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

|  | Abandoned Chemicals |
| --- | --- |
| Abandoned chemicals are defined as unidentified substances or materials that are no longer used for their original purpose. For the purpose of this checklist, sources of unidentified abandoned chemicals include unwashed chemical containers and chemicals found either without identification labels or with an obliterated label (corroded, faded or smeared).  Alberta Infrastructure disposes any quantity of these materials as unregulated waste as well as regulated waste. | |

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

|  | Identification of unidentified abandoned chemicals | Notes: |
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|  | Identify abandoned chemical to determine if substance is combustible or flammable for appropriate indoor or outdoor storage according to Alberta Fire Code. |  |
|  | Identify abandoned chemical to determine the classification of dangerous good for appropriate placarding and storage during transportation. |  |
|  | Identify abandoned chemical to determine appropriate waste disposal method and waste disposal/recycling facility. |  |
|  | See appropriate Hazardous Materials Health Safety and Environmental Compliance Checklist if applicable to identified abandoned chemical. |  |

|  | Handling | Notes: |
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|  | Persons handling unidentified abandoned chemical wastes are trained in safe work procedures, proper use of PPE, and emergency response procedures. |  |
|  | If unidentified abandoned chemical wastes are in combination with any of the following substances that is:  a pure substance in an amount exceeding 10kg or  a mixture in which the amount of the substance is more than 10kg at a concentration of 0.1 percent by weight or more,  a code of practice for the storage, handling and disposal of unidentified abandoned chemical waste is made available. |  |
|  | Substances and processes requiring a code of practice:   * Arsenic and arsenic compounds * Asbestos * Benzene * Beryllium * 1,3-Butadiene * Cadmium * Coal tar pitch volatiles * 1,2-Dibromoethane (Ethylene dibromide) * Ethylene oxide * Hexachlorobutadiene * Hydrazines * Hydrogen sulphide * Isocyanates * Lead and lead compounds * Methyl bromide * Methyl hydrazine * Perchlorates * Silica-crystalline, respirable * Styrene in styrene resin fabrication * Vinyl chloride(Chloroethylene) * Zinc chromate |  |

|  | Packaging | Notes: |
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|  | Unidentified abandoned chemical waste that is classified under the Transportation of Dangerous Goods (TDG) is not mixed with other classified unidentified abandoned chemical containing wastes. |  |
|  | Contractor engaged in identification of abandoned chemicals will package unidentified abandoned chemical waste appropriately for transportation. |  |

|  | Temporary Waste Storage | Notes: |
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|  | Signage is posted in temporary Unidentified Abandoned Chemical waste storage areas. Temporary Unidentified Abandoned Chemical waste storage areas are secured and only accessible to authorized personnel. |  |
|  | For indoor storage areas:   1. Appropriate materials and measures are available to clean up any type of spilled liquid or solid dangerous materials. 2. Materials used to clean up dangerous materials spills are: 3. Compatible and non-reactive with the materials being cleaned up, and 4. Properly disposed of after use. |  |
|  | For Outdoor storage areas:   1. Proper drainage and containment is provided for spilled/escaped waste oils or dangerous goods; 2. Greater than 100 square metres:    1. Should be fenced in (fence not less than 1.8 m high) to restrict access, and    2. Is level and solid ground or paved with asphalt, concrete or other hard surface material. |  |
|  | Incompatible dangerous goods should be stored separately and away from flammable and combustible products. |  |
|  | Suitable equipment (i.e. absorbent materials) are available on site to handle emergency situations. |  |

|  | Transportation | Notes: |
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|  | 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. |  |
|  | Emergency response kit required on transportation vehicle. |  |

|  | Disposal | Notes: |
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|  | Unidentified Abandoned Chemical waste has been disposed of or recycled (if greater than 205 litres or 205 kilograms) by a licensed waste disposal facility (to be verified by copy of manifest). |  |
|  | All hazardous wastes which contain   1. 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. |  |
|  | Hazardous wastes containing   1. arsenic: 500 mg per kg 2. beryllium: 100 mg per kg 3. cadmium: 100 mg per kg 4. chromium-hexavalent :500mg per kg 5. lead: 500 mg per kg 6. mercury: 20 mg per kg 7. nickel: 500 mg per kg 8. selenium: 200 mg per kg 9. silver: 100 mg per kg 10. thallium mg per kg   are deposited to 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. |  |

|  | Records | Notes: |
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|  | Records of all inspections conducted on site. |  |
|  | Copy of Shipping documents and manifests for transportation of waste. |  |
|  | Copy of disposal certificate from disposal facility. |  |
|  | Copy of EPRP. |  |
|  | Copy of fire protection plan. |  |
|  | Copy of chemical analysis for the identification of abandoned chemical waste. |  |
|  | Copy of procedures used to determine the classification of Unidentified Abandoned Chemical waste. |  |

|  | Reportable limits | Notes: |
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|  | 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 or an emission of radiation that 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 kg  2 Any quantity that could pose a danger to public safety, or any sustained release of 10 minutes or more  3 200 L  4 25 kg  5.1 50 kg or 50 L  5.2 1 kg or 1 L  6.1 5 kg or 5 L  6.2 Any quantity that could pose a danger to public safety, or 1 kg or 1 L  7 Any quantity that could pose a danger to public safety, or 2 mSv/h on the external surface of a package that is not being transported under exclusive use, 0.1 mSv/h at a distance of 1 m from the pack­age, 2 mSv/h on the surface of the con­veyance, and 0.1 mSv/h at a distance of 2 m from the surface of the conveyance.  8 5 kg or 5 L  9 25 kg or 25 L |  |