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<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Drainage Information by Roadway Segment</td>
</tr>
</tbody>
</table>
Introduction

As a condition of the NH Department of Environmental Services (NHDES) permit approvals to complete the proposed roadway improvement for the NH Route 125 roadway corridor within the Towns of Plaistow and Kingston, VHB has prepared this Emergency Spill Response and Containment Plan for the NH Department of Transportation. This document provides roadway drainage information within the project corridor to assist Emergency Response Personnel in recognizing where an inadvertent petroleum or hazardous material spill on the roadway might ultimately drain to if the spill was not readily contained and entered into the roadway drainage system. The project corridor begins in Plaistow at the railroad bridge over the tracks just south of the East Road/Joanne Drive intersection and extends north 4.6 miles to approximately 0.5 mile past the Newton Junction/Hunt Road intersection in Kingston.

This document provides drainage plans that show drainage outfall locations for recently completed roadway improvements along the NH 125 roadway in the Towns of Plaistow and Kingston. In addition to recently completed segments, the drainage plans also show proposed roadway improvements (meaning currently in final design and anticipated to be constructed in 2016), and future planned Improvements that are in initial stages of design and are tentatively anticipated to be constructed in 2022.

This information is intended to help Emergency Response Personnel identify where an inadvertent hazardous or petroleum spill may flow to if the spill contents enter into the roadway drainage system. Most of the improved roadway, especially in Plaistow, will consist of a closed drainage system (i.e., curbed and piped system) that will outlet at specific locations. Immediate containment to keep the spill contents within the roadway system is essential to prevent impacts to natural and public resources that exist along the roadway.

This document identifies various sensitive water resources along the project corridor such as streams, ponds and public well wellhead protection areas (WHPAs). The number of community and private wells located near the highway are more prevalent in Plaistow.

**IMPORTANT NOTE:** This document is not intended to provide details on how to contain a spill or what specific equipment or measures are needed. It is assumed that Emergency Response Personnel will be trained to recognize, assess and initiate spill response actions in response to petroleum and hazardous spills that may result from vehicle accidents.

This document is organized as follows:

- **Chapter 2** provides Emergency Contact Information for local, state, and federal agencies as well as Emergency Spill Response Contractors.

- **Chapter 3** provides descriptions of the Sensitive Natural Resources.

- **Chapter 4** provides details of the roadway drainage system including flow direction, discharge locations and receiving water bodies for various roadway segments.
Emergency Contact Information

In the event of a spill, 

CALL THE FIRE DEPARTMENT FIRST!

2.1 Local Fire Departments

Dial 911
Plaistow
(603) 382-5012

Kingston
(603) 642-3626

2.2 Police

Dial 911
Plaistow (27 Elm Street)
(603) 382-6816

Kingston: (16 Main Street)
(603) 642-5742

State Police:
(603) 223-4381

Or Within New Hampshire
(800) 525-5555

Or Emergency Cell Phone *77
2.3 Local Emergency Management

Plaistow
Lt. William Baldwin, Director (603) 382-5847

Kingston
Bill Seaman, Co-Director, (603) 642-3626
Donald W. Briggs, Jr, Co-Director (603) 642-5742
Richard D. St. Hillaire, Co-Director (603) 765-4371

2.4 NH Department of Transportation (NHDOT) – District Six

New Hampshire Department of Transportation
District Six Maintenance Shed
271 Main Street
PO Box 740
Durham, NH 03824

Contact Phone #’s

(603) 868-1133

Transportation Management Center (NHDOT) – 24 Hour Dispatch

New Hampshire Department of Transportation
Bureau of Traffic
NH Route 106
Concord, NH 03301

Contact Phone #’s

(603) 271-6862
2.5 NH Department of Environmental Services (NHDES)

NHDES Spill Response & Complaint Investigation Section
MONDAY – FRIDAY (8:00 AM – TO 4:00 PM)
(603) 271-3899
ALL OTHER TIMES (NIGHTS-WEEKENDS-HOLIDAYS)
CALL NH STATE POLICE (They will contact NHDES)
(603) 223-4381, (State Police Dispatch)
Or within New Hampshire
(800)-346-4009

2.6 U.S. Environmental Protection Agency (EPA)

National Response Center
(800) 424-8802
Alternate: EPA
Emergency (617) 223-7265
Business (617) 860-4300

2.7 Cleanup Contractors

The following are just two of the local area contractors that provide hazardous and petroleum spill cleanup services:

1. ENPRO Services, Inc.
   114 Bridge Road
   Salisbury, MA 01952
   Tel: (978) 463-4100
   http://enpro.com/home.html

2. Clean Harbors Environmental Services
   20 Dunklee Road
   Bow, NH 03304
   24-hr Phone No. (800)-645-8265
   http://www.cleanharbors.com/browse_by_service/emergency_response/
This section provides descriptions of the relevant environmental resources that are located within the NH Route 125 corridor that could be potentially affected by a petroleum or hazardous spill. Most of the residences and businesses along NH 125 rely on community and private wells for water supply, which increases the importance of a rapid response and containment of a spill.

3.1 Community Wells and Wellhead Protection Areas

Much of the NH Route 125 roadway through this corridor overlies a stratified drift aquifer, which means the area soils are generally sandy in nature and will allow a relatively rapid infiltration rate. There are numerous public wells in the vicinity of the roadway corridor that service various public facilities and businesses such as schools, hotels, restaurants, and residential condominium complexes. There are also numerous private wells serving single homes and businesses. There is no municipal water supply system for potable water along sections of NH 125 in Plaistow or Kingston. The limited water supply lines that do exist in Plaistow are primarily for fire suppression purposes.

With respect to public wells, NHDES has established preliminary wellhead protection areas (WHPA’s) around the registered public wells in the region. A WHPA represents the area around the well where surface runoff and groundwater theoretically contribute the volume of water withdrawn from a well. The limits of the mapped WHPA’s in the project corridor were obtained from the NHDES GIS database as provided on the NH GRANIT web site. The location and extent of the WHPAs for the principal public supply wells identified in the roadway corridor are shown on Sheets 1 through 8 Roadway Drainage Map Sheets contained in Appendix A.

For purposes of this plan, the principal public supply wells identified in the project corridor primarily relate to those wells serving day care facilities, schools and residential condominium complexes. These represent the community wells that serve most of the non-transient population that utilize public wells for water supply. There are many other public wells within or adjacent to the project corridor that are not shown that serve facilities with transient populations (i.e., restaurants, convenience stores, etc) or are
wells that serve commercial facilities with a non-transient population (i.e. manufacturers and other local businesses that have more than 25 employees but do not serve the general public). Since there was considerable overlap between the WHPAs of these wells (not shown) and the principal wells (i.e., schools, day care facilities and residential complexes), only the mapped WHPA limits of the principal wells were shown on the drainage maps for purposes of clarity and readability. **If a spill of hazardous material or petroleum substance does occur within the roadway corridor, a follow-up hydrogeological investigation may be needed to assess the risk to any nearby public wells and not just those shown on the Drainage Plan Sheets.**

The WHPA limits of the public wells identified and shown on the Roadway Drainage Maps were based on NHDES GIS data. These WHPA boundaries are preliminary and are not based on local hydrogeologic conditions such as topography, prevailing groundwater flow direction and the presence of underlying low permeability layers. Rather, the preliminary WHPA limits around each well that are based on a fixed radius ranging from 1,300 to 2,000 feet depending on the reported or estimated withdrawal rate.

Since much of the roadway corridor is contained within various WHPAs of the identified public wells, the primary goal in responding to a potential hazardous spill in the roadway corridor is to contain the spill and prevent any release to the natural environment. **All spills of petroleum and hazardous substances that have the potential to be released to the natural environment either during or following the spill related incident should be reported to NHDES using the contact information provided in Section 2.0. A copy of the NHDES Spill Incident Reporting Form is also provided at the end of this document.**

In general, the prevailing groundwater flow direction for much of the project corridor is in an easterly direction or from the west to the east toward the Little River. As such, any public well located on the east side of the roadway may be relatively more vulnerable to risk of contamination than a well located on the west side of the roadway. A well’s actual vulnerability of being affected by a potential spill depends on various site-specific factors and can only be more accurately assessed with a detailed hydrogeologic analysis. The potential likelihood of being affected by a spill will also depend on the type and volume of material that was spilled.

The one exception to the general west to east groundwater flow pattern is the area around the Danville Road intersection (see Segment D in Section 4.0). In this area, the Route 125 roadway location represents a topographic high point where water on the west side of the road (southbound lanes) would drain to the west toward Bryant Brook while water on the east side of the road (northbound lanes) would drain to the east toward Little River (See Drainage Description for Segment 4.0).
3.2 Surface Waters

Preventing potential spills from entering any of the area streams within the project area is also critically important for two primary reasons: 1) depending on the substance, the spill could have long-term toxicological impacts on aquatic life that could have widespread impacts on the ecosystem in the area; and 2) the cleanup and restoration efforts would be much more difficult and costly if the spilled material ends up in a stream course instead of being contained within the roadway drainage system. The primary streams that are within the project area include the following and are located within the various roadway segment:

1. Two small tributaries to Little River (southern end of project)
2. Little River
3. Kelly Brook
4. Bryant Brook
5. Bayberry Pond

Only the two small tributaries to Little River and Kelly Brook are located directly within the roadway right-of-way area and would receive direct discharges from the roadway drainage system. The Little River, Bryant Brook and Bayberry Pond are located outside the right-of-way but close enough to be potentially affected by a spill if the contents were not contained with the roadway drainage system and were conveyed outside the ROW.

3.3 Wetlands

Wetland areas also represent an important environmental resource that could be adversely affected by the release of a hazardous material or petroleum spill. Specific wetland areas were not identified in this document or on accompanying map figures due to the number of wetland areas that exist along the NH 125 right-of-way and are within the same respective area as the other sensitive resources already shown. Nonetheless, these areas should be equally protected to the extent possible as the ecological functions that these areas provide would be seriously compromised and/or potentially lost if hazardous materials were released into the area wetlands.
Drainage Description by Roadway Segment

This section provides detailed descriptions of the roadway segments and associated drainage systems and outfalls from south to north along the project corridor. As shown in the attached Table 1.0 and drainage maps (Appendix A), each roadway segment has its own drainage outlet location where stormwater is released from the roadway system following water quality treatment in most locations. In most cases, the drainage systems shown are taken directly from NHDOT’s Roadway Improvement Design Plans.

Table 1.0 provides a description of the relevant roadway drainage details, design contract and construction status for each roadway segment as shown on the Roadway Drainage Maps in Appendix A. The maps included herein are specifically geared towards presenting information on stormwater flow direction, outlet locations and adjacent environmental resources.

Roadway Drainage Details Included
- Description of southerly and northerly limits of the roadway drainage section and segment length draining to one primary outlet,
- Description of primary drainage outlet and location,
- Description of type of drainage system
- Description of receiving water bodies and other sensitive resources for each roadway segment.

It is important to note that the design/construction status of the various roadway segments along the project corridor vary from being already constructed to having a tentative future construction date of 2022. The middle section of the project corridor from Danville Road to Old County Road is already constructed. The southern end of the project corridor from Danville Road to Old County Road is already constructed. The middle section of the project corridor is currently in final design and is anticipated to be constructed in 2016. These segments are indicated in yellow as proposed edge of pavement on the attached Map Sheets. The portions of the roadway segments that are not anticipated to be completed to well into the future are indicated in red and these segments start on Map Sheet 4. For these sections, the eventual roadway drainage system is subject to change depending on future final design conditions.

The following summarizes the design/construction status for the various Design Contracts:

<table>
<thead>
<tr>
<th>Town</th>
<th>Design Contract</th>
<th>Status</th>
<th>Map Color</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plaistow</td>
<td>10044-F</td>
<td>Constructed</td>
<td>none</td>
<td>Danville Rd to Main Street</td>
</tr>
<tr>
<td></td>
<td>10044-D</td>
<td>Constructed</td>
<td>none</td>
<td>Old County Rd Intersection</td>
</tr>
<tr>
<td></td>
<td>10044-G</td>
<td>Final Design-Construction Planned for 2016</td>
<td>yellow</td>
<td>RR bridge to Old Road including Access Rd and Service Rd</td>
</tr>
<tr>
<td>Kingston</td>
<td>10044-C</td>
<td>Constructed</td>
<td>none</td>
<td>Hunt Rd. / Newton Rd Intersection</td>
</tr>
<tr>
<td></td>
<td>10044-E</td>
<td>Tentative Construction 2022</td>
<td>red</td>
<td>Roadstone Dr. Intersection to Hunt Rd. / Newton Rd Intersection</td>
</tr>
</tbody>
</table>

Source: Based on NHDOT Draft Ten Year Plan (2015-2024) revised on December 18, 2013.
<table>
<thead>
<tr>
<th>Roadway Segment</th>
<th>Map Sheet No.</th>
<th>Design Contract/ Construction Status</th>
<th>Southern Endpoint</th>
<th>Northern Endpoint</th>
<th>Length of Segment</th>
<th>Drainage Outlet Location</th>
<th>Drainage System Type</th>
<th>Receiving Water</th>
<th>Other Sensitive Resources</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>1</td>
<td>Contract E: Proposed In Final Design</td>
<td>Bridge over RR tracks near Blossom Road</td>
<td>Just south of Jiffy Lube</td>
<td>~ 1,400 ft</td>
<td>Outlet A - closed drainage outlet pipe to Little River along Northbound lanes</td>
<td>Curbed/Closed Drainage</td>
<td>Little River</td>
<td>WHPA for Little Explorers Day Care (3 Blossom Rd)</td>
</tr>
<tr>
<td>B</td>
<td>1</td>
<td>Contract E: Proposed In Final Design</td>
<td>South End of Jiffy Lube</td>
<td>Access Road Entrance next to Village Curtain Shops</td>
<td>~ 1,500 ft</td>
<td>Outlet B - outlet pipe along NB lanes directly across entrance to Tractor Supply Store</td>
<td>Curbed/Closed Drainage</td>
<td>Small Trib. to Little River</td>
<td>Large wetland complex and small pond downgradient of road</td>
</tr>
<tr>
<td>C</td>
<td>1 &amp; 2</td>
<td>Contract E: Proposed In Final Design</td>
<td>Entrance of Proposed Access Road</td>
<td>Approx. 200 ft north of Old Rd intersection</td>
<td>~ 1,800 ft</td>
<td>Outlet C - outlet of Wet Detention Basin at South End of Service Road</td>
<td>Curbed/Closed Drainage</td>
<td>Little River</td>
<td>Adjacent Wetland Areas – Bryant Woods WHPA</td>
</tr>
<tr>
<td>D</td>
<td>2 &amp; 3</td>
<td>Contract F: Already Constructed</td>
<td>Approx. 200 ft north of Old Road Intersection</td>
<td>Just north of Jesse George Rd. includes Cumberland Farms and Danville Road</td>
<td>~ 1,400 ft</td>
<td>Outlet D – Outlet of Detention Basin behind Auto Mart west of Route 125</td>
<td>Curbed/Closed Drainage</td>
<td>Bryant Brook</td>
<td>Detention Basin Outlet is just outside WHPA for Timberlane High School</td>
</tr>
<tr>
<td>E</td>
<td>3</td>
<td>Contract F: Already Constructed</td>
<td>Approx. 600 ft south of Main Street near Sad Café Music</td>
<td>Approx. 100 ft north of Main Street near Sanborn Candies</td>
<td>~ 900 ft</td>
<td>Outlet E - Level Spreader in NW corner of Rte. 121A intersection</td>
<td>Curbed/Closed Drainage</td>
<td>Trib. to Little River</td>
<td>Large Wetland Complex at Outlet</td>
</tr>
</tbody>
</table>

Notes: These roadway segments and outlet locations indicate where a potential spill may end up if a spill was to occur on the roadway pavement and was not immediately contained before it enters the drainage system. A potential spill off the pavement may not follow the same drainage patterns.
Table 1.0 (cont.) - Route 125 Drainage Information for Potential Spill Response/ Containment Measures

<table>
<thead>
<tr>
<th>Roadway Segment</th>
<th>Map Sheet No.</th>
<th>Design Contract/ Construction Status</th>
<th>Southern Endpoint</th>
<th>Northern Endpoint</th>
<th>Length of Segment</th>
<th>Drainage Outlet Location</th>
<th>Drainage System Type</th>
<th>Receiving Water</th>
<th>Other Sensitive Resources</th>
</tr>
</thead>
<tbody>
<tr>
<td>F</td>
<td>3</td>
<td>Contract F: Already Constructed</td>
<td>Approx. 100 ft north of Main Street near Sanborn Candies</td>
<td>Approx. 100 ft north of the Plaistow Self-Storage Facility</td>
<td>~ 950 ft</td>
<td>Outlet F – outlet pipe of a swale at south end of storage facility</td>
<td>Curbed/ Closed Drainage</td>
<td>Trib. to Little River</td>
<td>Public Well at Plaistow Commons Plaza</td>
</tr>
<tr>
<td>G</td>
<td>3 &amp; 4</td>
<td>Contract F: Already Constructed</td>
<td>Approx. 100 ft north of the Plaistow Self-Storage Facility</td>
<td>At Walton Rd. intersection</td>
<td>~ 1,200 ft</td>
<td>Outlet G – Detention Basin along NB lanes across from Walton Rd</td>
<td>Curbed/ Closed Drainage</td>
<td>Kelly Brook</td>
<td>A small pond and mapped Public Well located next to Plaistow YMCA</td>
</tr>
<tr>
<td>H</td>
<td>4</td>
<td>Contract D: Already Constructed</td>
<td>At Walton Road Intersection</td>
<td>Approx. 200 ft north of Walton Road intersection</td>
<td>~ 200 ft</td>
<td>Outlet H – level spreader swale along SB lanes at Walton Rd intersection</td>
<td>Varies – closed and open drainage</td>
<td>Kelly Brook</td>
<td>Mapped Public Well next to YMCA</td>
</tr>
<tr>
<td>I</td>
<td>4</td>
<td>Contract D: Already Constructed</td>
<td>Small Drainage system at entrance to Plaistow YMCA</td>
<td>Less than 100 ft north of YMCA entrance</td>
<td>~ 100 ft</td>
<td>Outlet I discharges to a small detention pond next to YMCA</td>
<td>Closed drainage from both lanes</td>
<td>Kelly Brook</td>
<td>Mapped Public Well next to YMCA</td>
</tr>
<tr>
<td>J</td>
<td>4</td>
<td>Contract D: Already Constructed</td>
<td>Approx. 200 ft north of YMCA entrance</td>
<td>Old County Rd intersection including East side of Old County Rd</td>
<td>~ 800 ft</td>
<td>Infiltration Trench collects drainage south of Old County Rd</td>
<td>Curbed/ Closed Drainage</td>
<td>Kelly Brook</td>
<td>Important to Prevent Spill from entering Infiltration Trench</td>
</tr>
</tbody>
</table>

Notes: These roadway segments and outlet locations indicate where a potential spill may end up if a spill was to occur on the roadway pavement and was not immediately contained before it enters the drainage system. A potential spill off the pavement may not follow the same drainage patterns.
### Table 1.0 (cont.) - Route 125 Drainage Information for Potential Spill Response/ Containment Measures

<table>
<thead>
<tr>
<th>Roadway Segment</th>
<th>Map Sheet No.</th>
<th>Design Contract/ Construction Status</th>
<th>Southern Endpoint</th>
<th>Northern Endpoint</th>
<th>Length of Segment</th>
<th>Drainage Outlet Location</th>
<th>Drainage System Type</th>
<th>Receiving Water</th>
<th>Other Sensitive Resources</th>
</tr>
</thead>
<tbody>
<tr>
<td>K</td>
<td>4</td>
<td>Contract E: Future Design Tentative Construction Date of 2022</td>
<td>At the entrance to Off the Wall Gymnastics</td>
<td>Approx. 200 ft south of the Plaistow Self-Storage Facility</td>
<td>~ 700 ft</td>
<td>Outlet K: outlet pipe along SB lanes across from Last Stop Auto</td>
<td>Curbed/ Closed Drainage</td>
<td>Trib. to Little River</td>
<td>Wetland complex along SB lanes</td>
</tr>
<tr>
<td>L</td>
<td>5</td>
<td>Contract E: Future Design Tentative Construction Date of 2022</td>
<td>Approx. 200 ft south of the Plaistow Self-Storage Facility</td>
<td>Approx. 100 ft south of Rouleau &amp; Sons Mobile Home Sales</td>
<td>~1,600 ft</td>
<td>Outlet L: outlet pipe along SB lanes just south of Rouleau &amp; Sons Mobile Home</td>
<td>Drainage Ditch along NB lanes</td>
<td>Little River</td>
<td>Wetland complex along SB lanes</td>
</tr>
<tr>
<td>M</td>
<td>5 &amp; 6</td>
<td>Contract E: Future Design Tentative Construction Date of 2022</td>
<td>Main roadway from south end of Self Storage Facility</td>
<td>Just north of entrance to Commerce Park facility</td>
<td>~ 3,000 ft</td>
<td>Outlet M: Proposed Extended Detention Basin at Granite Rd</td>
<td>Curbed/ Closed Roadway Drainage</td>
<td>Little River</td>
<td>Proposed Basin discharge to Little River at Granite Rd</td>
</tr>
<tr>
<td>N</td>
<td>6</td>
<td>Contract E: Future Design Tentative Construction Date of 2022</td>
<td>Near Entrance to Commerce Park</td>
<td>Proposed new Intersection at Happy Hollow and Debra Rd w/ Rte. 125</td>
<td>~ 2,000 ft</td>
<td>Outlet N: Proposed Gravel Wetland located behind Kingston Place &amp; Fireplace Village</td>
<td>Curbed/ Closed Roadway Drainage</td>
<td>Little River</td>
<td>Proposed Gravel Wetland discharge to Little River</td>
</tr>
<tr>
<td>O</td>
<td>6</td>
<td>Contract E: Future Design Tentative Construction Date of 2022</td>
<td>Roadside Ditch along SB Lanes outlets on NB side just of north of Fireplace Store</td>
<td>SB lanes outer shoulder just south of proposed Debra Rd intersection</td>
<td>~ 1,000 ft</td>
<td>Outlet O: Proposed level spreader on NB side of road</td>
<td>Roadside drainage from outside shoulder of SB lanes</td>
<td>Little River</td>
<td>Will Discharge close to Little River</td>
</tr>
</tbody>
</table>

Notes: These roadway segments and outlet locations indicate where a potential spill may end up if a spill was to occur on the roadway pavement and was not immediately contained before it enters the drainage system. A potential spill off the pavement may not follow the same drainage patterns.
Table 1.0 (cont.) - Route 125 Drainage Information for Potential Spill Response/ Containment Measures

<table>
<thead>
<tr>
<th>Roadway Segment</th>
<th>Map Sheet No.</th>
<th>Design Contract/ Construction Status</th>
<th>Southern Endpoint</th>
<th>Northern Endpoint</th>
<th>Length of Segment</th>
<th>Drainage Outlet Location</th>
<th>Drainage System Type</th>
<th>Receiving Water</th>
<th>Other Sensitive Resources</th>
</tr>
</thead>
<tbody>
<tr>
<td>Q</td>
<td>7</td>
<td>Contract C: Already Constructed</td>
<td>Near Entrance to Landscape Depot</td>
<td>Just North of Newton Junction Road</td>
<td>~ 1,400 ft</td>
<td>Outlet Q: Detention Basin along SB lanes</td>
<td>Varies – closed and open drainage</td>
<td>Bayberry Pond</td>
<td>Adjacent Wetland Area</td>
</tr>
<tr>
<td>R</td>
<td>7 &amp; 8</td>
<td>Contract C: Already Constructed</td>
<td>Small drainage system along SB lanes across from Kasher Drive</td>
<td>Directly across from Kasher Drive</td>
<td>~ 200 ft</td>
<td>Outlet R: Proposed Level Spreader along SB lanes across from Kasher Drive</td>
<td>Curbed/ Closed Roadway Drainage</td>
<td>Wetland Area</td>
<td>Approximately 1,000 ft from the Colby Brook Impoundment</td>
</tr>
<tr>
<td>S</td>
<td>8</td>
<td>Contract C: Already Constructed</td>
<td>NB Lanes approx. 200 ft south of Kasher Drive</td>
<td>NB Lanes approx. 500 ft north of Kasher Drive</td>
<td>~ 700 ft</td>
<td>Outlet S: Proposed Level Spreader across from Auto Dealer on corner of Kasher Drive</td>
<td>Curbed/ Closed Roadway Drainage</td>
<td>Wetland Area</td>
<td>Approximately 1,000 ft from the Colby Brook Impoundment</td>
</tr>
</tbody>
</table>

Notes: These roadway segments and outlet locations indicate where a potential spill may end up if a spill was to occur on the roadway pavement and was not immediately contained before it enters the drainage system. A potential spill off the pavement may not follow the same drainage patterns.
NHDES Incident Report Form

Suggested Example: Emergency Response Equipment Inventory Checklist
DEPARTMENT OF ENVIRONMENTAL SERVICES
WASTE MANAGEMENT DIVISION
Hazardous Waste or Petroleum
Spill Reporting Form

GUIDELINES FOR REPORTING A SPILL
1. Report the spill to your local 911 responder or fire department.
2. Call DES Spill Response & Complaint Section and provide as much of information listed below as possible.
   Monday – Friday, 8 am to 4 pm   (603) 271-3899
   Weekend and Evenings   (603) 223-4381 State Police Dispatch
3. Follow up the call to DES by submitting a completed spill reporting form. Email the completed form to
   orcb.wmd@des.nh.gov by highlighting, copying and paste the information onto the email.

Date Spill Reported to DES: _______________ Time:___________

Your Name:__________________________________________________

Mailing Address:_______________________________________________

Town: ________________________________State: _____Zip:__

Home Telephone #:_______________Work Telephone #:_______________Email :_________________

Company or Person Responsible

Business or Individual Name:________________________________________

Mailing Address:________________________________________________

Town: _____________________________State:______ Zip:_____ Telephone #:____________

Spiller Contact Information - Name:_____________________________ Title:________________________

Telephone #:______________ Email:_______________________

Spill Location

Site Name: ______________________________________

Town:__________________________________________

Street Address:___________________________________

Directions to Site:______________________________________________________________________

Spill Information

Substance spilled: ________________________        Amount:______    Units:(gallons):____________

Date of Spill:______________________________ Time of Spill:____________________

Cause of Spill:______________________________________________________________________

How was Spill Detected:________________________________________________________________

Areas Impacted or Will Be Impacted
(Soil, Surface Water, Wetlands, Drinking Water Well)

Impacted Areas: __________________________ Distance from Spill: __________________________
Potentially Impacted Areas: __________________________ Distance from Spill: __________________________

Attached sampling results, if any.

Response Company

Company Name:________________________________________
Mailing Address:________________________________________
Town: _____________________________State: _______ Zip: _______ Telephone #: __________________

Contact Information – Name:________________________ Title:________________________
Telephone #:_____________________ Email:____________________

Response Action

____________________________________________________________________________
____________________________________________________________________________
____________________________________________________________________________

Attach response reports, if any.

Others Notified

Have you notified the person or party you believe is responsible? Yes ___ No ___
Have you reported this spill to local officials? Yes ___ No ___
If Yes, Town:__________________ Department:____________________
Representative’s Name:________________________

Spill Site Property Owner Information (Optional)

Property Owner Name:________________________________________
Mailing Address:________________________________________
Town: _____________________________State: _______ Zip: _______ Telephone #:____________________

Revised June 2012
Emergency Response Equipment Inventory Checklist

The following is a suggested example of Equipment and Materials Inventory Checklist that could be used by Emergency Management or Spill Response personnel to keep track of available equipment on hand for future emergency response needs. (Note: An actual Materials Checklist should be prepared by personnel that would actually respond to spills as available tools and technologies change)

<table>
<thead>
<tr>
<th>ITEM</th>
<th>QUANTITY ON HAND</th>
</tr>
</thead>
<tbody>
<tr>
<td>Absorbent Pads</td>
<td></td>
</tr>
<tr>
<td>Absorbent Socks/ Booms</td>
<td></td>
</tr>
<tr>
<td>Sand Bags</td>
<td></td>
</tr>
<tr>
<td>Culvert or Pipe Plugs</td>
<td></td>
</tr>
<tr>
<td>12 inch Diameter</td>
<td></td>
</tr>
<tr>
<td>15 inch Diameter</td>
<td></td>
</tr>
<tr>
<td>18 inch Diameter</td>
<td></td>
</tr>
<tr>
<td>24 inch Diameter</td>
<td></td>
</tr>
<tr>
<td>36 inch Diameter</td>
<td></td>
</tr>
<tr>
<td>Absorbent Socks</td>
<td></td>
</tr>
<tr>
<td>Speedi-Dri Absorbent</td>
<td></td>
</tr>
<tr>
<td>Temporary Catch Basin Drain Covers</td>
<td></td>
</tr>
<tr>
<td>Spill Containment Barrels</td>
<td></td>
</tr>
<tr>
<td>Floating Containment Booms</td>
<td></td>
</tr>
<tr>
<td>Non-Sparking Shovels</td>
<td></td>
</tr>
</tbody>
</table>

Personal Protective Gear

“List Items – As Appropriate (based on Emergency Response Training Protocols)
(e.g., chemical resistant gloves, suits, respirators, glasses or shields)

Comments:______________________________________________________________

Agency/Dept. ____________________________
Date Verified ____________________________
Signature ______________________________
Title ________________________________
Appendices

Appendix A - Roadway Drainage Map Sheets

Appendix B – NHDES Spill Reporting Guidance Information
Appendix A

Roadway Drainage Map Sheets
Legend

- Drainage Structure
- Proposed Edge of Pavement (1)
- Drainage Feature
- Future Edge of Pavement (2)
- Drain Pipe
- Pavement stripe
- Direction of Flow
- USGS RiverStream
- NHDES Public Water Supply
- NHDES Wellhead Protection Area
- Town Boundary
- Roadway Segment/Outlet

Notes:
(1) In final design. Scheduled to be constructed in 2016.
(2) Preliminary design. Tentatively scheduled to be constructed in 2022.

Notes:
- PP = Plastic Pipe
- RCP = Reinforced Concrete Pipe

NH Route 125

OUTLET E
(24" PP)

OUTLET F
(36" RCP)

OUTLET G
(24" RCP)
Wet Extended Detention Pond

ROADWAY DRAINAGE MAPS
NH ROUTE 125
Sheet 3 of 8

ROADWAY SEGMENT/OPTION
A

Notes:
(1) In final design. Scheduled to be constructed in 2016.
(2) Preliminary design. Tentatively scheduled to be constructed in 2022.
Roadway Drainage Maps
NH Route 125
Sheet 5 of 8

Legend
- Drainage Structure
- Proposed Edge of Pavement (1)
- Drainage Feature
- Future Edge of Pavement (2)
- Drain Pipe
- Direction of Flow

Notes:
(1) In final design. Scheduled to be constructed in 2016.
(2) Preliminary design. Tentatively scheduled to be constructed in 2022.

Notes:
PP = Plastic Pipe
RCP = Reinforced Concrete Pipe

Contract E - Future Project

Proposed Wet Extended Detention Pond

OUTLET L (36" RCP)  

OUTLET M (24" RCP)
Legend
- Drainage Structure
- Proposed Edge of Pavement (1)
- Drainage Feature
- Future Edge of Pavement (2)
- Drain Pipe
- Paved pavement stripe
- Direction of Flow
- USGS RiverStream
- NHDES Public Water Supply
- NHDES Wellhead Protection Area
- Town Boundary
- Roadway Segment/Outlet

Notes:
(1) In final design. Scheduled to be constructed in 2016.
(2) Preliminary design. Tentatively scheduled to be constructed in 2022.

Notes:
PP = Plastic Pipe
RCP = Reinforced Concrete Pipe
**Legend**

- Drainage Structure
- Proposed Edge of Pavement (1)
- Drainage Feature
- Future Edge of Pavement (2)
- Drain Pipe
- Direction of Flow
- USGS RiverStream
- NHDES Public Water Supply
- NHDES Wellhead Protection Area
- Town Boundary
- Roadway Segment/Outlet

**Notes:**

1. In final design. Scheduled to be constructed in 2016.
2. Preliminary design. Tentatively scheduled to be constructed in 2022.

**OUTLET P**

- (15” PP)
- Proposed Wet Extended Detention Basin

**OUTLET Q**

- (Twin 15” PP)
- Detention Pond

**Contract E - Future Project**

- **P**: BAYBERRY POND
- **Q**: LANDSCAPE DEPOT
- **R**: NEWTOWN CONSTRUCTION

**NH ROUTE 125**

**Document Path:** \nhbedata\projects\51272.01\GIS\project\2015_SpillPreventionPlans\SpillPreventionFinal.mxd
Reporting Oil Spills, Hazardous Waste Spills and Groundwater Contamination

The State of New Hampshire has statutory and regulatory requirements regarding the reporting of discharges of both petroleum products and hazardous wastes. To promote compliance with these "duty to report" requirements, the following excerpts are presented from the appropriate laws and regulations.

IN THE EVENT OF A HAZARDOUS WASTE SPILL

Duty To Report, N.H. Hazardous Waste Management Act RSA 147-A:11,

1. Any generator, operator, transporter, or employee of a hazardous waste facility who becomes aware of any storage, treatment, or disposal of hazardous waste in violation of this chapter shall immediately report the violation to the NH Department of Environmental Services Waste Management Division.

2. Any person who fails to give notice as required by RSA 147-A:11,1, shall be guilty of a misdemeanor if a natural person, or guilty of a felony if any other person.

3. Each day of a continuing violation shall constitute a separate offense.

Immediate Action, "Requirements for Hazardous Waste Generators" Env-Wm 500,

The generator shall report any discharge of hazardous waste or discharge of any material which when discharged becomes a hazardous waste that poses a threat to human health or the environment, for example, into storm or sanitary sewers, onto the land or into the air, groundwater or surface waters. Notification shall be both:

1. Immediately, not to exceed one hour from discharge discovery, to local fire department

2. Immediately, not to exceed one hour from discharge discovery, to the DES Emergency Response group at (603) 271-3899 (Monday through Friday, 8 a.m. to 4 p.m.), or to the New Hampshire Department of Safety at (603) 223-4381, 24 hours/day).
IN THE EVENT OF A PETROLEUM (OIL) SPILL

Duty To Report, N.H. Oil Spillage In Public Waters Act RSA 146-A:5,

1. The person/party responsible for the operation of any oil facility, carrier, or vessel that discharges oil in violation of this chapter shall immediately notify the DES Waste Management Division. Any person who fails to give such notice shall be guilty of a misdemeanor if a natural person, or guilty of a felony if any other person.

2. Each day of a continuing violation shall constitute a separate offense.

3. Any person who becomes aware of an oil discharge in violation of this chapter shall immediately notify the DES Waste Management Division.

Notification, "Contaminated Sites Management" Env-Or 600

Any responsible party or other person having knowledge of a discharge of oil shall report such discharge to the DES Waste Management Division immediately (603)271-3899 (Monday through Friday, 8 a.m. to 4 p.m.), or to the New Hampshire Department of Safety at (603)223-4381, 24 hours/day), unless all of the following conditions are met:

1. The discharge is less than 25 gallons.
2. The discharge is immediately contained.
3. The discharge and/or contamination is completely removed within 24 hours.
4. There is no impact or potential impact to groundwater or surface water.
5. There is no potential for vapors which pose an imminent threat to human health.

IN THE EVENT OF GROUNDWATER QUALITY VIOLATIONS

"Contaminated Sites Management" Env-Or 600

The responsible party shall notify the DES Waste Management Division within 60 days of discovery of a violation of the ambient groundwater quality standards of Env-Or 603.01.

Disclaimer:
Information contained in this fact sheet is current as of April 9, 2007. Statutory or regulatory changes that may occur subsequent to this date may cause part or all of the information to be invalid. If there are any questions concerning the status of this information, please contact DES at (603)271-3899.