

Assignment Name: BHP Jansen Discovery Lodge: Design of Potash Mine Construction Camp		ID#: 10
Country: Canada Location within Country: Saskatchewan	Approx. value of the contract: US\$ 4.0-million.	
Name of Client: TransAlta	Approx. value of the professional services provided under the contract: US\$ 350,000.	
Address:	Total No. of staff-assigned to Project: 4	
Start date (month/year): January 2012	Total No. of staff-months of the assignment: 5	
Completion date (month/year): December 2012	Duration of assignment (months): 11	
<u>Narrative description of Project:</u> Design of the utilities for the 2,200-person construction camp, including access and internal roads, fire water supply, sewer, stormwater and potable water distribution.		
<u>Description of actual services provided by professional engineering staff within assignment:</u> Project Management and Design lead for the 2,200-person construction camp, including access and internal roads, fire water supply, sewer, stormwater and potable water distribution Pipe utilities were required to be designed for installation in an above-ground utilidor to permit easy access for maintenance and system expansion purposes, and for easy decommissioning and removal of the man-camp at the end of the mine facility construction phase. Sewer system included a design review between both gravity and pumped sewer system, with the pumped system being installed in the utilidor and the gravity system being buried pipe. Evaluation was cost of installation, operations and decommissioning Preparation of a procurement package including tender drawings, technical and commercial specifications and schedule of quantities.		
<u>Description of Activities provided by RWI</u> Project Manager and design lead for all municipal and civil utilities. Platform design allowed for seasonal flooding (spring melt) and frost heave conditions (winter) created by topography and geology. Utility corridor design had to include pre-cast units to allow for on-site fixing and no in-situ work. Fire flow was supplied with booster pumps with ground storage tanks as supply. Design took into account circulation requirements and limited requirements for any additional chlorination to prevent algae build-up in the water storage facilities. Provided project oversight of the procurement package to the project engineers; client management and management of various claim and scope variation submissions.		

