



# Ministry of Environment

## Information Sheet

on

### Cobble Hill Holdings/ South Island Aggregates

## Summary of Permit 105809

This Information Sheet provides a summary of the environmental protection requirements included in *Environmental Management Act* Permit 105809 issued to Cobble Hill Holdings Ltd. The permit allows Cobble Hill Holdings Ltd. to accept contaminated soil and process it through bioremediation or landfilling into an engineered landfill facility, as well as discharge treated effluent to an ephemeral stream. The permit was most recently amended by Ministry of Environment (MOE) on June 4, 2015 to incorporate additional requirements as directed by the Environmental Appeal Board.



#### What materials can be accepted?

- Contaminated soils and ash

#### What materials cannot be accepted?

- Hazardous waste, liquids, and putrescible waste (e.g. food waste)

#### What environmental protection facilities are required?

- Soil Management Area
  - Asphalt paved and lined with leachate collection and leak detection
  - Covering the soil from November to April when soil pile is not actively worked on
  - Permanent roof installed by Spring 2016
- Wheel Rinsing Station
  - Before soil transport vehicles leave the site, the wheels must be rinsed to remove all soil and waste
- Engineered Landfill
  - Lined landfill cells with leachate collection and leak detection
  - Reuse of landfill cell liners prohibited
- Water Treatment System
  - To treat leachate from the soil management area and the landfill
- Settling Pond
  - Receive treated water from the water treatment system, and stormwater runoff from the site

#### What are the discharge requirements?

- Hazardous waste, liquids and putrescible waste must not be accepted or discharged
- Only contaminated soils and ash may be deposited in the landfill
- Water leaving the water treatment system and settling pond must meet specified water quality guidelines

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For copies of reports and more information: [http://www.env.gov.bc.ca/epd/regions/vanc\\_island/env-mgt/](http://www.env.gov.bc.ca/epd/regions/vanc_island/env-mgt/)

## What sampling and monitoring is required?

- Contaminated soils and ash
  - Characterization, sampling, analyses and inspection, as per the Soil Acceptance Plan
- Water Treatment System and Settling Pond discharge
  - Flow measurement and monthly monitoring of water quality
- Groundwater Quality
  - Seven groundwater sampling facilities (up-gradient and down-gradient; monitored quarterly)
- Surface Water Quality
  - Ephemeral Creek (upstream and downstream; twice per year)
  - Shawnigan Creek (upstream and downstream; twice per year)
- Air Quality (monthly between April and November)

## What plans and reports are required?

- Environmental Procedures Manual which includes:
  - Soil Acceptance Plan
  - Operation, inspection and maintenance information
  - Water Management Plan
  - Environmental Monitoring Plan
  - Emergency Response Plan
- Records of construction, maintenance, inspections, waste volumes, characteristics and analyses
- Environmental Quarterly Reports
- Environmental Annual Reports
- Non-Compliance Reporting
- Closure Plan
  - Investigations of soil, sediments, surface water and groundwater quality and treatment, identification and assessment of any residual contamination
  - If any residual contamination is identified the permittee will be required to remediate the site
  - Must be reviewed at least every 5 years
- Cost Estimate and Financial Security
  - Cost estimate (based on Closure Plan) for maintenance, monitoring, remediation and closure of the landfill for the active life and a minimum 25 year post-closure period, must be prepared or reviewed by a suitably qualified independent third party and updated at least every 5 years
  - Financial Security (informed by cost estimate) must be provided and may be applied to correct any inadequacy of the works, to correct any non-compliance, or for remediation

## Who else is involved?

- Qualified Professionals
  - Registered with a professional association and subject to a code of ethics and disciplinary action
  - Must certify all facilities and information including works, plans, sampling, monitoring and reports
- Advisory Committee
  - Representation from regulatory agencies, local government, and the community
  - Meets annually and provides advice with regard to monitoring, sampling and reporting