



Meadowlark Blacktail Creek  
 Williston, North Dakota

Daily Report for April 14, 2015

**Weather Overview**

79° F High

32° F Low

Conditions: Mostly sunny and windy.

**Activities Taken and Ongoing**

<p>Planning</p>	<ul style="list-style-type: none"> <li>- Conducted surface water sampling in accordance with the Surface Water Sampling and Analysis Plan from March 6, 2015.</li> <li>- Collected daily surface water at SW-400-series locations.</li> <li>- Completed weekly groundwater sampling.</li> <li>- Ecological team conducted wildlife surveys along Blacktail Creek, completing the entire Larry Njos Property at SCAT segments 144+00 to 214+00 (both banks), including the D-series channel (D-0+00 to D-400+00). Eight specimens (ID 217-224) were tagged, including: 4 northern crayfish (all 4 oiled), 1 western painted turtle (STA 182, not oiled), and 3 unidentified snails (not oiled). Specimens were collected and stored in accordance with the protocol set forth in the Wildlife Spill Response Plan. All Turtle (TTL) and Amphibian (ATL) traps were installed on the Pasternak Parcel west of the Station 0+00 bridge in the control area (upstream of 24+00). TTL-5 and TTL-6 were checked and no animals were caught. ATL-5 and ATL-6 were also checked and no animals were caught. Tonight, Jeanna and Taylor will begin chorus surveys 30 minutes after sunset. These chorus surveys will be part of Amphibian Event 1.</li> <li>- Continued tabulating and validating analytical data.</li> <li>- Continued preparation of daily field sampling, SCAT and operations maps.</li> </ul>
<p>Operations</p>	<ul style="list-style-type: none"> <li>- Partially installed IT-030 on Njos property. Sump pipe and gravel pack are in place. Will finish top 2' with clay.</li> <li>- Extracted surface water from channel at SW-413 to dewater for construction of IT-030.</li> <li>- Re-set geo-membrane liner in west containment cell.</li> <li>- Kept water truck count at 8 during day operations and 6 during night operations for hauling water from ITs.</li> <li>- Evaluated IT chloride data for operational decisions.</li> <li>- Pumped from IT-001 through -003, IT-005, IT-010 through -024 and IT-026 through -028. Did not pump from IT-004 or IT-025.</li> <li>- Pumped water from Extraction Wells (EWs) -4 through -6. Did not pump from EW-1 through -3 or EW-7 and -8.</li> <li>- Collected relevant GPS data to update Operational maps.</li> <li>- Industrial Builders completed installation sheet pile to full depth. Approximately 848' of wall has been completely installed from station 0+00 to station 8+48.</li> <li>- Removed accessible hydrocarbon-affected vegetation to 2" above ground surface, leaving roots intact. Work completed on right and left banks from segment 184+00 to 214+00. Clean Harbors crews cut and collected, bagged and placed material in roll-off containers for T&amp;D.</li> <li>- Removed residual hydrocarbon impacts from both banks from segments 52+00 to 66+00.</li> <li>- Clean Harbors used rakes and shovels to remove hydrocarbons in heavier impacted areas from around vegetation roots without damage to root zone.</li> </ul>



	<ul style="list-style-type: none"> <li>- Continued monitoring areas where vegetation was previously removed for residual hydrocarbon impacts, collecting and bagging for T&amp;D.</li> <li>- Continued improving site roads.</li> <li>- Maintained and replaced oil shark panels and boom locations in Blacktail Creek.</li> <li>- Clean Harbors assisted SCAT with surveys to remove hydrocarbons encountered during the survey.</li> <li>- Used pole nets to remove hydrocarbons collecting in containment boom.</li> <li>- Inspected heaviest impacted areas to identify locations that need further attention.</li> <li>- Total volume pumped through 4/13 = 493,079 Barrels.</li> <li>- No solids disposed on 4/13.</li> </ul>
Logistics	<ul style="list-style-type: none"> <li>- Total Staff Onsite: 16 [PM – 1, OPS – 6 (Gary, Tom, Brett, Nick, Matt, James), Planning – 9 [including 3 Sampling; 3 SCAT; 3 Biological]].</li> </ul>
<b><u>Upcoming Activities and Action Items</u></b>	
Upcoming Activities	<ul style="list-style-type: none"> <li>- Continue cutting vegetation at the Larry Njos property to 2” above ground surface, leaving roots intact. Collect, bag and place material in roll-off containers for T&amp;D.</li> <li>- Finish installing IT-030 in creek channel south of SW-413 location.</li> <li>- Industrial Builders will demobilize majority of equipment from the site. The crane will remain on-site until weight restrictions are removed.</li> <li>- Install oil shark panels and containment boom along the creek.</li> <li>- Collect relevant GPS data to update Operational maps.</li> <li>- Maintain containment boom and Oil Shark.</li> <li>- Use rakes and shovels to remove hydrocarbons in impacted areas from around vegetation roots without damage to root zone.</li> <li>- Extract and dispose of water from IT locations, and evaluate chloride concentrations at IT locations.</li> <li>- Review SWPPP field conditions and make changes based on site conditions.</li> <li>- Maintain road and mat on the west side of 85.</li> <li>- Maintain and troubleshoot pumps, piping, valves and hose at ITs and EWs.</li> <li>- Reconcile vacuum truck waste water tickets and daily totals.</li> <li>- Monitor and recover hydrocarbon based on SCAT recommendations.</li> <li>- Sample surface water, IT and groundwater.</li> </ul>
<b><u>SCAT Summaries</u></b>	
Staffing	<ul style="list-style-type: none"> <li>- Three persons on-site. No Changes.</li> </ul>
SCAT	<ul style="list-style-type: none"> <li>- Participated in Stantec 07:30 general safety meeting and the 09:30 Operations daily activities meeting with Brian O’Gorman from NDDH which was postponed to 12:00.</li> <li>- Both teams concentrated on directing Operations staff on the Larry Njos property. They walked the area from 184+00 to end of his property (212+00). The teams each had an Operations person that was able to recover all observed oiling. The Larry Njos property was completed today.</li> <li>- In the afternoon the Coordinator completed a walk-through inspection from segments 28+00 to 144+00 with Mr.</li> </ul>

	<p>O’Gorman. After viewing a representative number of segments throughout the areas, Mr. O’Gorman indicated that he supported the proposed segment changes from “Active Cleanup” to “Monitor and Maintenance” and “No Further Treatment at this time” status.</p>
<p>Observations</p>	<p>- No additional clean-up observations or recommendations.</p>
<p>Upcoming</p>	<p>- Continue to direct Operations on the Larry Njos property and spot-“polish” areas from 28+00 to 86+00.</p>
<p>Photos</p>	 <p>- Looking downstream from Segment 132+00 on Ron Njos property.</p>



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- Looking upstream from Segment 132+00 on Ron Njos property.