

**Bone Creek Hydro Plant  
Temporary Batch Plant Management Plan**

Submitted to:

**Front Counter BC, Integrated Land Management Bureau**  
441 Columbia Street  
Kamloops, BC  
V2C 2T3

Prepared by:

Transalta Corporation  
1000- 355 Burrard Street  
Vancouver, BC

On behalf of its wholly-owned subsidiary

**Valisa Energy Incorporated**

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## **Project Overview**

The temporary concrete batch plant is to be used to produce concrete for the construction of a powerhouse and headworks facilities for the Bone Creek Hydro Project (BCHP), located approximately 18 km north of Blue River, BC. BCHP is owned by Valisa Energy Incorporated (VEI).

The concrete batch plant machine is a 2006 PREEM Model 102. And will be able to produce approximately 60 m<sup>3</sup> of concrete per day.

Operation for the batch plant is expected to begin April 2010 and will proceed according to the attached construction schedule (Figure 1).

## **Project Description**

Within District Lot 2501 of the Kamloops District Yale Division, the batch plant will be located within Borrow Pit 6 (B6) and is under Crown Land Tenure Licence No. 343011. B6 is approximately 1.0 km from Highway 5 on the Bone Forest Service Road (FSR). Months of operation will be April until November.

There will be no extra facilities or infrastructure needed for this project, no land use on adjacent parcels of land, and no other developmental impacts.

The concrete batch plant will run on diesel fuel and will have it's water supplied by a subcontractor water truck. There is no sewage associated with this project.

## **Additional Information**

### Environmental

- a) There will be no land impacts associated with the operation of the concrete batch plant. Aggregates are being transported from offsite.
- b) Atmospheric impacts will be limited to fuel emissions and to the noise of the machine itself while operating.
- c) There will be no aquatic impacts associated with the operation of the concrete batch plant. Bone Creek is approximately 250 m south of the project location.
- d) There will be no fish and wildlife impacts associated with the operation of the concrete batch plant. Wildlife interaction will not occur as the operating noise of the batch plant will act as a deterrent. The batch plant will be located on a contained, below grade section of land making sedimentation into Bone Creek very unlikely.

## Socio-community

- a) The subject property is zoned RL-1 (Rural). Section 5.1(g) of the RL-1 zone allows processing of aggregate materials, including screening, crushing, watering, and concrete and asphalt production. The batch plant will be in an active worksite and therefore will not affect any other existing land uses. There are no recreation types that will be influenced by the operating of the batch plant.
- b) The batch plant will not affect or influence existing community services due to the remoteness of the project (18 km north of Blue River). There is a local eco-cabin operating that is located at approximately 0.3 km from Hwy 5 on the Bone FSR that will not be affected by batch plant operations. All services (water, food, fuel, and other supplies) are presently transported to site with zero anticipated transportation or access road changes.
- c) The batch plant will not affect public health due to the remoteness of the project and self-contained, temporary nature of the activity.
- d) TransAlta (TA) began consultation with the Simpcw First Nation (SFN) regarding the Bone Creek Hydroelectric Project (BCHP) in early 2004. Mr. Sam Phillips, Manager, Sustainable Resources, of the SFN is TransAlta's primary contact. TA and the SFN entered into a formal Impact-Benefit Agreement in August 2007. Under this agreement the SFN has and will continue to benefit by gaining skills and employment opportunities in the construction sector that continues into 2010. This will continue throughout the operating life of the project and may include opportunities for environmental monitoring and maintenance services. There are no archaeological resources or areas of cultural significance in the vicinity of the BCHP identified by the SFN. TA maintains a very active dialogue with the Simpcw First Nation and participates and supports community events routinely throughout the year.