

AGENCY OF NATURAL RESOURCES
Department of Environmental Conservation
1 National Life Drive, Main 2
Montpelier, VT 05620-3521

INDIRECT DISCHARGE PERMIT
FACT SHEET

May 2017

PERMIT NO.: ID-9-0088
APPLICANT: Lodge at Pinnacle View
LOCATION: 311 Route 11, Winhall, Vermont
NATURE OF WASTE: Treated domestic sewage
DISPOSAL METHOD: Sprayfield
DISPOSAL LOCATION: USGS Londonderry 15' quadrangle map at Latitude N 43° 12' 25" and Longitude W 72° 57' 31". The spray disposal system is located between elevations 1930' and 1990'.

COMPLIANCE WITH SPRAY EFFLUENT LIMITS

For the period January 1, 2012 – December 31, 2016 the following limits were exceeded for spray effluent discharged to the existing sprayfield:

Parameter	Permit Limits	Number of Exceedances	Number Samples/ Days
Discharge Flow	29,066 gallons/7 consecutive days	0	167
BOD5	30 mg/L	0	10
TSS	30 mg/L	0	10
E. coli	77 col/100 mL	4 ¹	13
Chlorine Residual	4 mg/L total or 1 mg/L free (min.)	0	167

BOD5 = Biochemical Oxygen Demand (5-day)
TSS = Total Suspended Solids

Notes:

1. resampled on two occasions and met limit

SUMMARY OF SPRAY EFFLUENT QUALITY

The following is a summary of spray effluent quality, based on 10 sampling events during the period 2012 - 2016.

Parameter	Mean (mg/L)	Range (mg/L)
Biochemical Oxygen Demand (5-day)	7	< 2.5 – 15
Total Suspended Solids	7	< 2 – 30.4
Ammonia Nitrogen	9.9	0.324 – 27
Nitrate Nitrogen	3.1	0.17 – 19.3
Total Dissolved Phosphorus	2.6	1.29 – 4.5
E-coli	11 ¹	<1 – 1414
Chloride	38	16 – 160
pH	6.46 S.U.	6.02 – 7.71 S.U.
<u>Notes:</u> 1. geometric mean		

PROPOSED ACTION

The Department of Environmental Conservation intends to issue a permit renewal to the Lodge at Pinnacle View. The permittee is not required to demonstrate compliance with the Aquatic Permitting Criteria of the Indirect Discharge Rules because the treatment and disposal system is considered an existing indirect discharge as defined in §14-300 of the Indirect Discharge Rules. No significant changes are proposed for the permit renewal.

Tentative determinations regarding conditions to be included in the pending Vermont Indirect Discharge Permit have been made by the Vermont Agency of Natural Resources, Department of Environmental Conservation. The conditions imposed will assure that the Vermont Water Quality Standards and applicable provisions of 10 V.S.A. Chapter 47 will be met.