

FrontCounter BC Referral Brenda Renewables Project (CL-22-02)

Regional District of Central Okanagan Board Meeting

April 14, 2022

1450 K.L.O. Road
Kelowna, BC, V1W 3Z4
rdco.com



Purpose

- To consider a FrontCounter BC referral for:
 - 1) An Industrial General Land Lease of up to 30 years
 - 2) A Mines Act M-12 Permit Amendment
- Applicant – Glencore Canada Corporation



History of Brenda Mine

- Mine operation: 1969-1990
- Detailed closure/reclamation planning: 1988-1993
- Initial closure/reclamation activities: 1990-1997
- Ongoing monitoring and maintenance: 1990-present
- Operation of Water treatment plant

Proposal

- An Industrial General Land Lease of up to 30 years to construct and operate an Organic Waste Recycling Facility
- A Mines Act M-12 Permit Amendment to:
 - Enable the proposed lease area to be removed from the M-12 permitted mine area for the duration of the Industrial General Lease
 - Allow the use of Class A compost material for reclamation of the Brenda Mine site

4-2

Legend



Proposed Crown Land Lease



Existing Mine Claims and Leases Boundary

Proposed Crown Land Lease area



Site Entrance Road

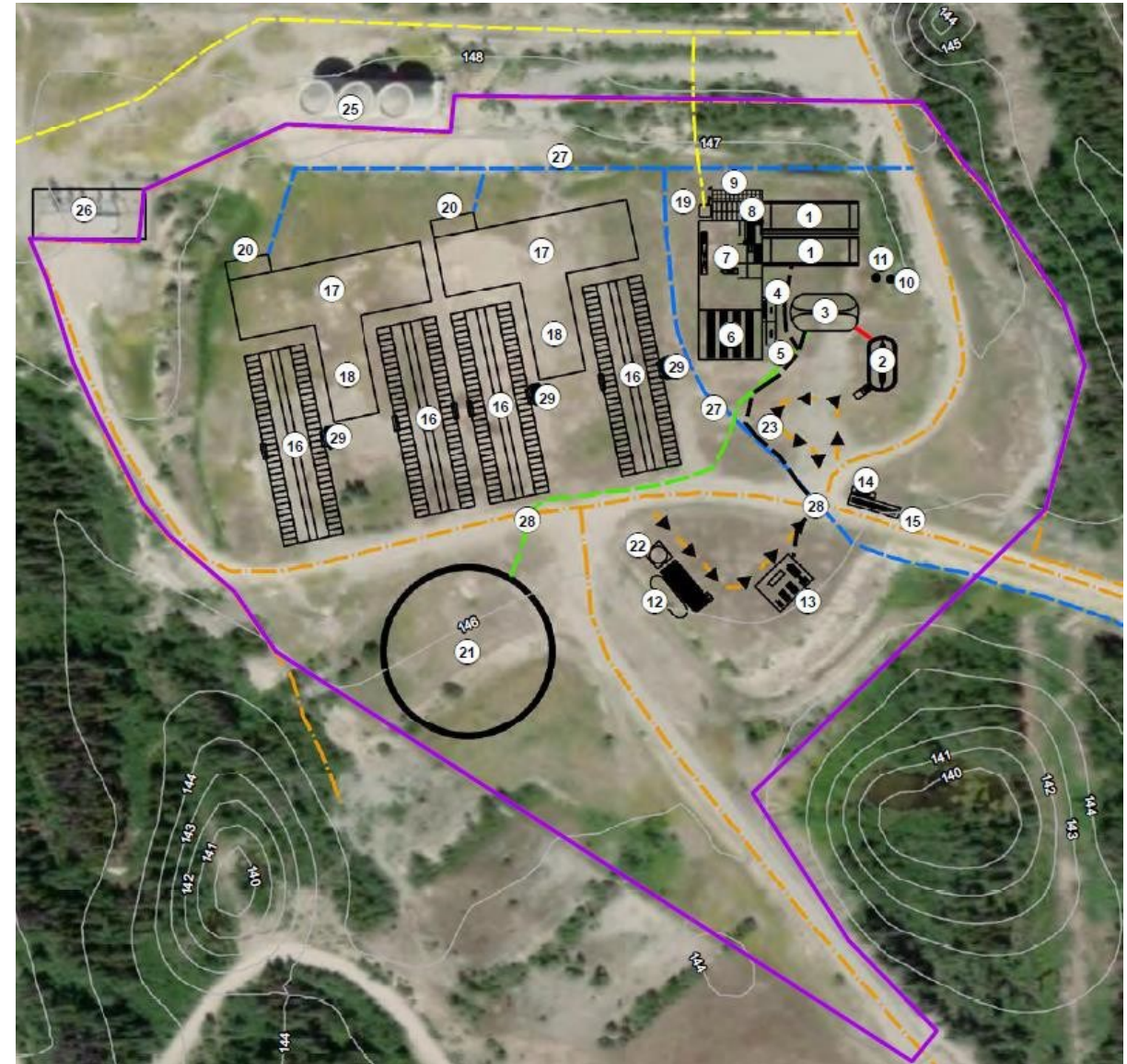
Proposed Lease Area

Water Treatment Plant



Proposed Site Plan

- Approx. 13.32 ha area
- To be constructed in three phases:
 1. Compost facility
 2. Anerobic digester and expansion of compost operation
 3. High solids anaerobic digester
- Supporting infrastructure will be required to operate the facility



Project Details

- Proposed system was designed to ensure odour, noise, and liquid discharge emissions will not exceed regulated levels
- Up to 90% of waste input is expected to come from a 100km radius of the site
- Future construction phases plan to include capture of natural biogas for distribution in the local energy system

Applicant Rationale

■ Provide environmental benefits:

- Divert local organic waste from landfills and converted into products for local use (compost and energy)
- Compost production to progress revegetation of the site

■ Supports the Clean BC Plan:

- Support waste management by growing opportunities to capture biogas and turn waste into a valuable resource
- Assist with high cost of transporting and recycling waste
- Support a circular economy

Regional Board Strategic Priorities

Environment: We will initiate and support efforts to reduce our environmental footprint, adapt to climate change and connect with nature

- **Specific actions include:**

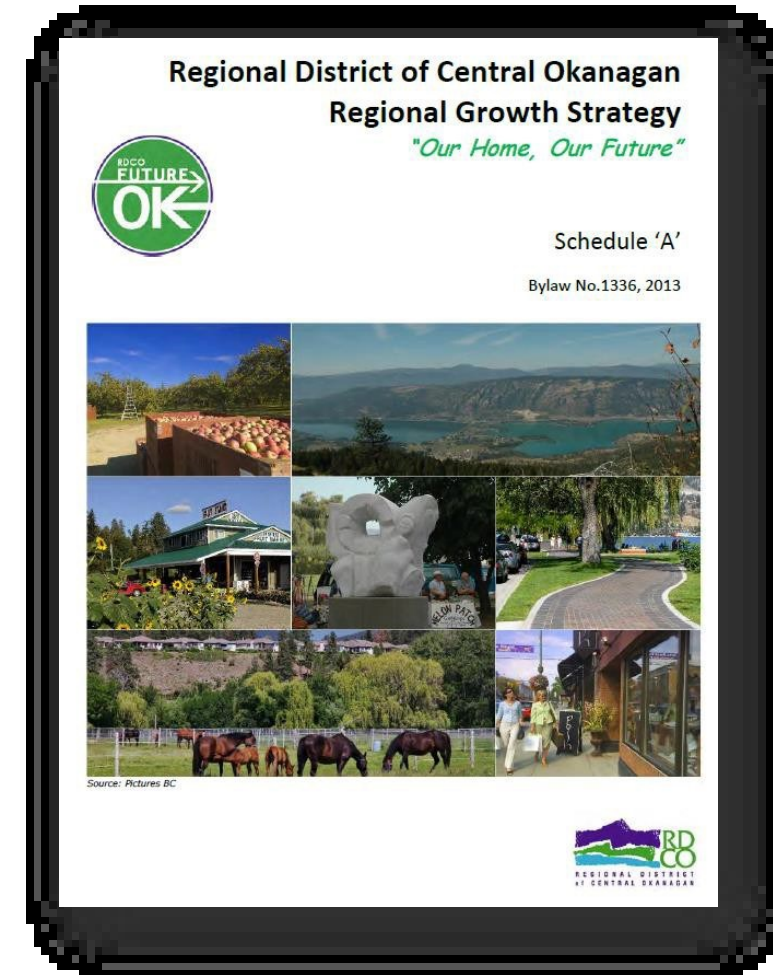
- Work with partners and other levels of government to manage our solid waste
- Explore waste-to-energy opportunities

- **Through these actions we will see:**

- A reduction in per capita waste generation

Regional Growth Strategy Policies

- Referral application meets the RGS
- Addresses regional issues related to Land and Climate



Regional Solid Waste Management Plan

- Re-evaluate organic waste diversion opportunities
 - Investigate what additional organics diversion options are feasible in RDCO in the future

RDCO Engineering Services

- Provided Letter of Interest
- Proposal aligns with the RDCO's Strategic Priorities and Solid Waste Management Plan
- Supports development of alternative organic projects
- Regional waste should receive priority

Solid Waste Technical Advisory Committee

- Feasibility study
- Pilot project
- Community engagement
- Regional Board consideration

District of Peachland

- The facility will allow a more viable option to manage biosolids and compostable waste streams
- Concerns with out-of-region contracts
- Concerns with potential impact on surrounding watersheds

Interior Health Authority

- Not enough information provided about Class A biosolids
- Proximity of the site to a permitted drinking water system raises public health concerns
- Request early engagement for land activities to assess potential public health concerns

Ministry of Transportation and Infrastructure

- No concerns with the organic waste processing facility

Summary

- Referral application is proposing an Organic Waste Recycling Facility referred to as the Brenda Renewables Project
- Proposal meets the Board's Strategic Priorities, Regional Growth Strategy, and Solid Waste Management Plan
- The Province has jurisdiction over Crown Land referrals and is the decision-making authority for the application

Recommendation

THAT the Regional Board support the Glencore Canada Corporation FrontCounter BC referral application No. 574526 for the issuance of an Industrial General Land Lease for up to 30 years and a Mines Act M-12 Permit amendment for the 'Brenda Renewables Project', subject to completion of the following prior to issuance of, or included as conditions of approval:

- An Organic Waste Compost Facility Feasibility Study for the proposed subject property;
- A service-appropriate pilot project for the proposed catchment areas in the Central Okanagan region;
- Public engagement with the community; and
- Any proposed construction, repair, and/or maintenance of the site that falls within the scope of the B.C. Building Code requires a building permit from the Regional District of Central Okanagan.

