

PART 1 GENERAL**1.1 REFERENCES**

- .1 Impact Assessment Act, 2019
- .2 Canadian Environmental Protection Act, 1999
- .3 Fisheries Act, 1985
- .4 Transportation of Dangerous Goods Act, 1992
- .5 Ontario Environmental Protection Act, 1990
- .6 Ontario Regulation 347 – General – Waste Management
- .7 Wing Standing Order (WSO) 15.04 Emergency Response To Hazardous Materials Spills

1.2 SUBMITTALS

- .1 Submittals in accordance with Section 01 33 00 - Submittal Procedures.
- .2 Prior to commencing construction activities submit an Environmental Protection Plan to include the following:
 - .1 Spill Prevention and Response Plan.
- .3 Submit other data, information and documentation upon request by the Departmental Representative and as stipulated elsewhere in this section.

1.3 GENERAL

- .1 Comply with all federal, provincial, and municipal regulatory requirements and guidelines for environmental protection and natural resource conservation, including in section 1.0 References, noted above.
- .2 The Work site is subject to inspection by the Base Environment Officer, or designate, as well as, the Departmental Representative, without prior notice.
- .3 Failure to comply with environmental requirements may result in a stop work order or assessment of damages commensurate with repair of damage.
- .4 All references to payment referred to in OPSS references are to be disregarded and do not apply to this contract.
- .5 The Contractor will be unable to request extra funding to meet environmental requirements that are within the contract.
- .6 It is the Contractor's responsibility to be aware of environmental requirements and the best management practices and pollution control measures necessary to meet them.
- .7 Blasting is not permitted on DND property.
- .8 Fires and burning of rubbish are not permitted on DND property.

1.4 SPILLS AND REPORTING SPILLS

- .1 A spill or release is an accidental discharge of a pollutant (solid, liquid or gas) into the environment. After a spill or release, always ensure human health and safety is protected above all else.
- .2 All spills, regardless of size, that occur on DND property shall be reported to the Base Fire Hall and 8 Wing Environment. This includes all spills of any substance that is or is suspected of being a hazardous or environmentally hazardous substance.
- .3 Substances such as engine oil, hydraulic fluid, fuel, paint, varsol, thinners and other petroleum-based products where storage containers do not always indicate a hazardous material, are considered hazardous to the environment. These materials must be stored in secondary containment and all Safety Data Sheets (SDS) must be readily available on site. Treat all spills in accordance with the regulations.
- .4 Submit to the Departmental Representative a project-specific Spill Prevention and Response (SPR) Plan prior to work on-site.
 - .1 The SPR shall include environmental response measures necessary to prevent and to mitigate a pollutant release on National Defence property.
 - .2 The SPR is to include: roles and responsibilities, contact information, spill notification procedure, emergency spill response measures, project and site-specific clean up measures for spills, waste disposal, restoration activities, and reporting requirements.
 - .3 Identify storage locations of materials or wastes that may require emergency spill response. Identify spill control kit inventory and location(s).
 - .4 SPR shall identify equipment fueling location, methodology and control measures. Refueling operations shall be conducted within a secondary containment area. Refuel equipment no closer than 30 metres from water bodies.
- .5 The SPR is to be modified and updated as necessary. On-going assessments shall be performed during the progress of work identifying and documenting new or potential spill hazards and measures not previously known and identified.
- .6 Prior to starting work, provide to the Departmental Representative an inventory of hazardous material to be brought to the site, including volume or mass, and Safety Data Sheets (SDS).
- .7 Display an information placard on all such material and equipment containing liquid products that will be located overnight or longer on DND property.
 - .1 Information placards to include: Contractor's name and address, contact person, emergency telephone numbers, and liquid contents.
 - .2 Post the information placard either on the exterior of the container, or on the dashboard of the vehicle, where applicable.
- .8 The Contractor is to prepare an Emergency Spill Response Plan to deal with potential leaks and spills during their operations on site.
 - .1 Emergency Response:
 - .1 With respect to liquid spills, provide enough on-site equipment to control for one hour a liquid spill of 110% of any material brought on to—or handled at—the site.
 - .2 The on-site spill control kit required to include absorbent pads, absorbent granular, nitrile gloves, garbage bags and/or pails with lids, and shovels, and

applicable to the chemical used. A spill control kit shall be located wherever significant quantities of materials or wastes that may require emergency spill response are used or stored.

- .3 In the event of a spill, invoke Contractor's SPR Plan and make immediate notifications to Base Fire Hall, Departmental Representative, and Wing Environment.
- .4 In the event of a spill into the natural environment, do everything practicable to prevent, eliminate, and ameliorate adverse effects, and to restore the natural environment.
- .5 Emergency response planning is to include measures to escalate the response in the event of an emergency that exceeds on-site equipment capabilities.
- .9 The Contractor must ensure all emergency response equipment be available on site to deal with any spills and leaks, is of sufficient size to contain the largest amount of fluid on site, as well as ensure their personnel are trained to respond.
- .10 All spills must be reported by dialling the Base Fire Hall at 911. The Wing Environment Officer, the Project Manager and PSPC must also be informed immediately.
- .11 A spill report must be completed by the Contractor and sent to 8 Wing Environment within 24 hours of the spill occurring as per WSO 15.04 Emergency Response to Hazardous Materials Spills.

1.5 DISPOSAL OF WASTE

- .1 Do not bury rubbish and waste materials on site.
- .2 Do not dispose of waste or volatile materials, such as mineral spirits, oil or paint thinner into waterways, storm or sanitary sewers.
- .3 Remove legally and dispose of off site all surplus materials, debris, and waste materials resulting from the proposed project activities.
- .4 All waste and excess materials shall be disposed in accordance with all Provincial regulations and requirements.
- .5 All rubbish and/or waste must be transported and disposed of at a licensed facility off National Defence property compliant to the Provincial Regulatory requirements.
- .6 Waste contaminated by chemicals, hydrocarbons or other sources due to on site releases and spills by the Contractor must be disposed of at a licensed facility off National Defence property. DND's waste generator number is not to be used for waste disposal purposes. The Contractor shall provide their own waste generator number.
- .7 Copies of all waste manifests and documentation resulting from the project activities shall be submitted to PSPC and Wing Environment.

1.6 DRAINAGE

- .1 Do not pump water containing suspended materials into waterways, sewer or drainage systems.
- .2 Control disposal or runoff of water containing suspended materials or other harmful substances in accordance with local authority requirements.

- .3 Ensure that sufficient erosion control measures are in place prior to project commencement and are monitored and maintained throughout the duration of the project.

1.7 POLLUTION CONTROL

- .1 Control emissions from equipment and plant to local authorities' emission requirements.
- .2 Cover or wet down dry materials and rubbish to prevent blowing dust and debris.

1.8 ENVIRONMENTAL MITIGATION MEASURES

- .1 No refuelling in the vicinity of any watercourse or drainage system. A refuelling area complete with spill response equipment is to be established at a minimum of 30 meters from any shoreline, water course or catch basin.
- .2 Prevent construction debris, chemicals, hydrocarbons and contaminated effluent from entering the storm water drainage system. Cover catch basins, floor drains and manhole inlets on site.
- .3 Waste or contaminated materials must not be released into the storm water system or all other waterways. Install erosion control measures to prevent sediment migration into streams or watercourses.
- .4 All spills regardless of size or chemical compound (hydrocarbons, NPRI, or other) must be reported in accordance with contract requirements.
- .5 All potentially contaminating chemical compounds will be stored away from water or sewage areas and will have secondary containment.
- .6 Tools and construction materials removed from site must be inspected and cleaned prior to leaving the site.
- .7 The Contractor shall monitor site activities on a daily basis with respect to sediment, erosion control devices, secondary containment for chemical compounds and general site conditions. Any anomalies must be noted, dealt with and reported to PSPC/DND OPI.
- .8 Site disturbances shall be restored prior to project completion.

PART 2 PRODUCTS

2.1 NOT USED

- .1 Not Used.

PART 3 EXECUTION

3.1 NOT USED

- .1 Not Used.

END OF SECTION