



LARGE UNDERGROUND WASTEWATER OPERATING PERMIT

Division of Water Quality

NAME OF SYSTEM: KENNECOTT COPPERFIELD TRUCK SHOP EXPANSION

CONTACT PERSON/ MAILING ADDRESS/ PHONE NO: Glen M. Eurick, Sr. Engineer Permitting
4700 Daybreak Parkway, South Jordan 84095
801-204-2113

SYSTEM LOCATION: Bottom of Mine, in rear of Truck Shop

Re- ISSUE DATE: 05/08/2014 EXPIRATION DATE: 05/08/2019

ISSUED BY: \_\_\_\_\_, Walter L. Baker, P.E., Director, Division of Water Quality

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: [ ] Conventional Gravity; [ ] Conventional with Pump-to-Gravity; [X] Pressure Distribution; [ ] Alternative (describe) \_\_\_\_\_
b. Maximum Daily Design Flow of 12,000(gpd)
c. Components of wastewater disposal system (check): [X] Septic Tanks; [ ] Enhanced Treatment Unit; [ ] Grease Trap; [X] Pump Tank with Floats; [X] Control Panel; [ ] Distribution Box; [X] Pressure Distribution; [ ] Drip Irrigation; [X] Trenches; [ ] Deep Trench; [ ] Bed; [ ] Mound [ ] Other (describe) \_\_\_\_\_
d. Drainfield media: [ ] Gravel; [X] Gravelless Chambers
e. Effluent parameters will meet R317-4 for domestic wastewater or additional treatment may be required.
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. [ ] Annually; [X] 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: Mike Huber, P. E.

[ ] Level 2; [X] Level 3

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 R317-5-9.2.(D).

### Inspection Components

TYPE OF SYSTEM	Measure and record depth of sludge/ scum levels, pump when necessary: <ul style="list-style-type: none"> <li>• Septic Tank</li> <li>• Pump Tank</li> <li>• Grease Trap</li> </ul>	Inspect and clean when necessary, with date performed: <ul style="list-style-type: none"> <li>• Pump/Floats</li> <li>• Control Panel</li> <li>• Pump Filter</li> </ul>	Flush/ clean pressure laterals, measurement of height; inspect for ponding or surfacing in dispersal area; reset squirt height for equal pressure- and date inspected.	Manufacturers Recommendations: <ul style="list-style-type: none"> <li>• Recirc Tank</li> <li>• Pre-Treatment Unit</li> <li>• Misc.</li> <li>• and date inspected</li> </ul>
Conventional Gravity or Pump-to-Gravity				
Pressure System	X	X	X	
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)
Turbidity or BOD/ COD and TSS			
Total Inorganic Nitrogen (TIN)			
E. coli			

### 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 Engineering Section, P O Box 144870, Salt Lake City, UT 84114-4870.**

**Office: 801-536-4300 Fax: 801-536-4301**

## SCHEDULE C

### Special & General Conditions

1. All septage/sludge shall be managed by a licensed liquid waste operator as defined in R317-550
2. Any observations of excessive kitchen wastes, surfacing sewage, etc., must be reported to the Division within 5 working days.
3. The permittee must maintain all treatment and control facilities in good working order and in conformance with permit requirements. OperatingPermit blank.doc- Operating Permit File 3/14dgs