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REGISTERED MAIL

Columbia Shuswap Regional District

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Dear Columbia Shuswap Regional District

**Re: Warning Letter, Operational Certificate 15821**

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On June 11, 2019, Ministry of Environment, Environmental Protection Division staff conducted an inspection under *Environmental Management Act (EMA)*. The inspection determined that Columbia Shuswap Regional District is out of compliance with its Operational Certificate 15821, and the section(s) listed below. This Warning Letter lists the compliance verification information contained below.

Failure to comply with the requirements set out in your Operational Certificate is an offence under the *EMA*. Section 120(11) of *EMA* states as follows:

*120(11) A municipality that... (b) contravenes a waste management plan that has been approved by the minister commits an offence and is liable on conviction to a fine not exceeding \$300,000.*

It should also be noted that, as an alternative to prosecution of the offence referenced above, the Ministry may initiate action to impose an administrative penalty against Columbia Shuswap Regional District. *The Administrative Penalties Regulation (EMA)* (B.C. Reg. 133/2014) (APR) was brought into force in 2014. The APR describes the prescribed provisions of *EMA* as well as that of specified regulations under which administrative penalties can be assigned. Section 12(1) of the APR states as follows:

*12(1) A person who contravenes section 6 (2), (3) or (4), 7, 8, 9 (1) or (4), 11, 25 (2), 40 (1), (2), (3), (6) or (7), 48 (8), (10) or (15), 55 (1), 72 (1) or (2) or 76.2 of the Act is liable to an administrative penalty not exceeding \$75 000.*

I request that Columbia Shuswap Regional District immediately implement the necessary changes or modifications to correct the non-compliance(s) listed above with *EMA*. Further, I request that Columbia Shuswap Regional District notify this office in writing, by email or letter within 30 days of this letter, advising what corrective measures have been taken, and what else is being done, to prevent similar non-compliances in the future.

Please submit your response to the Ministry's Compliance Mailbox at [EnvironmentalCompliance@gov.bc.ca](mailto:EnvironmentalCompliance@gov.bc.ca).

As a result of this Warning, this authorization will be prioritized for follow-up inspection. The corrective measures will be reviewed by an Officer as part of the next inspection.

Finally, if you fail to take the necessary actions to restore compliance, you may be subject to escalating enforcement action. This Warning Letter and the alleged violations and circumstances to which it refers, will form part of the compliance history of Columbia Shuswap Regional District and will be taken into account in the event of future violations.

**Inspection Details:**

Requirement Description:	<p><b>1. AUTHORIZED DISCHARGE, 1.1</b></p> <p>1.1: This authorization applies to the discharge of SOLID WASTE TO A SANITARY LANDFILL known as the REVELSTOKE LANDFILL. 1.1 The authorized works are a sanitary landfill and related appurtenances approximately located as shown on Site Plan A.</p>
Details/Findings:	<p>On June 11, 2019, Ministry of Environment and Climate Change Strategy (Ministry) Environmental Protection Officer Keith Connolly conducted a planned onsite and office review inspection of a landfill, owned and operated by the Columbia Shuswap Regional District (CSRD), located at 330 Westside Road, Revelstoke, BC (Site). The purpose of the inspection was to verify compliance with Operational Certificate 15821 (OC), which authorizes the management of waste and recyclable material at the Site, subject to the conditions of the OC. The OC was issued December 24, 1998, and last amended March 1, 2011. On March 19, 2009, the Minister of Environment and Climate Change Strategy approved the solid waste management plan (SWMP) for the CSRD. An updated to the SWMP was recently approved by the Minister on June 3, 2019. The OC granted to the CSRD pursuant to Section 28(2) of EMA forms part of the SWMP. Any non-compliance with the OC is considered a non-compliance with the SWMP.</p> <p>Ministry staff were accompanied during the inspection by Isaac Walker, CSRD Waste Management Facilities Superintendent. The inspection assessed compliance for the period from January 1, 2017, to June 3, 2019, and included the review of the following documents:</p> <ul style="list-style-type: none"> <li>- Solid Waste Management, Annual Operations and Monitoring Report, Revelstoke Refuse Disposal Site MR-15821, 2017, submitted May 2, 2018, prepared by the CSRD (2017 Annual Report);</li> <li>- Solid Waste Management, Annual Operations and Monitoring Report, Revelstoke Refuse Disposal Site MR-15821, 2018, submitted April 30, 2019, prepared by the CSRD (2018 Annual Report);</li> <li>- Conformance Review - Revelstoke Refuse Disposal Site, dated January 24, 2019, prepared by XCG Consulting Limited (2019 Conformance Review);</li> <li>- Design, Operations, and Closure Plan, Revelstoke Refuse Disposal Site, Revelstoke British Columbia, dated January 15, 2019, prepared by XCG Consulting Limited (2019 DOCP);</li> <li>- Revelstoke Refuse Disposal Site, Design &amp; Operations Plan, Columbia Shuswap Regional District, Final Report, dated January 2007, prepared by Sperling Hansen Associates (2007 DOP).</li> <li>- Columbia Shuswap Regional District, Refuse Disposal Site Operations Manual, undated, created by the CSRD (Scaled Refuse Op Manual)</li> <li>- Schedule E Refuse Disposal Operations Landfill Cover &amp; Compaction, undated, created by the CSRD (C&amp;C Contract Language)</li> </ul> <p>Compliance Assessment: Ministry staff observed the sanitary landfill and related appurtenances approximately located as shown on the Site Plan.</p>
Compliance:	In

Requirement Description:	<b>1. AUTHORIZED DISCHARGE, 1.2</b> 1.2: This authorization applies to the discharge of SOLID WASTE TO A SANITARY LANDFILL known as the REVELSTOKE LANDFILL. 1.2 The maximum quantity of waste discharges shall not exceed the design capacity of the landfill as specified in the approved Design and Operations Plan. The final footprint and profile of the discharges waste shall be within that specified in the Design and Operations Plan, and roughly as shown on the attached Site Plan A.
Details/Findings:	Table 4.2 of the 2019 DOCP presents historical and future waste tonnages for the Site and indicates that the design capacity for the landfill is 426,806 m <sup>3</sup> . As of August 2018, 286,900 m <sup>3</sup> have been discharged to the landfill.
Compliance:	In
Requirement Description:	<b>1. AUTHORIZED DISCHARGE, 1.3</b> 1.3: This authorization applies to the discharge of SOLID WASTE TO A SANITARY LANDFILL known as the REVELSTOKE LANDFILL. 1.3 The authorized discharge is municipal solid waste as defined in the Environmental Management Act and other waste as may be authorized by the Director.
Details/Findings:	Ministry staff observed that the waste being discharged at the Site was municipal solid waste (MSW) and that no other waste other than MSW, as defined in EMA, was being discharged at the time of the inspection.
Compliance:	In
Requirement Description:	<b>2. DESIGN AND PERFORMANCE REQUIREMENTS, 2.1 Design and Operating Plan</b> 2.1: The Operational Certificate holder shall prepare and maintain a current Design and Operations Plan prepared by a qualified professional. The Plan shall be reviewed and updated as needed at least once every five years. The Plan must address, but not be limited to, each of the subsections in the Landfill Criteria for Municipal Solid Waste including performance, siting, design, operational, closure and post-closure criteria. The facilities must be developed, operated and closed in accordance with the Plan. Should there be any inconsistency between this Operational Certificate and the Plan, this Operational Certificate shall take precedence. Written authorization from the Director shall be obtained prior to implementing any changes to the approved plans. Based on any information obtained in connection with this facility, the Director may require revision of, or addition to, the design, operating and closure plans.

<p>Details/Findings:</p>	<p>The CSRD submitted an updated DOCP on June 3, 2019. Prior to the 2019 DOCP, the DOCP was last updated in 2007, and therefore the CSRD is out of compliance with the requirement to update the document at least once every five years. Both the 2007 DOP and 2019 DOCP were prepared by qualified professionals (QPs).</p> <p>Both the 2017 DOP and the 2019 DOCP addresses the subsections in the Landfill Criteria for Municipal Solid Waste and listed in Section 2.1 of the OC (siting, design, operational, closure and post-closure criteria).</p> <p>During the inspection period, the CSRD was operating the Site under the 2007 DOP; therefore, compliance with operating in accordance with a plan was assessed with the 2007 DOP.</p> <p>Regarding the requirement to operate the landfill in accordance with the 2007 DOP, Ministry staff observed that the Site was not adhering to the 2007 DOP in the following ways:</p> <ul style="list-style-type: none"> <li>- Litter Control: the 2007 DOP states that litter control fencing should be erected in the dominant downwind direction, which was not observed. Another litter control measure identified in the 2007 DOP is a regularly scheduled litter pick-up program. Mr. Walker stated that the contractor does conduct litter pick-up; however, it was evident during the inspection from the volume of litter observed by Ministry staff (Photo 1) that litter pick-ups were not being conducted at a sufficient frequency.</li> <li>- Daily/Intermediate Cover: The 2007 DOP states that an area inactive for more than 30 days requires at least 300 mm of intermediate cover. Ministry staff observed exposed waste on east (Photo 2) and west (Photo 3) slopes of the landfill, indicating insufficient intermediate cover. Applying sufficient intermediate cover will also reduce excess litter at the Site.</li> <li>- Landfill Gas Monitoring: Section 10.4 of the 2007 DOP recommends that the landfill gas monitoring program that was occurring prior to 2007 continue. The 2019 DOCP states that landfill gas monitoring is not occurring and therefore the CSRD has not been operating in accordance with the 2007 DOP regarding landfill gas monitoring.</li> <li>- Geotechnical Inspection and Landfill Survey: The 2007 DOP recommends completing a geotechnical inspection and landfill survey every two years. While a slope stability assessment was completed in 2018 (Appendix B of the 2019 DOCP), geotechnical inspections and land surveys were not completed during the inspection period.</li> <li>- Fill Plan: Table 5-2 of the 2007 DOP states that the scheduled completion of Phase 1 of the progressive fill plan is 2014. Table 5.1 of the 2019 DOCP states that Phase 1 of the progressive fill plan is scheduled to reach capacity in the fall of 2020. Elevation contours between June 25, 2006 (Figure 2-2A of the 2007 DOP) and August 2018 (Sheet C-01 of the 2019 DOCP) indicate between five and ten metres of waste was deposited on the Phase 2 portion of the landfill in that time period, accounting for the delayed completion of Phase 1 of the fill plan.</li> <li>- Leachate Management: The primary methods of leachate management identified in the 2007 DOP are proper surface water control and progressive closure. Because the progressive closure plan has not been followed, surface water control measures have not been implemented and as a result, leachate has not been managed according the 2007 DOP.</li> </ul> <p>Changes to the 2007 DOP reflected in 2019 DOCP have not yet been approved by the Director; therefore, the CSRD is required to adhere to the 2007 DOP before implementing the 2019 DOCP.</p>
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Compliance:	Out
Actions to be taken:	<p>Ensure the DOCP is updated at least once every five years. The next update is required prior to June 3, 2024.</p> <p>Ensure additional litter control measures are implemented at the Site.</p> <p>Ensure that sufficient intermediate cover is applied to appropriate areas of the Site such that waste does not remain exposed.</p> <p>Ensure that landfill gas monitoring resumes in accordance with the 2007 DOP until the landfill gas monitoring plan outlined in the 2019 DOCP is approved.</p> <p>Until the 2019 DOCP, which does not recommend geotechnical inspections and land surveys, is approved, ensure that these activities are completed in accordance with the 2007 DOP.</p> <p>Until the 2019 DOCP is approved, ensure that the progressive fill plan outlined in the 2007 DOP is adhered to.</p> <p>Until the 2019 DOCP is approved, ensure that surface water control and leachate management are implemented according to the 2007 DOP.</p>
Requirement Description:	<p><b>2. DESIGN AND PERFORMANCE REQUIREMENTS, 2.2 Qualified Professionals</b></p> <p>2.2: All facilities and information, including works, plans, assessments, investigations, surveys, programs and reports, must be certified by Qualified Professionals.</p>
Details/Findings:	<p>The consultants that prepared the documents used to assess compliance are listed in the "Details/Findings" of section 1.1. Ministry staff confirmed that the documents were prepared by Qualified Professionals (QPs).</p>
Compliance:	In
Requirement Description:	<p><b>2. DESIGN AND PERFORMANCE REQUIREMENTS, 2.3 Maintenance of Works and Emergency Procedures</b></p> <p>2.3: The authorized works shall be inspected regularly and maintained in good working order. In the event of an emergency or condition beyond the control of the Columbia Shuswap Regional District including, but not limited to, unauthorized fires arising from spontaneous combustion or other causes, or detection of leachate on the property, the Columbia Shuswap Regional District shall take appropriate remedial action and notify the Director immediately. The Director may reduce or suspend operations to protect the environment until the authorized works has been restored, and/or corrective steps taken to prevent unauthorized discharges.</p>

Details/Findings:	<p>The authorized works were observed to be in good working order during the inspection. Mr. Walker stated that he conducts quarterly inspections of the contractors that operate the landfill and provided the 2018 inspections reports.</p> <p>Mr. Walker informed Ministry staff that he was not aware of any emergency conditions at the Site beyond the control of the CSRD.</p>
Compliance:	In
Requirement Description:	<p><b>2. DESIGN AND PERFORMANCE REQUIREMENTS, 2.4 Additional Facilities or Works</b></p> <p>2.4: The Director may require investigations, surveys, and the construction of additional facilities or works. The Director may also amend any information requirements of this Operational Certificate including plans, programs, assessments and reports.</p>
Details/Findings:	<p>Ministry staff found no requirements from the Director in the Ministry's internal electronic files for investigations, surveys, and the construction of additional facilities or works, nor were there any Director amendments to information requirements; therefore, this requirement was not applicable for the inspection period.</p>
Compliance:	Not Applicable
Requirement Description:	<p><b>2. DESIGN AND PERFORMANCE REQUIREMENTS, 2.5 Public Health, Safety and Nuisance</b></p> <p>2.5: The landfill shall be operated in a manner such that it will not create a public nuisance or become a significant threat to public health or safety with respect to landfill gas, unauthorized access, roads, traffic, airport activity, noise, dust, litter, vectors, or wildlife attraction.</p>
Details/Findings:	<p>Section 3.3 of the 2017 Annual Report states that litter issues were raised by a neighbouring property owner. The Ministry has also received complaints from the public regarding litter, dust, odors, and surface water runoff at the Site. Ministry staff made no determination regarding whether the landfill was operating in a manner such that it was not creating a public nuisance; however, the topics of the complaints are addressed in other portions of this inspection report.</p>
Compliance:	Not Determined

Requirement Description:	<p><b>2. DESIGN AND PERFORMANCE REQUIREMENTS, 2.6 Ground and Surface Water Quality Impairment</b></p> <p>2.6: The landfill shall be operated in a manner such that ground or surface water quality does not decrease beyond that specified by the British Columbia Water Quality Guidelines, or other appropriate criteria as may be specified by the Director, at or beyond the landfill property boundary. These measures include but are not limited to: a) Prohibiting the discharge of municipal solid waste into water. b) Ensuring that no new waste is landfilled within 1.2 m of the highest groundwater level. c) Ensuring that adequate surface water and groundwater diversion works are constructed and maintained to minimize surface water run-off and groundwater seepage from entering the landfill. d) Ensuring that the management systems for surface water that has not come in contact with waste are hydraulically separate from those for managing impacted surface water. e) Ensuring that the landfill is operated in a manner that prevents the exceedance in surface water and groundwater of anticipated leachate indicators or parameters distinctive of leachate or those specified by the Director at the landfill boundary. f) Ensuring that the indicators in e) above, at specified groundwater monitoring wells within the property boundary are in accordance with those predicted by design and that suitable measures are taken to address the cause of any exceedances above the trigger levels identified in the design. g) Ensuring that the landfill is operated in accordance with a Design &amp; Operations Plan which specifies measures to prevent decreases in groundwater and surface water quality at and beyond the property boundary. If exceedances to the specified water quality criteria occur as a result of landfill operations, the Director may require that leachate management control measures or works be undertaken. Terms of reference for any leachate management study and/or design work shall be submitted to the Director for review prior to conducting the work.</p>
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<p>Details/Findings:</p>	<p>Appendix C in each of the 2017 and 2018 Annual Reports presents ground and surface water quality data.</p> <p>a) An unnamed creek is located within 50 m to the west of the toe of the landfill and the Jordan River is located approximately 350 m south-southwest of the southern landfill boundary. No municipal solid waste was observed being discharged to these water bodies.</p> <p>b) The nearest groundwater well to Phase 1 of the landfill, where waste is actively being discharged, is MW06-05A, whose groundwater elevation since 2007 has been between approximately 450 and 455 metres above sea level (masl) (Figure 3, Appendix A of the 2018 Annual Report). Existing conditions as of 2018, outlined in Sheet C-1 of the 2019 DOCP, show that waste in Phase 1 of the landfill's progression is currently being discharge at an elevation between approximately 475 and 485 masl; therefore, no waste is being discharged within 1.2 m of the highest groundwater level.</p> <p>c) There are no surface water and groundwater diversion works constructed at the Site to minimize surface water run-off and groundwater seepage from entering the landfill. The 2007 DOP states that surface water diversion works were to be constructed at the completion of Phase 1 of the progressive fill plan, scheduled to occur in 2014, however, the progressive fill plan was not followed and no diversion works were constructed.</p> <p>d) There are no management systems for surface water that has not come in contact with waste to ensure it is hydraulically separate from those systems for managing impacted surface water.</p> <p>e) For groundwater, parameters that exceed guidelines at locations at the landfill boundaries are listed in Table 4a of Appendix B in each of the 2017 and 2018 Annual Reports. Section 6 of Appendix B in each of the 2017 and 2018 Annual Reports states that landfill leachate indicators at concentrations above water quality guidelines were identified at:</p> <ul style="list-style-type: none"> <li>- MW94-06 and MW94-08, along the down-gradient southern property boundary of the north site;</li> <li>- MW94-07, along the western edge of the landfill boundary of the north site; and</li> <li>- MW94-10 along the southern boundary of the south site.</li> </ul> <p>For surface water, which is sampled at or beyond the landfill boundaries, parameters that exceed guidelines are discussed in Section 4.3.2 and are listed in Table 4b of Appendix B in each of the 2017 and 2018 Annual Reports. Section 4.3.2 of Appendix B in each of the 2017 and 2018 Annual Reports states that landfill leachate indicators at concentrations above water quality guidelines were identified at SW8, SW10, SW11, SW12, and SW15.</p> <p>f) Groundwater at several monitoring wells within the property boundaries also exceeded water quality guidelines; however, the 2007 DOP does not specify which, and at what levels, indicators can exist by design within the Site boundaries, nor does it identify trigger levels at which intervention measures are required. Therefore, compliance could not be determined for item f.</p> <p>g) The 2007 DOP specifies that the primary methods of leachate management will be through proper surface water control, progressive closure, and potentially interim final closure, and that the landfill will rely on the processes of natural attenuation to deal with any leachate created at the Site. Surface water control was to be implemented in 2014 at the completion of Phase 1 of the progressive fill plan; however, the 2019 DOCP has delayed this work until the summer of 2021.</p>
<p>Compliance:</p>	<p>Out</p>



Actions to be taken:	<p>Ensure that adequate surface water and groundwater diversion works are constructed and maintained to minimize surface water run-off and groundwater seepage from entering the landfill.</p> <p>Regarding item e), ensure that the landfill is managed in a way that prevents the exceedance in surface water and groundwater of anticipated leachate indicators at the landfill boundary. If the CSRD anticipates not being unable to comply with preventing exceedances of surface and groundwater quality at the property boundary, the Ministry recommends contacting the Ministry's Authorizations team to discuss the matter.</p> <p>Enquiries to the Ministry's Authorization team can be made by completing the webform at the link below:</p> <p><a href="https://forms.gov.bc.ca/environment/wda-enquiry/">https://forms.gov.bc.ca/environment/wda-enquiry/</a></p>
Requirement Description:	<p><b>2. DESIGN AND PERFORMANCE REQUIREMENTS, 2.7 Landfill Gas Management</b></p> <p>2.7: The Landfill shall not cause combustible gas concentrations to exceed the lower explosive limit in soils at the property boundary or 25% of the lower explosive limit at or in on-site or off-site structures. The Operational Certificate holder shall ensure that the facility is in compliance with the requirements of the Landfill Gas Management Regulation under the Greenhouse Gas Reduction (Emissions Standards) Statutes Amendment Act, 2008 on or before applicable dates specified in the regulation. The requirements of the regulation and its guideline documents shall be incorporated by the Operational Certificate holder into the Design and Operation Plan revisions as they come into effect and as applicable.</p>
Details/Findings:	<p>The 2019 DOCP states that landfill gas monitoring is currently not conducted at the Site; therefore, compliance with the soil gas concentration requirements in Section 2.7 could not be determined.</p> <p>Ministry staff assessed the Site's compliance with the Landfill Gas Management Regulation (LFGMR) in a separate inspection, the results of which are discussed in inspection report 119082, dated March 7, 2019. Therefore, compliance with the LFGMR was not assessed as part of the current inspection.</p>
Compliance:	Not Determined
Actions to be taken:	Ensure that landfill gas monitoring resumes in accordance with the 2007 DOP until the landfill gas monitoring plan outlined in the 2019 DOCP is approved.
Requirement Description:	<p><b>2. DESIGN AND PERFORMANCE REQUIREMENTS, 2.8 Buffer Zone</b></p> <p>2.8: No material shall be landfilled within 50 metres of the property boundary.</p>

Details/Findings:	While the historical footprint of the landfill is within 50 m of the property boundary, Ministry staff did not measure the distance between the active face and the property boundary during the inspection to confirm that the 50 m buffer zone was being maintained; therefore, compliance with this requirement was not determined for the inspection period.
Compliance:	Not Determined
Actions to be taken:	Ensure that no new waste is discharged within 50 m of the buffer zone.
Requirement Description:	<b>3. OPERATIONAL REQUIREMENTS, 3.1 Waste Compaction and Coverage</b> 3.1: The Operational Certificate holder shall ensure that waste deposition and compaction meets or exceeds the requirements of the BC Landfill Criteria or its most current version for daily, intermediate and final cover. Control must be exercised to ensure keeping freshly deposited refuse in a well defined and small / manageable working face.
Details/Findings:	Ministry staff observed exposed waste on east (Photo 2) and west (Photo 3) slopes of the landfill, indicating insufficient intermediate cover was being applied. Insufficient intermediate cover was also evident by the excessive amount of litter observed at the Site. Therefore the CSRD is out of compliance with the requirement to meet or exceed the requirements of the BC Landfill Criteria or its most current version for daily, intermediate and final cover.  Ministry staff observed the working face to be small and manageable at the time of the inspection.
Compliance:	Out
Actions to be taken:	Ensure waste deposition and compaction meets the requirements of the most current version of the Landfill Criteria for Municipal Solid Waste for daily, intermediate and final cover.

Requirement Description:	<p><b>3. OPERATIONAL REQUIREMENTS, 3.2 Prohibited Wastes</b></p> <p>3.2: The disposal of the following types of wastes is strictly prohibited: (a) Hazardous Wastes other than those specifically approved for disposal to authorized landfills in the Hazardous Waste Regulation under the Environmental Management Act. (b) Biomedical wastes as defined in the Guidelines for the Management of Biomedical Wastes in Canada (Canadian Council of Ministers of the Environment, February 1992), (c) Bulk liquids and semi-solid wastes, which contain free liquids, as determined by US EPA Method 90954 Paint Filter Liquids Test, Test Methods for Evaluating Solid Wastes-Physical/Chemical Methods (EPA Publication No. Sw-846), (d) Release of ozone depleting substances from the storage, handling and disposal of used appliances, equipment, or any material containing ozone depleting substances is prohibited in accordance with the requirements of the Ozone Depleting Substances Regulation. Onsite removal or evacuation of Ozone Depleting Substances (ODS) from appliances and the subsequent storage of appliances on site is permitted subject to both activities being in compliance with the Ozone Depleting Substances Regulation.</p>
Details/Findings:	<p>Ministry staff made no observations during the inspection of hazardous waste being disposed of at the Site. Mr. Walker showed Ministry staff the area of the Site where the majority of household hazardous waste is collected for offsite disposal in partnership with Product Care Recycling, a not-for-profit industry organization that manages recycling programs in BC.</p> <p>Mr. Walker informed Ministry staff that biomedical waste and bulk liquids, as defined in items b and c above, are not accepted at the Site.</p> <p>Mr. Walker stated that ODSs are removed from appliances containing them by a contractor. Ministry staff observed appliances in the scrap metal pile at the Site that were marked with orange spray paint, which Mr. Walker indicated signified that the ODSs had been removed from them.</p>
Compliance:	In
Requirement Description:	<p><b>3. OPERATIONAL REQUIREMENTS, 3.3 Waste Asbestos</b></p> <p>3.3: Waste asbestos is authorized for disposal subject to compliance with the requirements of section 40 of the Hazardous Waste Regulation and the following conditions: (a) The asbestos waste may not be mixed with any other hazardous waste. (b) The Regional District must approve the disposal before disposal takes place. (c) All other applicable requirements of the Hazardous Waste Regulation, including but limited to manifesting and waste record keeping, must also be complied with.</p>
Details/Findings:	<p>Mr. Walker informed Ministry staff that waste asbestos is accepted and disposed of at the Site as follows:</p> <ul style="list-style-type: none"> <li>- submit an "Asbestos Disposal Application" form for CSRD approval.</li> <li>- the CSRD notifies the landfill operator of the asbestos material arrival.</li> <li>- Upon receiving the asbestos material, the landfill operator digs a hole at the toe of the active face and buries the material immediately.</li> </ul>

Compliance:	In
Requirement Description:	<p><b>3. OPERATIONAL REQUIREMENTS, 3.4 Contaminated Soil</b></p> <p>3.4: Soil that contains contaminants in concentrations less than "hazardous waste" as defined by the Hazardous Waste Regulation may be disposed of at the landfill site. Disposal includes monofilling, co-disposal with other wastes, use as a refuse cell berm material and use as a refuse cell cover material. Disposal does not include use as final cover material.</p>
Details/Findings:	<p>Mr. Walker informed Minsitry staff that the process of disposing contaminated soil at the Site is as follows:</p> <ul style="list-style-type: none"> <li>- submit a "Hydrocarbon Contaminated Soil Disposal Application " form for CSRD approval.</li> <li>- the CSRD notifies the landfill operator of the material arrival.</li> <li>- Upon receiving the soil, the landfill operator uses it as cover material.</li> </ul> <p>Mr. Walker further clarified that analytical results for the contaminated soil are required to be submitted with the application, that no contaminated soil is used for outside slope cover material, and that no soil that exceeds commercial land use standards is accepted at the Site.</p>
Compliance:	In
Requirement Description:	<p><b>3. OPERATIONAL REQUIREMENTS, 3.5 Wildlife and Vector Control</b></p> <p>3.5: Vectors (carriers capable of transmitting a pathogen from one organism to another including, but not limited to flies and other insects, rodents, and birds) shall be controlled by the application of cover material at the required frequency or by such additional methods as specified by the Director. Wildlife control fencing shall be maintained around the perimeter of the landfill site and shall be electrified for at least the active bear season of each year. This landfill shall be operated so as to minimize the attraction of wildlife such as bears and birds by applying cover at required frequencies and instituting a good housekeeping program.</p>
Details/Findings:	<p>Ministry staff observed a large number of birds at the Site during the inspection, in part due to the excessive litter and exposed waste at the landfill from insufficient intermediate cover; therefore, the CSRD was out of compliance with the requirement to implement sufficient vector controls.</p> <p>Ministry staff observed wildlife fencing around the entirety of the Site. While the electrification of the fencing was not verified at the time of the inspection by Ministry staff, Mr. Walker stated that a contractor visits the Site annually to maintain the electrified fencing in addition to the CSRD conducting its own internal inspections and testing of the fencing.</p>

Compliance:	Out
Actions to be taken:	Ensure that sufficient intermediate cover is applied such that waste is covered and litter is reduced to minimized the presence of vectors at the Site.
Requirement Description:	<p><b>3. OPERATIONAL REQUIREMENTS, 3.6 Site Access and Supervision</b></p> <p>3.6: A landfill operator that has received BC Qualified Landfill Operator training, is familiar with the requirements of the Operational Certificate and the specifications of the Design and Operations Plan, shall be present at all times during operating hours. Locking gates shall be maintained at all access routes to the landfill site. Gates, perimeter fencing and/or barriers shall be installed where necessary to prevent unauthorized access to the site by vehicles. Gates shall be locked during non-operating hours.</p>
Details/Findings:	<p>Mr. Walker informed Ministry staff that the supervisor of the contracting company operating the landfill is certified as a landfill operator and has undergone the BC Qualified Landfill Operator training. However, Mr. Walker stated that the supervisor is not present at the Site at all times during operating hours and that it was not uncommon for the contractor's machine operators, who are not certified as a landfill operator and have not undergone the BC Qualified Landfill Operator training, to be the only personnel on-site. Therefore, the CSRD is out of compliance with this requirement.</p> <p>Ministry staff observed that the Site's access points are restricted by locking gates, which Mr. Walker stated were closed and locked during non-operating hours.</p>
Compliance:	Out
Actions to be taken:	Ensure that a landfill operator who has received BC Qualified Landfill Operator training and is familiar with the requirements of the OC and the specifications of the Design and Operations Plan is present at all times during operating hours.
Requirement Description:	<p><b>3. OPERATIONAL REQUIREMENTS, 3.7 Dust Control</b></p> <p>3.7: Dust created within the landfill property shall be controlled, using methods and materials acceptable to the Director, such that it does not cause a public nuisance.</p>
Details/Findings:	Ministry staff made no observations of fugitive dust during the inspection. Mr. Walker informed Ministry staff that water trucks apply water to the gravel roads once or twice per year on hot and dusty days as a dust control measure.

Compliance:	In
Requirement Description:	<p><b>3. OPERATIONAL REQUIREMENTS, 3.8 Litter Control</b></p> <p>3.8: The best practical means shall be used to prevent the scatter of litter. Any litter scattered into the neighbouring property, along access roads, in drainage ditches, along litter-control fences, into surrounding trees or elsewhere on the landfill site shall be cleaned up. The frequency of clean up and other additional requirements for refuse scatter control shall be determined by the Director.</p>
Details/Findings:	<p>Ministry staff observed excessive litter present at and around the landfill (Photo 1). Mr. Walker stated that the contractor does conduct litter pick-up; however, it was evident during the inspection that litter pick-ups were not being conducted at a sufficient frequency. Although the 2017 Annual Report states that litter control fencing was scheduled to be installed in 2018, no fencing was observed at the time of the inspection. Mr. Walker stated that litter control fencing is scheduled to be installed either this year or next year at the Site.</p>
Compliance:	Out
Actions to be taken:	<p>Ensure that additional litter control measures are implemented at the Site that may include, but are not limited to, the application of sufficient intermediate cover, litter control fencing, or, if necessary, more frequent litter pickups.</p>
Requirement Description:	<p><b>3. OPERATIONAL REQUIREMENTS, 3.9 Waste Reduction and Alternate Disposal</b></p> <p>3.9: The Provincial Government has developed policies to promote the reduction, reuse and recycling of wastes. The Operational Certificate holder is encouraged to segregate for recycling and reuse, where possible, materials destined for disposal at this site. Public scavenging shall not be permitted at the landfill. The controlled salvaging of waste by the landfill operator or persons authorized by the Operational Certificate holder is encouraged if areas or facilities for separation and storage of recyclable or reusable materials are provided. In certain landfill environments, some construction and demolition debris or other wastes may create specific air and water quality concerns. If problems arise at this site that are attributable to specific wastes, the Director may require that alternate disposal/storage procedures be implemented.</p>
Details/Findings:	<p>Ministry staff observed the areas of the Site where waste was being segregated for recycling, reuse, and general diversion. Diverted materials included yard waste, cardboard, household hazardous materials, scrap metal, roofing shingles, propane tanks, and mattresses. A designated area for controlled salvaging was also present.</p>

Compliance:	In
Requirement Description:	<p><b>3. OPERATIONAL REQUIREMENTS, 3.10 Operations and Maintenance Manual</b></p> <p>3.10: The Operational Certificate holder shall prepare an Operations and Maintenance Manual to be reviewed and updated as necessary on at least an annual basis.</p>
Details/Findings:	<p>Mr. Walker provided two documents to Ministry staff:</p> <p>1) Scaled Refuse Op Manual - an 80 page document created in 2018 that covers operations at the south portion of the site where the waste diversion areas are located. The document outlines operations and procedures for the site, including but not limited to hours of operations, fees, employee conduct and safety, access/opening/closure procedures, emergency procedures, prohibited materials, hazard identification, salvaging, scale maintenance, waste diversion procedures, scale operation and software instructions.</p> <p>2) C&amp;C Contract Language - a five page portion of the contract provided to contractors that operate the landfilling operations located at the north portion of the Site. The document provides guidance to the contractor regarding waste cell and active face design, waste compaction, waste types, cover material, road maintenance, special waste, and alternative daily cover.</p> <p>Mr. Walker informed Ministry staff that the documents are not reviewed and updated as necessary on at least an annual basis.</p>
Compliance:	Out
Actions to be taken:	<p>Ensure that the two documents are reviewed and updated as necessary on at least an annual basis. The Ministry recommends maintaining a tracking sheet to document the reviews and outline and track updates and changes to the documents.</p>

Requirement Description:	<p><b>4. MONITORING AND REPORTING REQUIREMENTS, 4.1 Landfill Monitoring</b></p> <p>4.1: A monitoring program shall be developed by a Qualified Professional and identify potential environmental impacts of the authorized facility and shall address but not be limited to the Landfill Criteria for Municipal Solid Waste and Guidelines for Environmental Monitoring. The monitoring program shall be submitted to the satisfaction of the Director. Monitoring must be conducted in accordance with the monitoring program. The program must be designed to assess and identify: - The design performance of the landfill as per the Design &amp; Operations Plan including but not limited to compliance with water quality performance standards at the landfill boundary. - Landfill leachate as a contaminant source. - Residential well water quality. - Surface water quality. The monitoring program shall address, but not be limited to relevant sections of the Landfill Criteria for Municipal Solid Waste and the Guidelines for Environmental Monitoring at Municipal Solid Waste Landfills. The Environmental Monitoring Program must take into consideration results from previous monitoring programs and any other investigations conducted at the site to ensure that early detection of potential impacts is possible.</p>
Details/Findings:	<p>The environmental monitoring plan (EMP) that the Site was operating under during the inspection period is presented in Section 10 of the 2007 DOP. An updated EMP is presented Section 12.1 of the 2019 DOCP, which, upon approval from the Director, the Site will adhere to in the future.</p> <p>As part of the current inspection, an assessment was not completed to determine if the 2007 DOP EMP addresses the relevant sections of the Landfill Criteria for Municipal Solid Waste and the Guidelines for Environmental Monitoring at Municipal Solid Waste Landfills.</p>
Compliance:	Not Determined
Requirement Description:	<p><b>4. MONITORING AND REPORTING REQUIREMENTS, 4.2 Sampling Techniques</b></p> <p>4.2: Sampling shall be carried out in accordance with the procedures described in the most recent edition of the "British Columbia Field Sampling Manual for Continuous Monitoring Plus the Collection of Air, Air-Emission, Water, Wastewater, Soil, Sediment, and Biological Samples", or by suitable alternative procedures as authorized by the Director. A copy of the above manual may be purchased from the Queens Printer Publications Centre, P.O. Box 9452, Stn. Prov. Govt., Victoria, British Columbia, V8W 9V7</p>
Details/Findings:	<p>Sampling procedures are discussed in Section 3.2 of Appendix B of the 2017 Annual Report and Section 3.2 of Appendix A of the 2018 Annual Report. The reports state that sampling protocol followed the second edition (draft) of the "Landfill Criteria for Municipal Solid Waste" (MoE 2013), "British Columbia Field Sampling Manual for Continuous Monitoring plus the Collection for, Air-Emission, Water, Wastewater, Soil, Sediment, and Biological Samples" (MoE 2013).</p>



Compliance:	In
Requirement Description:	<p><b>4. MONITORING AND REPORTING REQUIREMENTS, 4.3 Analysis</b></p> <p>4.3: Analyses are to be carried out in accordance with procedures described in the most recent edition of the "British Columbia Environmental Laboratory Manual for the Analysis of Water, Wastewater, Sediment and Biological Materials", or by suitable alternative procedures as authorized by the Director. A copy of the above manual may be purchased from the Queens Printer Publication Centre, P.O. Box 9452, Stn. Prov. Govt., Victoria, British Columbia, V8W 9V7 (1-800-663-6105 or (250) 387-6409).</p>
Details/Findings:	<p>Water quality analysis during the inspection period was completed by Caro Analytical Services (CARO). CARO is accredited by the Canadian Association for Laboratories Accreditation.</p> <p>An assessment of the lab analyses was not conducted as part of the current inspection.</p>
Compliance:	Not Determined
Requirement Description:	<p><b>4. MONITORING AND REPORTING REQUIREMENTS, 4.4 Quality Assurance</b></p> <p>4.4: The Operational Certificate holder shall produce, within 60 days on the request of the Regional Manager Environmental Protection, „Field and Laboratory Quality Protocols and Quality Assurance Criteria acceptable to the Director. The „Laboratory Quality Protocols shall include the procedures used to assess precision, accuracy and blank quality, including frequency of application of those procedures, the procedures for sampling, handling (e.g. preservation, hold times) and corrective measures to be initiated when deficiencies are indicated. The „Quality Assurance Criteria shall include the acceptance criteria for accuracy (based on recoveries for reference samples/spikes), for precision (based on deviation in field and lab duplicates) and method blanks (designed to indicate false positives).</p>
Details/Findings:	<p>The Director has not requested that the CSRD produce Field and Laboratory Quality Protocols and Quality Assurance Criteria for the current inspection; therefore, compliance with this requirement was not applicable.</p>
Compliance:	Not Applicable

Requirement Description:	<p><b>5. LANDFILL REPORTING, 5.1 Annual Reporting</b></p> <p>5.1: The Operation Certificate Holder shall submit an Annual Report to the Director on or before April 30th each year for the previous calendar year. The report shall contain at least the following information: (a) an executive summary; (b) the type and tonnage of waste received, recycled, stored on-site and discharged / landfilled for the year; (c) Any proposed changes to the Design and Operations Plan and the environmental monitoring program (EMP), with rationale for the changes; a description of unanticipated occurrences and any changes to the closure or post-closure plans and funds; (d) A review of the preceding year of operation or an operations update which summarizes landfill development work completed in the subject reporting year and work planned for the subsequent year. A summary of any new information or changes to the facilities and plans, assessments, surveys, programs and reports; (e) Occurrences or observations of wildlife (medium and large carnivores) at the facility; (f) A statement regarding the facility's progress in reducing the regional solid waste stream being landfilled and the objectives of the Regional Solid Waste Management Plan; (g) An outline of the current Environmental Monitoring Program and a compendium of all environmental monitoring data in accordance with requirements specified in the most recent version of Guidelines for Environmental Monitoring at Municipal Solid Waste Landfills and Landfill Criteria for Municipal Solid Waste. The annual report must document any effect of the discharge on the quality of the receiving environment using appropriate statistical and graphical analysis. Trend analyses, as well as an evaluation of the impacts of the discharges on the receiving environment must be included; (h) A list of training programs completed for landfill operators during the previous year; and (i) Any additional information requested by the Director. All reports must be submitted, suitably formatted and tabulated in both print and electronic format (portable document format).</p>
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<p>Details/Findings:</p>	<p>The 2017 Annual Report was submitted on May 2, 2018, and the 2018 Annual Report was submitted on April 30, 2018.</p> <p>Ministry staff determined the 2017 Annual Report was out of compliance with reporting requirements as follows:</p> <ul style="list-style-type: none"> <li>- the report was submitted after April 30.</li> <li>(a) An executive summary was not included.</li> <li>(c) There was no discussion regarding whether there were proposed changes to the DOCP or EMP, or whether there were unanticipated occurrences or changes to closure or post-closure plans and funds.</li> <li>(d) Section 3.3, titled "Accomplishments and Inspections in 2017" discussed contractor inspections, litter complaints, and the purchase of new alternative daily cover plates. The landfill development work completed in 2017 was not discussed in the report. Section 3.6 discusses several activities that were anticipated for 2018. There was no summary of any new information or changes to the facilities and plans, assessments, surveys, programs and reports.</li> <li>(e) Section 3.4 of the report, titled "Wildlife Occurrences" states that there was evidence of bears at the Site but does not provide details of the occurrences.</li> </ul> <p>Ministry staff determined the 2018 Annual Report was out of compliance with reporting requirements as follows:</p> <ul style="list-style-type: none"> <li>(a) Section (a) of the 2018 Annual Report is titled "Executive Summary"; however, the only portion of the report that the section summarizes amount of waste accepted at the Site. The remainder of the section provides site information and describes the scope of the EMP.</li> <li>(c) Section (c) of the 2018 Annual Report states that a new DOCP was developed in 2018 and changes to the closure plan and surface water management practices are alluded to but are not discussed or provided. There was no description of unanticipated occurrences or changes to closure or post-closure plans and funds.</li> <li>(d) Section (d) discusses the change in operational procedure regarding the abandonment of separation and recycling efforts for gypsum drywall. This section also discusses a waste characterization study and contractor inspections. The landfill development work completed in 2018 was not discussed in the report. Plans to build an organic composting facility in 2019 are stated. There was no summary of any new information or changes to the facilities and plans, assessments, surveys, programs and reports.</li> </ul>
<p>Compliance:</p>	<p>Out</p>

<p>Actions to be taken:</p>	<p>Item (a): Ensure that the executive summary provides summaries of the sections outlined in Section 5.1 of the Permit</p> <p>Item (c): Ensure that annual reports include and discuss in detail proposed changes to the DOCP and EMP, as well as a description of unanticipated occurrences and any changes to the closure or post closure plans and funds.</p> <p>Item (d): Ensure that the review of the preceding year of operations or the operations update summarizes the landfill development work completed in the subject reporting year. At a minimum, ensure the fill progression is discussed. Also ensure that a summary of any new information or changes to the facilities and plans assessments, surveys, programs, and reports is discussed in the report, even if only to indicate that no new information or changes occurred with respect to these items.</p> <p>Item (f): Ensure that if wildlife occurrences are observed at the site, they are noted, logged, and outlined in the annual report.</p>
<p>Requirement Description:</p>	<p><b>5. LANDFILL REPORTING, 5.2 Five Year Report</b></p> <p>5.2: The Operation Certificate Holder shall submit a Five Year Report to the Director on or before April 30th on the five year anniversary of the last submission. The report shall contain at least the following information: (a) An executive summary; (b) An updated Design and Operations Plan; (c) A detailed hydrogeological assessment; (d) The type and tonnage of waste received, recycled, stored on-site and discharged / landfilled for the year; (e) A current topographic map detailing airspace consumption, on-site borrow pit changes and future developments; (f) Volume and density analysis or an in-place material summary, updated estimates for the remaining capacity, site life, revised closure date (for the current phase or sequence and revised closure date for the current landfill footprint; (g) An outline of the current Environmental Monitoring Program and a compendium of all environmental monitoring data in accordance with requirements specified in the most recent version of Guidelines for Environmental Monitoring at Municipal Solid Waste Landfills and Landfill Criteria for Municipal Solid Waste. The annual report must document any effect of the discharge on the quality of the receiving environment using appropriate statistical and graphical analysis. Trend analyses, as well as an evaluation of the impacts of the discharges on the receiving environment must be included; (h) An update on the financial assurance mechanism including a statement of the current dollar value of the Closure Fund and the amount earmarked for the Landfill site; and (i) Any additional information requested by the Director.</p>
<p>Details/Findings:</p>	<p>There are no reports in the Ministry's internal files identified as a "Five Year Report"; however, the information provided in the 2018 Annual Report as well as the 2019 DOCP contains the information outlined in Section 5.2 of the Permit, with the exception of:</p> <ul style="list-style-type: none"> <li>- Item (c): a detailed hydrogeological assessment - while the 2019 DOCP summarizes hydrogeological work completed at the Site, it does not constitute a detailed assessment.</li> <li>- Item (h): update on the financial assurance mechanism - Appendix F of the 2019 DOCP calculates projected closure and post-closure costs for the landfill and provides a landfill liability value of \$7,637,312. An assurance mechanism including a statement of the current dollar value of the Closure Fund and the amount earmarked for the Revelstoke Landfill is not provided.</li> </ul>

Compliance:	Out
Actions to be taken:	<p>Ensure the CSRD submits a five year report as soon as possible that includes:</p> <ul style="list-style-type: none"> <li>- the information outlined in items (c) and (h)</li> <li>- the 2019 DOCP</li> <li>- the 2018 Annual Report (which includes several of the required items listed in Section 5.2)</li> </ul> <p>Ensure the next five year report is submitted on the 5 year anniversary of this submission.</p>
Requirement Description:	<p><b>6. LANDFILL CLOSURE PLAN, 6.1 Closure Plan and Post Closure</b></p> <p>6.1: The Operational Certificate holder shall perform closure and post-closure care in accordance with all applicable requirements of the BC Landfill Criteria for Municipal Solid Waste. This Operational Certificate is issued on the condition that a Closure Plan and Final Cover Design that meets or exceeds the requirements of the criteria will be submitted to the Director during the operating life of the landfill. The Closure Plan shall be reviewed every five years throughout the operating life of the landfill. A certification by a Qualified Professional attesting that all closure works have been completed in accordance with the Closure Plan and Final Cover Design is to be submitted to the Director no later than 60 days after the implementation of the Final Cover Design. The Operational Certificate Holder shall submit a Post Closure or Aftercare Plan to the Ministry at least one year prior to the anticipated closure date of the landfill.</p>
Details/Findings:	<p>The following requirements outlined in this section were not applicable for the inspection period because closure of Phase 1 of the landfill's progressive closure phased approach is not scheduled until the summer of 2021:</p> <ul style="list-style-type: none"> <li>- the requirement to perform closure and post-closure care</li> <li>- the requirement for a certified QP to attest closure was conducted in accordance with the closure plan</li> <li>- the requirement to submit a post closure or aftercare plan at least one year prior to the anticipated closure date of the landfill</li> </ul> <p>The requirement to submit a closure plan to the Director during the operating life of the landfill was satisfied in 2007 with the submission of the closure plan included in the 2007 DOP; however, following the 2007 DOP, the closure plan was not reviewed and updated until 2019, in the 2019 DOCP. Therefore, the CSRD is out of compliance with the requirement to review the closure plan once every five years.</p>
Compliance:	Out
Actions to be taken:	Ensure the closure plan is reviewed and updated every five years.

Requirement Description:	<p><b>6. LANDFILL CLOSURE PLAN, 6.2 Closure Fund</b></p> <p>6.2: The Operational Certificate holder shall provide for the funding of progressive closure operations, final closure and operations beyond closure by maintaining a closure fund. The value of the closure fund shall meet or exceed the estimated closure and post-closure costs as established in the approved Design and Operations Plan and updated in the annual report, plus a reasonable contingency for any remediation which may be required. Reported costs must be adjusted for inflation annually. Alternately, a closure and post-closure financial security acceptable to the Director may be built over time. The Operational Certificate holder shall determine and ensure that the closure fund is adequate by preparing annually a financial statement of the fund which shall be made available to the Director upon request. The financial statement shall report the accrued capital, interest and additions to the fund for the previous year and review the sufficiency of the fund and the rate of accrual in consideration of the projected costs of closure and post-closure obligations.</p>
Details/Findings:	<p>Appendix F of the 2019 DOCP calculates the total liability of the landfill to be \$7,637,312. Appendix A of the 2017 Annual Report states that reserve funds totaling \$1,375,965 have been established to provide for the liability of the Landfill Closure Special Reserve Fund, which also covers the Salmon Arm, Golden, and Sicamous landfills. Therefore, the CSRD is out of compliance with the requirement that the value of the closure fund meets or exceeds the estimated closure and post closure costs established in the DOCP.</p> <p>The Director has not requested a financial statement from the CSRD. Up until the 2018 Annual Report, a financial statement was provided in the annual reports assessing closure reserves, future closure projects, and landfill capacity to ensure adequate reserve funds are available for planned closure work.</p>
Compliance:	Out
Actions to be taken:	<p>Ensure that adequate funds are available for the progressive closure phased approach that is planned at the Site are available.</p> <p>Ensure the estimated closure and post-closure costs are updated and included in the 2019 Annual Report</p>
Requirement Description:	<p><b>ENVIRONMENTAL MANAGEMENT ACT</b></p> <p>25(2)(b): Despite any other Act, a person must manage municipal solid waste and recyclable material at a site in accordance with (b) any requirements or conditions that a director includes in an operational certificate or permit issued for the site, and</p>

Details/Findings:	<p>The Site provides solid waste disposal and residual processing services to residents, businesses, and institutions located within the municipality of Revelstoke and the surrounding area, Electoral Area B, and from a transfer station in Trout Lake. The 2018 Annual Report states that the Site managed approximately 16,389 tonnes of refuse and recoverable waste, of which 8,396 tonnes was landfilled.</p> <p>Ministry staff determined that the CSRD was out of compliance with the following sections of the OC:</p> <ul style="list-style-type: none"> <li>- Section 2.1</li> <li>- Section 2.6</li> <li>- Section 3.1</li> <li>- Section 3.5</li> <li>- Section 3.6</li> <li>- Section 3.8</li> <li>- Section 3.10</li> <li>- Section 5.1</li> <li>- Section 5.2</li> <li>- Section 6.1</li> <li>- Section 6.2</li> </ul>
Compliance:	Out

The Ministry of Environment Compliance and Enforcement Policy and Procedure (C&E Policy) prescribes common requirements and procedures for all Ministry staff to ensure consistent and riskbased assessment and response to non compliance. Using the Non-Compliance Decision Matrix, the compliance determination for this inspection has been assessed as a Level 2, Category B.

Compliance History:2012-10-19: IR 6621, Notice of Non-Compliance - failure to clean up litter.

More information about Environmental Compliance, the Non-Compliance Decision Matrix, and reporting and data submission requirements can be found at the links below:

General compliance information:

[www.gov.bc.ca/environmentalcompliance](http://www.gov.bc.ca/environmentalcompliance)

Non-Compliance Decision Matrix information:

[www.gov.bc.ca/environment/how-compliance-is-assessed](http://www.gov.bc.ca/environment/how-compliance-is-assessed)

Reporting and data submission requirements (to be sent to EnvAuthorizationsReporting@gov.bc.ca):

[www.gov.bc.ca/submit-waste-authorization-reports](http://www.gov.bc.ca/submit-waste-authorization-reports)

Please be advised that this inspection report may be published on the provincial government website within 7 days.

If you have any questions about this warning, please contact the undersigned.

Yours truly,

Keith Connolly  
Environmental Protection Officer

cc: COS.WestKootenay.Zone@gov.bc.ca

**Attachments:**

Attachment 1: Site Inspection Photo Record

**Deliver via:**

Email:  Fax:  Mail:   
Registered Mail:  Hand Delivery:

**Ministry of Environment  
and Climate Change  
Strategy**

Compliance  
Environmental  
Protection Division

Mailing Address:  
1259 Dalhousie Dr  
Kamloops BC V2C 5Z5

Telephone: 250 371 6200  
Facsimile: 250 371 6234  
Website: [www.gov.bc.ca/env](http://www.gov.bc.ca/env)

**DISCLAIMER:**

Please note that sections of the permit, regulation or code of practice referenced in this inspection record are for guidance and are not the official version. Please refer to the original permit, regulation or code of practice.

To see the most up to date version of the regulations and codes of practices please visit

<http://www.bclaws.ca>

If you require a copy of the original permit, please contact the inspector noted on this inspection record.

It is also important to note that this inspection record does not necessarily reflect each requirement or condition of the authorization therefore compliance is noted only for the requirements or conditions listed in the inspection record.





## Attachment 1: Site Inspection Photo Record

# Attachment 1: Site Inspection Photo Record

Authorization #: 15821

Authorization Holder: Columbia Shuswap Regional District

Inspection Record #: 130681

Onsite Inspection Date: June 11, 2019

Photo 1

Litter on the east side slope of the landfill.



Photo 2

Exposed waste on the east side slope of the landfill.



# Attachment 1: Site Inspection Photo Record

Authorization #: 15821

Authorization Holder: Columbia Shuswap Regional District

Inspection Record #: 130681

Onsite Inspection Date: June 11, 2019

Photo 3

Litter on the west side slope of the landfill.

