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**PLANNING DEPARTMENT
HOLLIS, N.H.**



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Source Control Plan

Proposed Gas Station and Retail Development
82 Runnells Bridge Road, Hollis, NH

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1. Introduction

This project proposes a site development consisting of a gas/convenience store and a retail store with associated access, parking, drainage improvements, and utility infrastructure. The proposed development will be adjacent to the existing building located on site which is proposed to be razed. Site improvements include two new buildings with associated paved parking areas. Stormwater management areas will be provided to attenuate stormwater associated with the development. The site will be serviced by on-site wells, individual sewerage systems, underground utilities and on-site drainage measures.

The proposed gas station will include one canopied fueling area with five dispensers (10 fueling locations) each with multi-product dispensing. The gas station will have 2 gasoline underground storage tanks (UST) with a total volume of 28,000 gallons, and one diesel UST with a volume of 15,000 gallons. The gas station is classified as a high-load area, Env-Wq 1502.26.

This source control plan has been prepared as part of the storm water management system for the proposed development. The intent of the source control plan is to implement additional measures for control of stormwater runoff from the high-load areas on site. These areas include the fueling/dispenser concrete pad, the concrete tank mat, and the surrounding paved drive aisles that access these locations.

2. UST System Components

The applicant proposes to use: triple wall USTs, triple wall piping, double wall collared tank sumps, double wall dispenser sumps, all sump entry boots to be of a ridge design, continuous leak monitoring will be provided for all interstitial spaces, 5-gallon spill buckets within containment sumps, fuel pumps will be turned off when sump sensors detect liquid, double wall vent piping, groundwater monitoring wells will be installed between the non-compliant setback water wells and the USTs, a release detection permit will be implemented and groundwater will be sampled semiannually.

3. Fueling Canopy

The canopy structures are intended to provide cover for those using the fueling dispensers, as well as to prevent direct rainfall contact with the concrete pad and fueling areas below. A fueling canopy is provided over the five proposed fuel dispensers. Canopy runoff will be directed into roof drains and detained in a closed drainage system which leads to a Stormtech underground chamber system. The canopy downspouts will not discharge onto the dispensing concrete pad. The canopy and roof drains; therefore, prevent any rainfall from directly flowing across the fueling areas.

4. Positive Limiting Barriers (PLB's)

Surrounding all of the fuel dispensers is a concrete pad with positive limiting barriers (PLB's) which act as spill containment grooves. The concrete fueling pad measures approximately 27' x 117.8' around the five dispensers. These PLB's are centered on the dispensers and are positioned approximately 7.8' away from the dispensers and

10.5' on the two sides of the end dispensers. The purpose of the PLB's is to contain any minor spills that may occur at each fueling location.

5. Spill Cleanup Kits

A spill containment kit will be provided inside the convenience store and will include a shovel and broom, 2-mil plastic cleanup bags, spill absorbent and SPC absorbent pads. A container of spill absorbent material will also be placed at each fuel dispenser. Employees on-site shall be properly trained in the operation and utilization of these spill cleanup kits and will have a list of emergency contact numbers in the event of a spill.

6. Stormwater Management System

The proposed stormwater management system includes deep sump hooded catch basins, and one Stormtech underground chamber system with an Isolator row for pretreatment. The site is graded such that the high-load areas onsite are located at high point areas where potential storm water run-on is eliminated. Runoff from the majority of the parking and drive aisles is directed into five deep sump catch basins. The closed drainage system from the high load areas then flows to a Stormtech underground chamber system. In the unlikely event of a large spill onsite, the fuel would be captured by the downstream catch basins which would contain the spill and discharge it into the closed drainage system.

7. Other BMP's

Also included in this Source Control Plan is a maintenance program that includes routine parking lot sweeping and inspection & cleaning of the stormwater management system and its components. Refer to the I&M Plan prepared for this site for specific maintenance requirements and schedules.

8. Conclusion

The Source Control Plan described herein has been designed to ensure that stormwater runoff from the proposed gas station will be properly treated, and any potential onsite spills will be contained. The BMP's put in place will provide proper pretreatment and treatment of the stormwater runoff from the high-load areas onsite and ensure that there are no adverse downstream impacts.

The proposed additional protective measures described above (including triple wall USTs, double-walled sump tanks, etc.) are designed to provide equivalent protection to nearby water wells as using standard measures as required under Env-Or 407.06(e).

Respectfully Submitted,

TFMoran Inc.