

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

**INDIRECT DISCHARGE PERMIT**  
**FACT SHEET**

September 2017

**PERMIT NO.:** ID-9-0086  
**APPLICANT:** Housing Foundation – Windy Hill Acres Mobile Home Park  
**LOCATION:** Springfield and Weathersfield, Vermont  
**NATURE OF WASTE:** Treated domestic sewage  
**DISPOSAL METHOD:** Sprayfield  
**DISPOSAL LOCATION:** Latitude N 43° 20' 31" and Longitude W 72° 27' 44".

**COMPLIANCE WITH PERMIT LIMITS**

For the period July 1, 2012 – June 30, 2017 the following limits were exceeded for effluent discharged to the sprayfield:

Parameter	Permit Limits	Number of Exceedances	Number Samples/ Days
Influent Flow	16,200 gallons per day	unknown <sup>1</sup>	1,826
Effluent Discharge	119,000 gallons/7 consecutive days	3 <sup>2</sup>	760
BOD5	30 mg/L	10	61
TSS	30 mg/L	6	61
E. coli	77 col/100 mL	7	63
Chlorine Residual	4 mg/L total or 1 mg/L free (min.)	9	760

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

Notes:

1. Cannot determine number of exceedances due to flow meter being drastically out of calibration prior to 2015. Influent flows indicate significant increase in flows with precipitation.
2. Does not include many days in April 2017 when discharge limit was exceeded. Approval was granted to exceed limits due to full lagoon and heavy rain/snowmelt.

## SUMMARY OF EFFLUENT TREATMENT

The following is a summary of effluent treatment, based on 60 sampling events during the period July 1, 2012 – June 30, 2017.

Parameter	Influent Mean	Effluent Mean
Biochemical Oxygen Demand (5-day)	263 mg/L	19 mg/L
Total Suspended Solids	125 mg/L	12 mg/L

## PROPOSED ACTION

The Department of Environmental Conservation intends to issue a permit renewal to the Housing Foundation for the discharge of treated domestic sewage from the Windy Hill Acres Mobile Home Park. 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.

The following noteworthy changes are proposed for the permit renewal:

Condition D4(C): The implementation schedule is now due by August 1st each year.

Former Condition D5: The pre-winter sprayfield inspection requirement has been removed from the permit because the sprayfield is reportedly being better maintained these days.

Condition E1: Influent BOD and TSS sampling has been removed from the sampling requirements due to an abundance of historical results.

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.