

**LEDDY PARK SOIL STOCKPILE  
BURLINGTON, VERMONT  
WEEKLY INSPECTION REPORT**



<b>Date:</b>	July 29, 2015 July 30, 2015	<b>Time On-Site:</b>	7:30 – 16:45 7:30 – 12:15
<b>Location:</b>	Gordon Paquette Ice Arena Parking Lot, 216 Leddy Park Road, Burlington, VT.		
<b>Condition of Stockpile (upon arrival):</b>	Stockpile covered with clear plastic sheeting, some tearing and numerous small holes present. Tires, sand bags, rocks, wooden blocks, and concrete blocks used as weights. A 4-foot high orange mesh exclusion fencing (with signage) in place around entire perimeter of stockpile.		
<b>General Activities:</b>	<ol style="list-style-type: none"> <li>1. Johnson Company personnel temporarily removed exclusion fencing from the north, south, and east sides of stockpile.</li> <li>2. Pavement around the edge of the pile was inspected for soil which may have migrated from the pile. A small zone of soil was observed near the northwest corner of the stockpile. This soil was shoveled and swept back into the pile and covered with plastic sheeting.</li> <li>3. Entire stockpile was re-encapsulated with 6 mil, black polyethylene sheeting. All seams were secured with Stego® tape and sand bags. Poly sheeting was secured with approximately 300 sand bags and edges of the plastic were trimmed to extend ~5 feet beyond toe of the stockpile. Sand bags located on the stockpile were tied to ropes to prevent sliding on the steep sides of the pile. Tires were re-used as weights and to protect the plastic from the ropes on the top of the pile.</li> <li>4. A row of hay bales (approximately 160) was used to line the perimeter of the pile just beyond the poly sheeting. A small, 95' section, could not be completed due to an insufficient quantity of hay bales. This portion lies along the eastern edge of the parking lot pavement and the grass to the east. Note that the pavement slopes to the west while the grass at the edge of the pavement slopes to the east. Therefore it is unlikely that that the section of missing bales will receive any significant water flow.</li> <li>5. The orange plastic exclusion fencing was re-installed along the outer edge of the hay bale berm. Rebar was used as support posts and was placed into holes that were drilled into the pavement.</li> <li>6. A visual inspection for storm drains and outfalls near the stockpile was conducted on July 29<sup>th</sup>. No storm drains were observed, though cars parked in the lot did prevent inspection of the entire ground surface. A vegetated swale between the parking lot and bike path appears to be the collection area for runoff flowing from the parking lot. No outfalls, culverts, or drop inlets from this swale were observed, though it was heavily vegetated.</li> </ol>		
<b>Weather:</b>	Hot, humid, temperatures rising to mid-90s °F.		
<b>Notable Weather (since last inspection):</b>	Date of last inspection: N/A		
<b>Personnel On Site</b>			
<b>City of Burlington</b>	<b>Representatives:</b>	None	
<b>The Johnson Company (JCO)</b>	<b>Representatives:</b>	Jeremy Matt Adam Robtoy	

		Ross Predom Kurt Muller (July 29: PM only and July 30: ½-hour inspection only)
<b>Other:</b>	<b>Representatives:</b>	None
<b>Checklist: Circle Yes or No, describe corrective action taken, and provide additional description (as necessary)</b>		
<p>1. Is the plastic covering in good condition and free of holes? Yes  <i>Corrective Action: See General Activities (Item 3)</i>  <i>Description: See General Activities</i></p> <p>2. Is the plastic covering free of debris and ponded water? Yes  <i>Corrective Action: N/A</i>  <i>Description: N/A</i></p> <p>3. Is the plastic cover adequately secured (weighted down)? Yes  <i>Corrective Action: See General Activities (Item 3)</i>  <i>Description: See General Activities</i></p> <p>4. Is the perimeter fencing intact, visible, functioning and in good condition? Yes  <i>Corrective Action: See General Activities (Items 4&amp;5)</i>  <i>Description: See General Activities</i></p> <p>5. Are the warning signs visible, legible and in good condition? Yes  <i>Corrective Action: Previously existing signage was reinstalled. As described in the July 30, 2015 email this signage could be updated and improved.</i>  <i>Description: N/A</i></p> <p>6. Are there signs of tampering, trespassing, vandalism, or modification to the pile? No  <i>Corrective Action: N/A</i>  <i>Description: N/A</i></p> <p>7. Are there new signs of soil erosion, migration, or runoff since the previous inspection? N/A  <i>Corrective Action: N/A</i>  <i>Description: N/A</i></p>		
<b><u>Subcontractor</u></b>	<b><u>Activities</u></b>	
None		
<b><u>Materials and quantity used:</u></b>		
<ul style="list-style-type: none"> <li>• 6 rolls of 40' x 100' black 6 mil plastic sheeting</li> <li>• 300 UV resistant sand bags and 1000-feet of ¼-inch diameter rope</li> <li>• 160 hay bales</li> <li>• Zip ties</li> <li>• An additional 50-feet (approximate of orange exclusion fencing)</li> </ul>		
<b><u>Other Activities/Discussions:</u></b>		
<p>Following completion of the sandbag filling operation, excess sand was left over. This sand was left in place (outside the fence) and will used if additional sandbags are required. This sand was intentionally not covered with plastic to avoid creating the impression that potentially contaminated material is located outside the fence (see Figure 1).</p>		
<b><u>Problems/Concerns/ Deviations /Resolution:</u></b>		
<p>Minor pooling may occur on the plastic particularly at the toe of the east side of the pile along the grass-line. This is due primarily to the fact that soil, clear plastic, tires, rocks, and concrete used to secure the clear plastic liner remain at the toe of slope and do not provide smooth surface for water run-off. Water pooling may also occur in the “valley” between the main stockpile to the north and the two smaller stockpiles to the south. Additionally, as described in General Activities Item 4, the east edge of</p>		

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asphalt slopes upward at the eastern toe of slope with may also contribute to pooling in this area. The condition of pooling will be inspected during next week's inspection.

**Public Interest:**

A number of passers-by expressed interest in the soil pile and the activities surrounding it. These people were told that the pile was being covered due to potential soil contamination and that they could contact the Burlington Parks and Recreation department for more information. Note that these passers-by included a woman who identified herself as Heidi, who indicated that she had emailed the Parks & Recreation Department regarding this pile. Several other passers-by expressed appreciation that the City was taking action.

**Safety Concerns:**

Due to high humidity and temperatures (mid-90s) and bright sun on Wednesday July 29, 2015 that were intensified by the presence of the black plastic that was being traversed to haul sand bags to the top of the stockpile, JCO staff began to experience heat stress. Multiple breaks were required to safely continue working under these conditions. As a result, the pile was covered and secured by end of day July 29, 2015, but trimming plastic, placement of additional sandbags, fence reinstillation, hay bale berm installation, and final site "button-up" had not yet occurred. JCO returned on July 30, 2015 to complete the scope.

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**PHOTO DOCUMENTATION**  
*(Before and After Corrective Action)*



Photo 1: Soil stockpile condition before corrective action on 7/29/15. Photo taken looking east.

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Photo 2: Soil stockpile before corrective action on 7/29/15. Photo taken looking southeast.



Photo 3: Soil stockpile before corrective action on 7/29/15. Photo taken looking west.

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Photo 4: Soil pile after corrective action on 7/30/15. Photo taken looking southeast.



Photo 5: Soil stockpile after corrective action on 7/30/15. Photo taken looking northwest.

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Photo 6: Soil stockpile after corrective action on 7/30/15. Photo taken looking east.



Photo 7: Soil stockpile after corrective action on 7/30/15. Photo taken looking northeast from parking lot entrance.

**Figure 1 – Orthophoto & Site Sketch**  
*(Areas of Corrective Action)*



**Legend**

- Hay Bale Berm
- Perimeter Fence
- Soil Stockpiles

**NOTE:**  
All features and locations are approximate

50 0 50 100 150 200 250 300 350  
FEET

N  
VT  
MAP LOCATION

SOURCE: Burlington Parcel Boundaries (2002) from VCGI  
ORTHOPHOTO SOURCE: Orthophoto basemap available from ESRI

**FIGURE 1: ORTHOPHOTO & SITE SKETCH**  
**LEDDY PARK**  
**BURLINGTON, VERMONT**

100 State Street, Suite 600  
Montpelier, VT 05602

Drawn by: JEM	Date: 7/31/15
Checked by: JKM	Date: 7/31/15
App'd by: JKM	Date: 7/31/15
Scale: As Shown	Project: 3-3049-02