



The Regional Biosolids Composting Facility produces a Class A compost marketed as a soil amendment under the name OgoGrow.

BIOSOLIDS MANAGEMENT STRATEGIC REVIEW

Client: City of Kelowna

Up to 40,000 wet tonnes/year of dewatered biosolids from the City of Kelowna Waste Water Treatment Facility, the Vernon Water Reclamation Centre, the District of Lake Country Wastewater Treatment Plant, and the North Okanagan Regional District Septage Utility Facility is delivered by trucks to the Regional Biosolids Compositing Facility (RBCF) and mixed with wood chips to create Class A compost marketed as “OgoGrow”.

Space limitations at the 9-hectare (active) RBCF affect both the processing and storage options where composting time is approximately 120 days. As both Kelowna and Vernon grow in population and the production of biosolids increases, or if the demand for OgoGrow is static or drops, dealing with all of the biosolids delivered to the RBCF could become problematic.

Together with team lead WSP Consultants, SYLVIS completed a review of land application options for all or a portion of the biosolids delivered yearly to the RBCF. The review included agricultural fertilization, forest fertilization, fertilization for woody biomass production and mine reclamation as options for the beneficial use of biosolids. Operating costs, restrictions, best management practices and odour mitigation requirements were also assessed. A discussion of the current regulatory requirements under the Organic Matter Recycling Regulation and a review of the anticipated changes was also provided.

Completion of the review allowed the City of Kelowna to move forward in assessing the top option to diversify the management of biosolids received at the RBCF. SYLVIS provided the City of Kelowna with biosolids management solutions that were unique, driven by local end-use, regulation-compliant, core policy, and public acceptance.

AREAS OF EXPERTISE

- Applied Research
- Consultation & Education
- Operational Management

> Options Assessment & Development

- Policy & Practices

RESIDUALS

- Ash

> Biosolids

- Effluent and Leachate
- Pulp and Paper Residuals
- Unique Residuals
- Water Treatments Residuals

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