

INDIRECT DISCHARGE PERMIT FACT SHEET

November, 2016

PERMIT NO.: ID-9-0289
APPLICANT: Eastfield Condominium Association
NATURE OF WASTE: Treated Domestic Wastewater
DISPOSAL METHOD: Leachfields
DISPOSAL LOCATION: USGS 7.5' Gibson Mountain, Vermont quadrangle map at Latitude N 44° 39' 21.23" and Longitude W 72° 59' 52.50"
RECEIVING WATER: Lamoille River

Aquatic Permitting Criteria

Based on groundwater monitoring data for the period September 2011 – September 2016, the following table demonstrates that the indirect discharge of treated sewage from the Eastfield Condominiums meets the aquatic permitting criteria of the Indirect Discharge Rules in the Lamoille River:

Parameter	Discharge Conc. (a)	Upstream Conc. (b)	Calculated Downstream Conc. (c)	Downstream Conc.	IDR Limits
TDP	0.031 mg/L	0.014 mg/L	0.014 mg/L	(d)	0.015 mg/L (e)
NO3	37.9 mg/L	0.50 mg/L	0.50 mg/L	(d)	2.0 mg/L
pH	6.29 S.U.	6.6 – 7.73	-	(d)	6.6 – 7.73 (f)

Notes:

- (a) Based on 5% Exceedance Value of groundwater sampling results from 22 samples collected downgradient of the leachfields. All total dissolved phosphorus (TDP) and nitrate (NO3) values based on normal distribution of raw data. Mean value used for pH data.
- (b) Based on 95% Confidence Value of historical data for Lamoille River.
- (c) Based on maximum allowable discharge of 11,102 gpd and Lamoille River low median monthly flow of 211,299,700 gpd.
- (d) Monitoring not required due to 19,032:1 dilution ratio of Lamoille River at low median monthly flow.
- (e) Reflects 0.001 mg/l allowed increase above background concentration
- (f) Based on background pH range.

Proposed Action

The Department of Environmental Conservation intends to issue an indirect discharge permit renewal to the permittee. No significant changes to permit conditions are proposed.

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.