**DETAILS OF RELEASE:**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name of Reporter: | | |  | | | | Date of Report: | | |  |
| Material Released: | | |  | | | | | | | |
| Volume Released (est. in kg): | | | | |  | | | | | |
| Dangerous Goods Incident Release Number# (DGIR#): | | | | | | | |  | | |
|  | | | | | |  | | | | |
| Date of Spill: | |  | | | | Time of Spill: | | |  | |
| Duration of Spill (est): | | | |  | | | | | | |
| Spill location: |  | | | | | | | | | |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Release / Spill to: | | Sanitary Sewer  Soil / gravel / grass  Indoor surface  Other (provide detail): | | Storm Sewer  Concrete / Asphalt  Air | |
|  |  | | | | |
| Description of Release / Spill: | | |  | | |
|  | | | | | |
|  | | | | |  |
| A description of the circumstances, cause and adverse effects of the spill. | | | | |  |
|  | | | | | |

|  |  |
| --- | --- |
| Names of any government agencies present: |  |
|  | |
|  | |
| Names of any persons or agencies advised: |  |
|  | |

## DETAILS OF CLEAN-UP:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Who performed clean up? | | |  | |
| What was used? | |  | | |
|  | | | |  |
| Details: |  | | | |
|  | | | | |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Has spill material been tagged & submitted for pick-up in the Hazardous Waste Inventory System? | | | | | | |
|  | Yes | | No | Not applicable (sewer/air) | | |
|  |  | |  |  | | |
| Submitted by: | |  | | | Date: |  |

**CAUSE & IMPROVEMENTS TO PREVENT RE-OCCURANCE:**

|  |  |
| --- | --- |
| Cause of Release / Spill: |  |
|  | |
|  | |
| What could be changed to prevent a similar occurrence in the future? |  |
|  | |

## HSE ACTIONS & FOLLOW UP:

|  |  |  |  |
| --- | --- | --- | --- |
| Report Received & Actioned by: | | |  |
| Reported to: | |  | |
| City of Kelowna (Sanitary)  Ministry of the Environment (Report a Spill)  Transportation of Dangerous Goods  30 day End-of-Spill Complete  Sustainability Office (Refrigerants)  Kelowna Fire Department  Biosafety / Radiation Safety Officer (UBC V)  Other: | | | |
|  |  | | |
| Other Details: |  | | |
|  | | | |

### Addendum 1: City of Kelowna Sewer Use By-Law Release Limits

PROHIBITED WASTES:

* 1. Any gasoline, benzene, naphtha, alcohol, fuel, oil, solvents, acetone or flammable or explosive liquid, solid or gas.
  2. Any pesticides, insecticides, herbicides or fungicides save and except chemicals contained in storm water emanating from trees or vegetation treated in accordance with the INTEGRATED PEST MANAGEMENT ACT, SBC 2003, and amendments thereto.
  3. Any corrosive, noxious or malodorous gas, liquid, or substance which either singly or by interaction with other wastes, is capable of: (i) creating a public nuisance or hazard to life; (ii) preventing human entry into a sewer or pump station; or (iii) causing damage to the sewerage system.
  4. Radioactive material - except within such limits as are permitted by license issued by the Atomic Energy Control Board of Canada.
  5. Any material from a cesspool.
  6. Any solid or viscous substance capable of obstructing wastewater flow or interfering with the operation of the sewerage system or treatment facilities. These substances include but are not limited to ashes, cinders, grit sand, mud, straw, grass clippings, insoluble shavings, metal, glass, rags, feathers, tar, asphalt, creosote, plastics, wood, animal paunch contents, offal, blood, bones, meat trimmings and waste, fish or fowl head, shrimp, crab or clam shells, fish scales, entrails, lard, mushrooms, tallow, baking dough, chemical residues, cannery or wine waste, bulk solids, hair and fleshings, spent grain and hops, whole or ground food or beverage containers, garbage, paint residues, cat box litter, slurries of concrete, cement, lime or mortar.
  7. Any storm water or uncontaminated wastewater into the sanitary sewer system.
  8. Any domestic wastewater or industrial wastewater into the storm drain system.
  9. Any waste, liquid or material classified as a 'Hazardous Waste' pursuant to the provisions of the ENVIRONMENTAL MANAGEMENT ACT, S.B.C., 2003, and amendments thereto.

RESTRICTED WASTES:

1. Any non-domestic waste having a B.O.D. in excess of 500 milligrams per litre as analyzed in a one-operating day Composite Sample, 1000 milligrams per litre as analyzed in a 2-hour Composite Sample, and 2000 milligrams per litre as analyzed in a Grab Sample;
2. Any non-domestic waste having a C.O.D. in excess of 750 milligrams per litre as analyzed in a one-operating-day Composite sample, 1500 milligrams per litre as analyzed in a 2-hour Composite sample, and 3000 milligrams per litre as analyzed in a Grab sample.
3. Any non-domestic waste which contains suspended solids in a concentration that is in excess of 600 milligrams per litre as analyzed in a one-operating-day Composite Sample, 1200 milligrams per litre as analyzed in a 2-hour Composite Sample, and 2400 milligrams per litre as analyzed in a Grab Sample;
4. Any garbage that has been ground, comminuted or shredded by a garbage disposal unit;
5. Any non-domestic liquid or vapour having a temperature higher than 65° Celsius;
6. Any non-domestic waste which contains oil and grease in a concentration that is in excess of 150 milligrams per litre as analyzed in a one-operating day Composite Sample, 300 milligrams per litre as analyzed in a 2-hour Composite Sample, and 600 milligrams per litre as analyzed in a Grab Sample, and any non-domestic waste which contains oil and grease derived from a petroleum source in a concentration that is in excess of 15 milligrams per litre as analyzed in a

one-operating-day Composite Sample, 30 milligrams per litre as analyzed in a 2-hour Composite Sample, and 60 milligrams per litre as analyzed in a Grab Sample;

1. Any substance which may solidify or become viscous at temperatures above 0° Celsius;
2. Any non-domestic waste which has a pH lower than 5.0 or higher than 11.0 as determined by a Grab Sample of the discharge, or less than 5.5 or higher than 10.5 as determined by a two-hour Composite Sample.
3. Any water or waste that will by itself or with other water or wastes in the sewerage system, release noxious gases, or create any other condition deleterious to the pipe, gaskets, structures or treatment processes; Consolidated Bylaw No. 6618-90 - Page 10.
4. Any water or waste containing dyes or colouring materials which pass through a sewage works and discolour the sewage works effluent, with the exception of dyes used by the City for testing purposes;
5. Any water or waste containing a hazardous or a toxic or poisonous substance in sufficient quantity to injure or interfere with any sewer, sewage treatment equipment and sewage treatment process, to constitute a hazard to humans or animals, or to create any hazard in the receiving waters or the effluent of the sewage treatment plant.
6. Any material which exerts or causes:
   1. unusual concentrations of inert suspended solids, such as, but not limited to, fuller's earth;
   2. unusual concentrations of dissolved solids such as but not limited to sodium chloride, calcium chloride or sodium sulphate;
7. Any water or waste added for the purpose of diluting wastes which would otherwise exceed applicable maximum concentrations;
8. Any non-domestic waste which, at the point of discharge into a sewer, contains any substance, in a combined or uncombined form, with a concentration in excess of the levels set out below. All concentrations are expressed as total concentrations, which include both the dissolved and undissolved substances

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | Concentration in milligrams per litre | | |
| Substance | Expressed  as | One Day Composite  Sample | Two Hour Composite  Sample | Grab Sample |
| Aluminum | Al | 50.0 | 100.0 | 200.0 |
| Arsenic | As | 1.0 | 2.0 | 4.0 |
| Boron | B | 50.0 | 100.0 | 200.0 |
| Cadmium | Cd | 0.2 | 0.4 | 0.8 |
| Chromium | Cr | 4.0 | 8.0 | 16.0 |
| Cobalt | Co | 5.0 | 10.0 | 20.0 |
| Copper | Cu | 2.0 | 4.0 | 8.0 |
| Cyanide | Cn | 1.0 | 2.0 | 4.0 |
| Iron | Fe | 10.0 | 20.0 | 40.0 |
| Lead | Pb | 1.0 | 2.0 | 4.0 |
| Manganese | Mn | 5.0 | 10.0 | 20.0 |
| Mercury | Hg | 0.05 | 0.1 | 0.2 |
| Molybdenum | Mo | 1.0 | 2.0 | 4.0 |
| Nickel | Ni | 2.0 | 4.0 | 8.0 |
| Phenols |  | 1.0 | 2.0 | 4.0 |
| Phosphorus | P | 12.5 | 25.0 | 50.0 |
| Silver | Ag | 1.0 | 2.0 | 4.0 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  | Concentration in milligrams per litre | | |
| Substance | Expressed  as | One Day Composite  Sample | Two Hour Composite  Sample | Grab Sample |
| Sulphate | SO4 | 1500.0 | 3000.0 | 6000.0 |
| Sulphide | S | 1.0 | 2.0 | 4.0 |
| Tin | Sn | 5.0 | 10.0 | 20.0 |
| Zinc | Zn | 3.0 | 6.0 | 12.0 |

### Addendum 2: Province of British Columbia Schedule of Spill Reporting Regulations (2017)

|  |  |  |
| --- | --- | --- |
| Item | Substances | Quantity |
| 1 | Class 1, Explosives as defined in section 2.9  of the Federal Regulations | 50 kg, or less if the substance poses a danger  to public safety |
| 2 | Class 2.1, Flammable Gases, other than  natural gas, as defined in section 2.14 (a) of the Federal Regulations | 10 kg |
| 3 | Class 2.2 Non-flammable and Non-toxic  Gases as defined in section 2.14 (b) of the Federal Regulations | 10 kg |
| 4 | Class 2.3, Toxic Gases as defined in section  2.14 (c) of the Federal Regulations | 5 kg |
| 5 | Class 3, Flammable Liquids as defined in  section 2.18 of the Federal Regulations | 100 L |
| 6 | Class 4, Flammable Solids as defined in  section 2.20 of the Federal Regulations | 25 kg |
| 7 | Class 5.1, Oxidizing Substances as defined in  section 2.24 (a) of the Federal Regulations | 50 kg or 50 L |
| 8 | Class 5.2, Organic Peroxides as defined in  section 2.24 (b) of the Federal Regulations | 1 kg or 1 L |
| 9 | Class 6.1, Toxic Substances as defined in  section 2.27 (a) of the Federal Regulations | 5 kg or 5 L |
| 10 | Class 6.2, Infectious Substances as defined in  section 2.27 (b) of the Federal Regulations | 1 kg or 1 L, or less if the waste poses a  danger to public safety or the environment |
| 11 | Class 7, Radioactive Materials as defined in section 2.37 of the Federal Regulations | Any quantity that could pose a danger to public safety and an emission level greater than the emission level established in section 20 of the Packaging and Transport of Nuclear  Substances Regulations, 2015 (Canada) |
| 12 | Class 8, Corrosives as defined in section 2.40  of the Federal Regulations | 5 kg or 5 L |
| 13 | Class 9, Miscellaneous Products, Substances  or Organisms as defined in section 2.43 of the Federal Regulations | 25 kg or 25 L |
| 14 | waste containing dioxin as defined in section  1 of the Hazardous Waste Regulation | 1 kg or 1 L, or less if the waste poses a  danger to public safety or the environment |
| 15 | leachable toxic waste as defined in section 1  of the Hazardous Waste Regulation | 25 kg or 25 L |
| 16 | waste containing polycyclic aromatic  hydrocarbon as defined in section 1 of the Hazardous Waste Regulation | 5 kg or 5 L |
| 17 | waste asbestos as defined in section 1 of the  Hazardous Waste Regulation | 50 kg |
| 18 | waste oil as defined in section 1 of the  Hazardous Waste Regulation | 100 L |

|  |  |  |
| --- | --- | --- |
| Item | Substances | Quantity |
| 19 | waste that contains a pest control product as  defined in section 1 of the Hazardous Waste Regulation | 5 kg or 5 L |
| 20 | PCB wastes as defined in section 1 of the  Hazardous Waste Regulation | 25 kg or 25 L |
| 21 | waste containing tetrachloroethylene as  defined in section 1 of the Hazardous Waste Regulation | 50 kg or 50 L |
| 22 | biomedical waste as defined in section 1 of  the Hazardous Waste Regulation | 1 kg or 1 L, or less if the waste poses a  danger to public safety or the environment |
| 23 | a hazardous waste as defined in section 1 of the Hazardous Waste Regulation and not  covered under items 1 to 22 | 25 kg or 25 L |
| 24 | a substance, not covered by items 1 to 23,  that can cause pollution | 200 kg or 200 L |
| 25 | natural gas | 10 kg |

*Class* – refers to the TDG classification for the material spilled which can be found in Section 14 of the associated Safety Data Sheet (SDS)

[Provisions relevant to the enactment of this regulation: Environmental Management Act, S.B.C. 2003, c. 53, sections 92.1 and 139]