**Construction Practices to Minimize Stormwater Contamination**

1. All areas that are located above the groundwater plane must be kept in their original condition to allow for the natural flow of stormwater without contamination. All areas that are adjacent to the excavation or dredging must be covered with a layer of approved material.

2. A stabilized construction entrance/exit will be constructed to reduce vehicle tracking of sediments off the project site.

3. All non-hazardous waste materials will be stored in a securely covered metal container or other approved containment method. The collection and storage of waste materials must be in compliance with Minnesota Rules on TSS. No construction material will be stored outside. The contractor's erosion control supervisor will instruct all personnel regarding the correct procedures for disposal.

4. A licensed sanitary waste management contractor will collect all sanitary waste from the portable toilets at the rate necessary to maintain design function. All portable units must be positioned so that they are secure and cannot be tipped or knocked over.

5. All vehicles onsite will be monitored for leaks and receive regular preventive maintenance to reduce the chance of leakage.

6. Building products that have the potential to leach pollutants must be covered or protected by similar means to minimize contact with stormwater and prevent the discharge of pollutants.

7. Pathogens, pesticides, herbicides, insecticides, fertilizers, treatment chemicals, and landscape materials must be stored under cover or protected by similar means to minimize contact with stormwater and prevent the discharge of pollutants.

8. Spill kits will be provided with all fueling sources and maintenance activities. Secondary containment measures will be installed and maintained by the contractor.

9. Any equipment that is not fuelled in accordance with manufacturer's recommendations.

10. Materials and equipment necessary for spills cleanup will be kept in an enclosed trailer or shed onsite. Equipment will include, but not limited to: absorbents, hosing, dust pans, rags, gloves, squeegees, absorbent kitty litter, oil absorbent drums, and pumps.

11. All spills will be contained and cleaned up immediately upon discovery. Spills large enough to reach the stormwater collection system will be reported to the Minnesota Pollution Control Agency.

12. Contractor shall follow the guidance for best management practices for concrete washout control of vehicle equipment, paving and sidewalks.

13. Forms and tarp for concrete used must be applied over a pallet containing absorbent to prevent excessive liquid. The absorbent material must be properly contained by water when saturated.

14. Discharge from basins (sedimentation operations) that are used to store sediment will be directed to temporary sediment basins constructed on site to provide treatment prior to discharge to a water of the state. If basins are not feasible, discharge will be disassembled, and other erosion control measures (silt fences and hay) are used to minimize pollution.

15. Contractors shall follow guidance for water pollution control for vehicles and equipment operations.

16. All equipment and tanks shall have secondary containment. Mobile fueling operations shall use drip pans or pads to protect soils.

17. No engine discharging is allowed on the site.

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**Amendments to SWPPP**

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**STORMWATER POLLUTION PREVENTION PLAN**

Date: 12/13/2012

_Hibbing, MN - Duluth, MN_
THIS PLAN IS FOR EROSION CONTROL PURPOSES ONLY. ALL SITE GRADING, BUILDING LAYOUT, UTILITIES, PARKING LAYOUT AND ALL OTHER PROJECT CIVIL DESIGN SHOWN HAS BEEN PREPARED BY OTHERS.

THE SURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL 1. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF MINNEAPOLIS SD-10, ENFORCED STANDARD GUIDELINES FOR THE COLLECTION AND DETECTION OF EXISTING SURFACE UTILITY DATA.

NOTE: TOPSOIL, SEED AND MULCH DISTURBED AREAS

EAST NATURES TRL

PROPOSED SEPTIC AREA

CONSTRUCTION EXIT CONTROLS

INSTALL 2 ROWS OF SILT FENCE 4' APART TO PROVIDE REDUNDANT PROTECTION OF THE ADJACENT WETLAND PER ITASCA COUNTY GIS

SILT FENCE

STORM WATER FLOW DIRECTION

NOTE: TOPSOIL, SEED AND MULCH DISTURBED AREAS