|  |
| --- |
| Official Project Title:LOCATION - BUILDING NAME AND CONTRACT TITLE |
| Project ID:ID  | WBS Number:P-000000000 | Project Manager:Name | Phone Number:xxx-xxx-xxxx | Date: Click to select date. |

|  | Hydrocarbon Definition |
| --- | --- |
| For the purpose of this checklist, sources of hydrocarbon waste include waste oil, lubricants and other refined petroleum hydrocarbon products.Alberta Infrastructure disposes of, or recycles any quantities of hydrocarbon waste as regulated waste. |

|  | Emergency Response | Notes: |
| --- | --- | --- |
|  | The Contractor has submitted a site-specific emergency preparedness and response plan (EPRP). |  |
|  | The EPRP should include provisions for spills/ releases and fire. |  |
|  | Local authority may have further requirements. |  |

|  | Handling  | Notes: |
| --- | --- | --- |
|  | Code of practice for the storage, handling, use, disposal and prevention of uncontrolled releases of a substance listed below that is present at a work site as:1. a pure substance in an amount exceeding 10 kilograms; or
2. a mixture in which the amount of the substance is more than 10 kilograms and at a concentration of 0.1 percent by weight or more.

Substances requiring a code of practice:* + Benzene
	+ Isocyanates
	+ 1,3-Butadiene
	+ Methyl bromide
	+ Methyl hydrazine
	+ Coal tar pitch volatiles
	+ Perchlorates
	+ 1,2-Dibromoethane (Ethylene dibromide)
	+ Ethylene oxide
	+ Hexachlorobutadiene Styrene in styrene resin fabrication
	+ Hydrazines
	+ Vinyl chloride (Chloroethylene)
 |  |
|  | Contractor personnel are familiar with hazards, the use of protective equipment and clothing procedures when handling hydrocarbon waste. |  |

|  | Packaging | Notes: |
| --- | --- | --- |
|  | Hydrocarbon waste materials that are designated a dangerous good are stored in packages or containers made of materials that are compatible with the hydrocarbon waste they contain, and are of durable construction and designed to resist damage from normal material handling activities. |  |
|  | Reactive substances are stored such that they are not exposed to any factor which makes them unstable. |  |

|  | Temporary Waste Storage | Notes: |
| --- | --- | --- |
|  | Signage/labelling/notices (with class and division information) are clearly positioned indoor and outdoor of the temporary hydrocarbon waste storage areas and on hydrocarbon waste containers at all times, including the duration of transportation if/when moved. Temporary hydrocarbon storage areas are secured and only accessible to authorized personnel. |  |
|  | Indoor hydrocarbon storage sites that are holding wastes in liquid form are equipped, designed, constructed and operated with the following:1. a floor constructed of materials which will not react with or absorb any waste or waste constituent, and which has no drains that provide a direct connection to a sewer
2. a continuous impervious curb at least 15 cm high placed on the perimeter of the floor which prevents waste escaping between the floor and the curb
3. Appropriate side walls to protect the containers from the weather
4. adequate access for fire fighting and fire fighting equipment;
5. for flammable and combustible hydrocarbons should be in accordance with the applicable sections of Part 3 in the Alberta Fire Code;
6. a floor area plan is included in the fire safety plan where plastics, rubbers, aerosols, or dangerous goods are stored;
7. Materials are available to clean up spilled liquid or solid dangerous materials;
8. flammable or combustible liquids have dykes, drainage or absorbents to contain the liquid in the event of a spill to protect water, sewers etc.
 |  |
|  | Storage and handling of containers (<230L) or portable tanks (<2500L) of flammable or combustible liquids are not located near or adjacent to exits. |  |
|  | Storage of flammable and combustible liquids does not exceed the maximum quantities out line in the Alberta Fire Code.Cabinets for Container Storage of flammable or combustible liquids are stored in closed containers. |  |
|  | Leaking waste containers are placed in overpack containers or the contents transferred to a container in good condition. |  |
|  | Taking all reasonable measures to repair, remedy and confine the effects of the substance and removing or otherwise disposing of it in a manner so as to effect maximum protection to human life, health and the environment. |  |
|  | The storage site floor drains, sumps or other openings in the floor are: 1. closed and sealed to prevent the release of liquids, OR
2. A secondary containment is provided where the waste will terminate at a location where any spilled liquids can be contained and recovered,
3. Incompatible waste is stored separately in a manner that there are no contacts between them, even in the event of a release, and;
4. will not create a fire hazard or a risk to public health or safety.
 |  |
|  | Hydrocarbon storage sites are equipped, designed, constructed and operated with the following:1. ventilation Systems in compliance with requirements stipulated under the Fire Code.
2. maintained so that surface run-off water cannot enter the secondary containment system.
3. incompatible hazardous wastes are stored in such a manner that there is no contact between them, even in the event of a release (including water, heat).
 |  |
|  | All equipment and containers of Hydrocarbon material are stored in a manner that makes them accessible for inspection. |  |
|  | Where reasonably practicable, any indoor Hydrocarbon storage site is:1. readily accessible for firefighting and other emergency procedures;
2. the site is not subject to flooding;
3. chosen to minimize the potential for environmental damage arising from normal operation of the facility complies with siting requirements stipulated in the Planning Act.
 |  |
|  | Hydrocarbon storage site, kept in good condition and if damaged, immediate repairs or replacement of any equipment or structures used to store or contain hydrocarbon material is completed. |  |
|  | The storage facility where containers holding solid hazardous waste are stored consists of a structure with appropriate side walls and roof to protect the containers from the weather. Only containers provided with secondary containment such as a plastic inner liner or some form of overpack container may be stored in an area where a proper cover (roof) is not provided. |  |

|  | Transportation  | Notes: |
| --- | --- | --- |
|  | Persons transporting or handling dangerous goods have valid and current TDG certification. |  |
|  | Contractor transporting hazardous waste has correct TDG placarding on vehicles. |  |
|  | Contractor responsible to provide required manifests. Project Manager to provide generator number. |  |
|  | All hazardous recyclables of quantities greater than 205L or 205kg, are consigned with a recycle docket.  |  |
|  | Emergency response kit required on transportation vehicle. |  |

|  | Disposal | Notes: |
| --- | --- | --- |
|  | Hydrocarbon waste has been disposed of or recycled by a licensed waste disposal facility or hazardous waste recycling facility (to be verified by copy of manifest). |  |
|  | All hazardous wastes which contain1. one or more halogenated organic compounds with a concentration less than 1000 mg per kg, of which no more than 50 mg per kg is PCB
2. any substance or mixture of substances that ignites and propagates combustion
3. less than 1000 mg per kg of free cyanides
4. a pH greater than 12.5

are disposed of in Class 1 landfills only. |  |
|  | Liquid hazardous waste containing less than 1000 mg per kg of one or more of the following;* 1. acetone,
	2. benzene
	3. n-butyl alcohol
	4. carbon disulphide
	5. cresol and cresylic acid
	6. cyclohexane
	7. ethyl acetate
	8. ehtyl benzene
	9. ehtyl ether
	10. isobutanol
	11. methanol
	12. methyl ethyl keton
	13. nitrobenzene
	14. 2-nitropropane
	15. pyridine
	16. toluene
	17. xylene

are disposed of into class 1 landfills. |  |
|  | Spilled flammable or combustible liquid is:1. flushed into a suitable engineered drainage system,
2. not disposed into or under water or ice except in accordance with an approval from Alberta Environment, or;
3. removed with appropriate absorbent materials.
 |  |

|  | Records | Notes: |
| --- | --- | --- |
|  | Records of all inspections conducted on site. |  |
|  | Copy of Shipping documents and manifests for transportation of waste. |  |
|  | Copy of disposal certificate from disposal facility or copy of recycling certificate from recycling facility. |  |
|  | Copy of EPRP. |  |
|  | Records indicating date, type, location, and quantity of hazardous waste brought into or removed from storage facility. |  |
|  | Copy of all recycle waste dockets. |  |

|  | Reportable Limits | Notes: |
| --- | --- | --- |
|  | Contractor reports all spills or releases of any quantities to Alberta Infrastructure. |  |
|  | An immediate report of an accidental release is made if the release consists of a quantity of dangerous goods creates a liquid sheen on nearby water, or is greater than the quantity or emission level set out below.**Class Quantity**1 Any quantity that could pose a danger to public safety or 50 kg2 Any quantity that could pose a danger to public safety, or any sustained release of 10 minutes or more3 200 L4 25 kg5.1 50 kg or 50 L5.2 1 kg or 1 L6.1 5 kg or 5 L6.2 Any quantity that could pose a danger to public safety, or 1 kg or 1 L8 5 kg or 5 L9 25 kg or 25 L |  |