

**North Dakota Department of Health**  
**Storm Water Field Inspection Report**  
**Construction Activities**  
10-2010

Date:	Time:	Inspector:	Permit No. NDR10 -
Permittee Name:			
Address or Location of Inspection:			
County:	Contact Person:	Phone No.:	
Inspection Type:	<input type="checkbox"/> Complaint	<input type="checkbox"/> Pre-permit	<input type="checkbox"/> Compliance
	<input type="checkbox"/> Reconnaissance	<input type="checkbox"/> Follow-Up	<input type="checkbox"/> Diagnostic
	<input type="checkbox"/> Other:		
SWPPP Available During Inspection?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	Photographs Taken? <input type="checkbox"/> YES <input type="checkbox"/> NO
Nature of Project:			Size of Project:
Receiving Waters:			
Individuals in Attendance:			
Other inspectors:			
Are all of the following kept on-site or at a reasonable location? <input type="checkbox"/> YES <input type="checkbox"/> NO			
Check those kept that were available:			
<input type="checkbox"/> Copy of Notice of Intent (or application)	<input type="checkbox"/> Stormwater Pollution Prevention Plan	<input type="checkbox"/> Coverage Letter from the NDDoH	
<input type="checkbox"/> Inspection Records	<input type="checkbox"/> General Permit NDR10-0000		
Was a pre-inspection meeting conducted?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	
Was a close-out meeting conducted?	<input type="checkbox"/> YES	<input type="checkbox"/> NO	

SWPPP Assessment	YES	NO	N/A
1. Does the plan identify a SWPPP contact and include a chain of responsibility to ensure the SWPPP is being implemented?	<input type="checkbox"/>	<input type="checkbox"/>	
2. Does the plan describe good housekeeping practices to maintain a clean and orderly site (controlling litter, debris, chemicals and parts; minimizing dirt tracking and dust)?	<input type="checkbox"/>	<input type="checkbox"/>	
3. Does the plan include preventative maintenance practices to ensure proper operation, inspection and maintenance of best management practices?	<input type="checkbox"/>	<input type="checkbox"/>	
4. Does the plan include spill prevention and response procedures for petroleum products and other chemicals (e.g., antifreeze, paint) stored on site?	<input type="checkbox"/>	<input type="checkbox"/>	
5. Does the plan describe how employees are trained in their role in implementing the SWPPP?	<input type="checkbox"/>	<input type="checkbox"/>	
6. Does the plan describe how concrete wash water, grindings and slurry will not be discharged to waters of the state or storm sewer systems?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Does the plan describe how dewatering activities will be managed to such that the discharge does not adversely affect the receiving stream or downstream landowners?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
8. Does the plan include an installation guide for the erosion and sediment controls used?	<input type="checkbox"/>	<input type="checkbox"/>	
9. Does the erosion and sediment control plan meet the requirements of Appendix 1 of the permit?	<input type="checkbox"/>	<input type="checkbox"/>	

Inspection Records	YES	NO	N/A
1. Are inspections performed once every 14 calendar days and after a 0.50-inch rain event?	<input type="checkbox"/>	<input type="checkbox"/>	
2. Do inspection records include:			
• Date and time of inspection	<input type="checkbox"/>	<input type="checkbox"/>	
• Name of individual(s) conducting inspections	<input type="checkbox"/>	<input type="checkbox"/>	
• Findings of inspection, including recommendations for corrective actions	<input type="checkbox"/>	<input type="checkbox"/>	
• Date and amount of all rainfall events greater than 1/2 inch of rain in 24 hours	<input type="checkbox"/>	<input type="checkbox"/>	
• When applicable, documentation that the SWPPP was amended	<input type="checkbox"/>	<input type="checkbox"/>	
3. Do maintenance records include:			
• Date and time of maintenance activity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
• Party completing maintenance activity	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Sediment Basin Assessment</b>	<b>YES</b>	<b>NO</b>	<b>N/A</b>
<p>1. Where practical, are temporary or permanent sediment basins provided where 10 or more acres of disturbed area drains to a common location. The basins must be provided prior to runoff leaving the site or entering surface waters. The use of sediment basins is encouraged, but not required, in areas with steep slopes or highly erodible soils even if less than 10 acres drains to one area.</p> <p>Is the use of sediment basins practical for the project? If no skip to question #10. Things to consider include public safety, soil type, slope, and available area.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Where appropriate, are temporary sediment basins installed in areas with steep slopes or highly erodible soils?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>3. Are all basins sized and constructed to meet one of the following guidelines?</p> <ul style="list-style-type: none"> <li>• 3,600 cubic feet of storage for every acre of disturbed area draining to the basin, or</li> <li>• Storage for a 2 year, 24 hour storm event plus more than 1800 cubic feet of storage from each disturbed acre that drains to the basin.</li> </ul>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>
4. Are basin outlets designed and constructed to avoid short-circuiting? Short-circuiting usually occurs when the outlet is near the inlet. This causes water to immediately exit the basin upon entering and little treatment is achieved.	<input type="checkbox"/>	<input type="checkbox"/>	
5. Are basin outlets designed and constructed to avoid the discharge of floating debris?	<input type="checkbox"/>	<input type="checkbox"/>	
6. Are the basins designed and constructed to allow complete drawdown for maintenance activities? Examples of drawdown devices include perforated riser pipes, pumps, skimmers, or other means.	<input type="checkbox"/>	<input type="checkbox"/>	
7. Is the drawdown device designed and constructed to release the storage volume in a 24 hour or longer period?	<input type="checkbox"/>	<input type="checkbox"/>	
8. Does the basin have a stabilized emergency overflow to prevent failure of pond integrity?	<input type="checkbox"/>	<input type="checkbox"/>	
9. Does the basin outlet have an energy dissipater?	<input type="checkbox"/>	<input type="checkbox"/>	
10. If temporary sediment basins are not practical in areas where 10 or more acres of disturbed area drains to a common location, then a combination of erosion and/or sediment controls with equivalent storage must be used for all down slope construction boundaries and side slope boundaries as appropriate. Examples of additional controls include smaller sediment basins, sediment traps, silt fences, vegetative buffer strips, etc.	<input type="checkbox"/>	<input type="checkbox"/>	

<b>In-Field Observations</b>	<b>YES</b>	<b>NO</b>	<b>N/A</b>
1. Has temporary erosion protection been provided for exposed soil areas where activities have been completed or temporarily ceased?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Has permanent cover been provided for exposed soil areas where activities have been completed or temporarily ceased?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<p>3. Has temporary erosion protection or permanent cover been applied to areas that have a positive slope towards and located within 200 lineal feet of a surface water (includes pond embankments, ditches, berms, soil stockpiles)?</p> <p>Temporary erosion protection or permanent cover must be applied within 21 days of completing or ceasing earth moving activities.</p> <p>Temporary stockpiles without significant silt, clay or organic components, such as clean aggregate stockpiles, demolition concrete stockpiles, and sand stockpiles, are exempt.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Do temporary soil stockpiles have effective sediment controls?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Are soil stockpiles placed in surface waters, stormwater conveyance systems, curb and gutter systems, conduits or ditches?	<input type="checkbox"/>	<input type="checkbox"/>	
<p>6. Have pipe outlets been provided with temporary or permanent energy dissipation?</p> <p>Pipe outlets must be provided with temporary or permanent energy dissipation within 24 hours of connecting to a surface water.</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
7. Are splash pads and/or downspout extensions provided for roof drains to prevent erosion?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

	YES	NO	N/A
8. Is the slope length of slopes with a grade of 3:1 or steeper broken up every 75 feet?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9. Do temporary or permanent drainage ditches and sediment basins that are part of a treatment system have appropriate sediment controls?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10. Are all storm drain inlets within the project limits and in the immediate vicinity of the site protected? This includes inlets affected by sediment tracked from the site.  Note: Inlet protection is a last line of defense. Additional sediment and erosion control practices must be used on site. Inlet protection must conform to local ordinances or regulations. Maintenance and cleaning of inlet protection must be performed in a timely manner.  Inlet protection may be removed for a particular inlet if a specific concern, such as street flooding/freezing or snow removal, has been identified and documented in the SWPPP plan. In these situations, additional erosion and sediment control practices must be used in place of the lost inlet protection.	<input type="checkbox"/>	<input type="checkbox"/>	
11. Do inlet protection devices provide adequate drainage to prevent excessive flooding?	<input type="checkbox"/>	<input type="checkbox"/>	
12. Do vegetative buffers have a minimum width of 25 feet for every 125 feet of disturbed area which drains to the buffer? For each additional 5 feet of disturbance, an additional 1 foot of buffer must be added.  The buffer should have a slope of 5% or less and the area draining to the buffer should have a slope of 6% or less.  Note: In some instances a minimum width of 25 feet may not be necessary based on past experience with buffers. In those cases a short explanation about past experiences should be included in the SWPPP.	<input type="checkbox"/>	<input type="checkbox"/>	
13. Do vegetative buffers consist of dense, grassy vegetation? Dense, grassy vegetation is 3 to 12 inches tall with uniform coverage over 90% of the buffer. No more than 10% of the buffer may consist of woody vegetation	<input type="checkbox"/>	<input type="checkbox"/>	
14. Is flow being properly distributed over vegetative buffers?	<input type="checkbox"/>	<input type="checkbox"/>	
15. Are there signs of sediment accumulating within vegetative buffers?  Are there signs of rill formation within vegetative buffers?  (If vegetative buffers are silted covered, contain rills or are otherwise rendered ineffective, other erosion and sediment controls must be implemented. Eroded areas must be repaired and stabilized.)	<input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/>	
16. Are all erosion and sediment controls and best management practices identified in the plan installed and being implemented?	<input type="checkbox"/>	<input type="checkbox"/>	
17. Are erosion and sediment controls operating correctly and in serviceable condition?	<input type="checkbox"/>	<input type="checkbox"/>	
18. Are there any devices which function similar to silt fence or fiber rolls where sediment has reached more than 1/3 the height of the device? (Removal and repairs must be made within 24 hours.)	<input type="checkbox"/>	<input type="checkbox"/>	
19. Are there any sediment basins where collected sediment has reduced the storage capacity by 1/2? (Drainage and removal must be done within 72 hours.)	<input type="checkbox"/>	<input type="checkbox"/>	
20. Is there evidence of sediment deposits in surface waters, drainage ditches or other stormwater conveyance systems? (Removal and stabilization must be completed within 7 days unless prohibited by legal, regulatory or physical access constrains. All reasonable efforts must be made to obtain access. Once permission is granted, removal must take place within 7 days.)	<input type="checkbox"/>	<input type="checkbox"/>	
21. Is there evidence of sediment being tracked off-site by vehicles or equipment, or depositing onto off-site paved surfaces? (Sediment tracked or deposited on paved surfaces must be removed within 24 hours.)	<input type="checkbox"/>	<input type="checkbox"/>	
22. Is there evidence of sediment depositing off-site, other than in surface waters, drainage ditches and stormwater conveyance systems? (Sediment must be recovered in a manner and frequency sufficient to minimize off-site impacts. For instance, sediment could be washed away during the next precipitation event.)	<input type="checkbox"/>	<input type="checkbox"/>	

<b>Significant Material and Non-Stormwater Assessment</b>	<b>YES</b>	<b>NO</b>	<b>N/A</b>
1. Is there evidence of, or the potential for, pollutants entering drainage systems or waters of the state from material storage areas and vehicle maintenance areas?	<input type="checkbox"/>	<input type="checkbox"/>	
2. Are litter, debris, chemicals and parts being managed properly to minimize stormwater pollution?	<input type="checkbox"/>	<input type="checkbox"/>	
3. Are liquid or soluble materials like oil, fuel, paint, etc., properly stored to prevent spills, leaks or other discharges?	<input type="checkbox"/>	<input type="checkbox"/>	
4. Is there evidence of concrete wash water discharging to waters of the state, storm sewer systems or onto adjacent properties?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
5. Is there evidence of wastewater from processing operations or sanitary facilities (i.e., portable toilets) discharging from the site?  (These types of discharges are not covered by the construction general permit, NDR10-0000. They must be stopped immediately, if they are not already covered by another type of permit.)	<input type="checkbox"/>	<input type="checkbox"/>	
6. Is there evidence of wash water from tools or equipment draining to waters of the state, drainage ditches or storm sewer systems?	<input type="checkbox"/>	<input type="checkbox"/>	
7. Are permanent stormwater management measures (e.g., oil-water separators, rain gardens) functioning properly?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

<b>Dewatering Activity (where applicable)</b>	<b>YES</b>	<b>NO</b>	<b>N/A</b>
1. Is dewatering limited to uncontaminated stormwater, groundwater and the allowable non-stormwater discharges, below?  The following non-stormwater discharges are allowable if the appropriate prevention measures are in place: fire-fighting, fire hydrant flushing, potable water line flushing, infrequent building and equipment wash down without detergents, uncontaminated foundation drains, springs, lawn watering and air conditioning condensate.  Coverage under the temporary dewatering general permit, NDG32-0000, must be obtained to discharge contaminated groundwater, surface water and other sources such as hydrostatic testing or disinfection of new pipeline.	<input type="checkbox"/>	<input type="checkbox"/>	
2. Are discharges being operated to minimize erosion and the release of sediment at the outfall?	<input type="checkbox"/>	<input type="checkbox"/>	
3. Are discharges resulting in sediment depositing in stormwater conveyance systems or surface waters?	<input type="checkbox"/>	<input type="checkbox"/>	
4. Are discharges causing or potentially causing a visible plume in a surface water body?	<input type="checkbox"/>	<input type="checkbox"/>	
5. Are discharge activities being monitored and recorded daily?	<input type="checkbox"/>	<input type="checkbox"/>	

<b>Comments</b>