

EA Report – Study Team Supplementary Response to MOE (Surface Water) Comments on EA Report

	MOE SWR Comment (paraphrased) – February 2009	Study Team Response – March 2009	MOE SWR Comment – June 2009	Study Team Response – June 2009
34	<p>Concern that EA commitment that “OWRA-approved treatment system may be required” does not fully address concerns for the quality of discharged groundwater. It is suggested that the EA state that the engineering review of a dewatering discharge treatment system would best be covered by a sewage works approval with regional clearance of effluent quality requirements.</p>	<p>Dewatering needs and associated approvals will be determined during construction depending on the actual conditions encountered.</p>	<p>The comment about aquatic impacts of hydrogen sulphide in dewatering discharge has not been addressed.</p>	<p>Currently, significant dewatering is not anticipated as part of the proposed design. However, the level of geotechnical analysis undertaken as part of the EA study is not detailed enough to fully quantify required dewatering and the quality of the resulting discharge, either during or after construction. As such, the study team has concluded that dewatering needs and associated approvals will be determined during later stages depending on the actual conditions encountered.</p> <p>The study team is aware that the natural groundwater contains hydrogen sulphide. This information will be provided to future design teams. If dewatering is considered necessary during future stages, then an assessment of the potential for the water taking to mobilize contaminants (or hydrogen sulphide) that are both on-site and adjacent to the proposed works would be part of any application for a Permit to Take Water. Therefore, effects to receiving watercourses are not anticipated. Future study phases will include further consultation with MOE.</p>