b. Maximum Daily Design Flow of _____(gpd) 25 Cabins
c. Components of wastewater disposal system (check): [X] Septic Tanks (2); [] Enhanced Treatment Unit; [] Grease Trap (in Restaurant); [] Pump Tank with Floats; [] Control Panel; [] Distribution Box; [] Pressure Distribution; [] Drip Irrigation; [] Trenches; [] Deep Trench; [] Bed; [] Mound; [] Other (describe)
d. Drainfield media: [] Gravel; [] Gravelless Chambers
e. Effluent parameters will meet R317-4 for domestic wastewater or additional treatment may be required.
f. Provide tank sizes (volume) and submit with required annual report (due August 1, 2010).
2. Discharge of untreated or partially treated sewage or septic tank effluent directly or indirectly onto the ground surface or into the surface waters of the state constitutes a public health hazard and is prohibited. This permit does not relieve the permittee from responsibility for compliance with any other applicable federal, state, or local law(s), rule(s) or standard(s).
3. No cooling water, air conditioner water, ground water, oil, hazardous materials, roof drainage, storm water runoff, or other aqueous or non-aqueous substance which is, in the judgment of the Division, detrimental to the performance of the system or to groundwater, shall be discharged into the wastewater treatment system.
4. No activities shall be conducted that could cause an adverse impact on existing or potential beneficial uses of groundwater.

SCHEDULE B

Required Servicing and Inspections

- 1. [X] Annually; [] Semi-Annually (Every 6 months); [] Other (specify)
2. All servicing and inspections must be conducted by a certified maintenance person per R317-11. Level 2 is required for conventional systems and Level 3 for all other LUWDS.

Name of person performing maintenance on this system: _____

[X] Level 2; [] Level 3

ZION MOUNTAIN RESORT

3. If Sample results exceed Operating Parameters (other than Flow of wastewater) in table titled “Minimum Monitoring and Reporting Requirements”, report to the Division within 5 days and follow rules in R317-5-1.4 (F).

Inspection Components

TYPE OF SYSTEM	Measure sludge/scum levels, pump when necessary: <ul style="list-style-type: none"> Septic Tank Pump Tank Grease Trap 	Inspect and clean when necessary: <ul style="list-style-type: none"> Pump/Floats Control Panel Pump Filter 	Flush/ clean pressure laterals; inspect for ponding or surfacing in dispersal area; reset squirt height for equal pressure.	Manufacturers Recommendations: <ul style="list-style-type: none"> Recirc Tank Pre-Treatment Unit Misc.
Conventional Gravity or Pump-to-Gravity	X	X	X	
Pressure System				
Mound, At-Grade				
Packed Bed				

Minimum Frequency of Periodic Inspections

TYPE OF SYSTEM	Every 12 months	Every 6 months
Conventional System (Gravity or Pump-to-Gravity): 5,000 - 15,000 gal/day 15,000 + gal/day		X
At-Grade Alternative System (first 5 years only)		
Mound (pressure)		
Packed Bed		
Treatment System (to lower waste strength levels)		

* Or more per manufacturer requirements

Minimum Monitoring and Reporting Requirements

Item or Parameter	Minimum Frequency	Type of Sample	Operating Parameters
Flow of wastewater (gpd)	Monthly	Measurement based on meter readings	Approved design flow (gpd)
COD, TSS			
Total Inorganic Nitrogen (TIN)			

Reporting

Monitoring, maintenance practices, solids handling and results shall be reported on Division approved forms. Reports must be submitted by **August 1, following the “reporting year” period of July 1 to June 30.**

Mail Reports to (permitting agency): Division of Water Quality, c/o David Snyder, P O Box 144870, Salt Lake City, UT 84114-4870.

Office: 801-538-6146 Fax: 801-538-6016

SCHEDULE CSpecial & General Conditions

- All septage/sludge shall be managed by a licensed sewage scavenger (pumper) as defined in R317-550
- Any observations of excessive kitchen wastes, surfacing sewage, etc., must be reported to the Division within 5 working days.
- The permittee must maintain all treatment and control facilities in good working order and in conformance with permit requirements.