

Saturated Till Borrow

The till borrow material is highly sensitive to moisture in terms of its compaction characteristics and workability. Consequently, during periods of wet weather, construction of the core zone will be suspended. Adequate slopes will be maintained on till fill surfaces, and they will be sealed with a smooth drum vibratory roller to promote surface water runoff and prevent excessive softening of compacted fill. Moisture-softened lifts must be removed or scarified, dried to acceptable moisture content and re-compacted.

Instrumentation Triggers

For construction above El. 965.0 m, embankment construction will be suspended if the inclinometers or piezometers fall under the yellow or red condition as described in Table 4.1, and/or if embankment foundation piezometer data indicates a significant increasing trend.

Table 4.1: Instrumentation Trigger Levels

Condition	Inclinometer Movement Rate		Main Embankment Foundation Piezometer	
	(mm/day)	(Bi-Weekly)	Elevation (m)	Above Original Ground (m)
RED	> 1 mm/day	>14mm	> 933 m	>21 m
YELLOW	0.5 mm/day to 1.0 mm/day	7 mm to 14 mm	916 m to 933 m	4 m to 21 m
GREEN	< 0.5 mm/day	7 mm	< 916 m	< 4 m

Freezing Temperatures

Embankment construction work will be halted for the season when freezing weather temperatures prevent acceptable fill placement and compaction.