



LARGE UNDERGROUND WASTEWATER OPERATING PERMIT
Division of Water Quality

FILE COPY

NAME OF SYSTEM: ZION RIVER RV RESORT

CONTACT PERSON/MAILING ADDRESS/PHONE NO: Mason Walters and Bob Sebold PO Box 790219
 Virgin UT 84737 4356358594

SYSTEM LOCATION: 551 E. Hwy.9, Virgin, UT, Washington County

ISSUE DATE: 11/04/2014 **EXPIRATION DATE:** 11/04/2019

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;
 Pressure Distribution;
 Alternative (describe) _____

b. Maximum Daily Design Flow of **18,277 gpd**

c. Components of wastewater disposal system (check)

- | | |
|---|--|
| <input type="checkbox"/> Recirculating Tank | <input checked="" type="checkbox"/> Septic Tanks; |
| <input type="checkbox"/> Grease Trap | <input checked="" type="checkbox"/> Distribution Box (5) |
| <input checked="" type="checkbox"/> Pump Tank With Floats | <input type="checkbox"/> Pressure Distribution |
| <input type="checkbox"/> Control Panel | <input type="checkbox"/> Drip Irrigation |
| <input type="checkbox"/> Trenches | <input type="checkbox"/> Enhanced Trt Unit |
| <input type="checkbox"/> Deep Trench | <input type="checkbox"/> Ratcheting Valve Box |
| <input checked="" type="checkbox"/> Bed (10) | <input type="checkbox"/> Mound |
| <input checked="" type="checkbox"/> Other (describe) Effluent Filters (4) | |

d. Drainfield media Gravel: 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 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
- 4.. No activities shall be conducted that could cause an adverse impact on existing or potential beneficial use of groundwater.

SCHEDULE B

Required Servicing and Inspections

1.. 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: /

Level 2 Level 3 *Note: if this person is replaced with another maintenance person, the owner must notify the Division within 30 day of change.*

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 DWQ-2014-012720 NF

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- 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: * Septic Tank * Pump Tank * Grease Trap	Inspect and clean when necessary * 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: * Recirc Tank * Pre-Treatment Unit * Misc
Conventional Gravity or Pump-to-Gravity	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Pressure System (Drip)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Mound, At-Grade	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Packed Bed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

** Or more per manufacturer requirements*

Minimum Frequency of Periodic Inspections

TYPE OF SYSTEM	Every 12 months	Every 6 months
Conventional Gravity or Pump-to-Gravity 5,000 - 15,000 gal/day	<input type="checkbox"/>	<input checked="" type="checkbox"/>
15,000 + gal/day	<input type="checkbox"/>	<input type="checkbox"/>
At-Grade Alternative System (first 5 years only)	<input type="checkbox"/>	<input type="checkbox"/>
Mound (drip, pressure)	<input type="checkbox"/>	<input type="checkbox"/>
Packed Bed	<input type="checkbox"/>	<input type="checkbox"/>
Treatment System (to lower waste strength levels)	<input type="checkbox"/>	<input type="checkbox"/>

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 and must be submitted by **August 1, following the "reporting year" period of July 1 to June 30.**

Mail or email Reports to (permitting agency): Division of Water Quality, c/o LUWDS, PO Box 144870, Salt Lake City, UT 84114-4870

Office: 801-536-4329 Fax: 801-536-4301 email: LUWDS@utah.gov

SCHEDULE C

Special and General Conditions

1. All septage/sludge shall be managed by a licensed sewage scavenger (pumper) as defined in R317-550.
2. Any observations of excessive kitchen wastes, surfacing sewage, etc., must be report 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.



LARGE UNDERGROUND WASTEWATER SYSTEM

FILE COPY

OPERATING PERMIT RENEWAL APPLICATION (Per Rule R317-5-1.4) Division of Water Quality

NAME OF SYSTEM: Zion River Resort
OWNER NAME: Ron Smith
Phone: (435) 635-8594 email: Zionrv@zrr.com
CONTACT NAME: Mason Walters and Bob Sebald
Phone: (435) 635-8594 email: mason@zrr.com
CONTACT ADDRESS: 551 East Hwy 9 - PO Box 790219
City: Virgin State: UT Zip Code: 84779
County: Washington
LOCATION OF SYSTEM: 551 East Hwy 9
City: Virgin State: UT Zip Code: 84779
County: Washington

1. WERE THERE ANY CHANGES TO THE SYSTEM? Yes No If Yes, describe on separate page

2. VERIFY TYPE OF SYSTEM:

- Conventional Gravity Pressure Distribution
 Conventional with Pump-to-Gravity Alternative (describe) _____

3. VERIFY THE MAXIMUM DAILY DESIGN FLOW (gallons per day) 18,277

4. VERIFY THE COMPONENTS OF SYSTEM:

Describe

<input checked="" type="checkbox"/> Septic Tanks	
<input type="checkbox"/> Treatment Unit	
<input type="checkbox"/> Grease Trap	
<input checked="" type="checkbox"/> Pump Tank with Floats	
<input type="checkbox"/> Control Panel	
<input checked="" type="checkbox"/> Distribution Box	
<input type="checkbox"/> Pressure Distribution	
<input type="checkbox"/> Drip Irrigation	
<input type="checkbox"/> Trenches	
<input type="checkbox"/> Deep Trench	
<input checked="" type="checkbox"/> Other	<u>Effluent Filters (4)</u>
Drainfield Media:	<input checked="" type="checkbox"/> Gravel <input type="checkbox"/> Graveless

Signature: Mason Walters Date: 9/10/14