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## SEPTIC SYSTEM NITROGEN RENOVATION ANALYSIS

Client: PC Survey
Project: Halls Hill Road
Proj. No: 21019

Prepared By: NET
Checked By:

Date: 11/1/2021
Date:

| | | | |
|---|---|---|---|
| # bedrooms | 3 | | (Each bedroom contributes 150 gpd) |
| nitrogen concentration in raw wastewater | 40 | mg/l | (Typical household wastewater = 40 mg/l) |
| pretreatment nitrogen removal | 40 | % | (Typical removal in septic tank = 40%) |
| Average daily precipitation | 0.012 | $ft/ft^2$ | (CT average precipitation = 0.012 $ft/ft^2$/day) (52 inches per year) |
| Dilution drainage area | 7,430 | $ft^2$ | (Only areas on the subject property should be included in the drainage area) |
| Average runoff coefficient | 0.2 | | |
| **Diluted nitrogen concentration** | **11.0** | **mg/l** | (Drinking water standard is 10 mg/l, max.) |

Analysis methodology is taken from "Seepage and Pollutant Revonvation Analysis for Land Treatment Sewage Disposal Systems, CT DEP, Revised 1997"

STATE OF CONNECTICUT
NORMAND THIBEAULT, JR.
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LICENSED
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11/01/2021