

Photo 1 East Adit Retention Pond. Note ponding in northwest corner of area.



Photo 2 East Adit Treatment Pond. Note channelization of remnant sediments upstream of breach.

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Photo 3 Industrial Complex as seen from Stol Port. Note location of former Day Tank Farm.

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Photo 4 Inside of Main Tank Farm containment berm.

Note water retained in retention pond.



Photo 5 Exposures and tears of internal liner.

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Photo 6 Affected area of Main Tank Farm berm which was partially excavated during reclamation of contaminated soils.

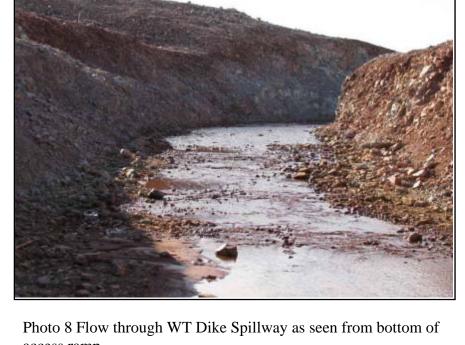




Photo 7 Flow through entrance area of West Twin Dike Spillway.



Photo 9 Settlement depression near spillway outlet.



access ramp.



Photo 10 Outlet end of West Twin Dike Spillway.

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Photo 11 West Twin Outlet Wall. Note water level is approximately 3 cm below invert of wall.



Photo 13 West Twin Outlet Wall

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NANISIVIK MINE 2008 ANNUAL GEOTECHNICAL INSPECTION

WEST TWIN LAKE OUTLET CHANNEL

BREAKWATER
RESOURCES LTD

PROJECT No.:

0255-017-03

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Photo 12 West Twin Outlet Wall. Note flow into Polishing Pond area was

still impeded by culverts at time of photo.

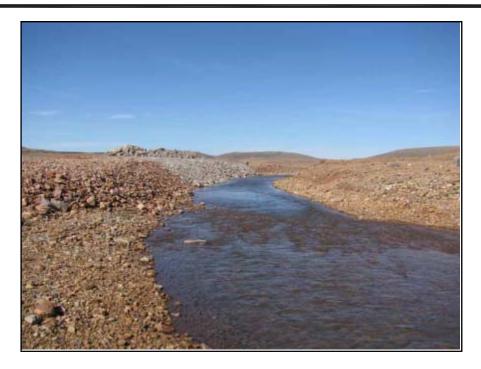


Photo 14 Flow through East Twin Creek Diversion Channel. View looking downstream.



Photo 15 Upstream portion of Twin Lakes Creek diversion.

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Photo 16 Small pond of Surface Cell cover at entrance to West Twin Dike Spillway.

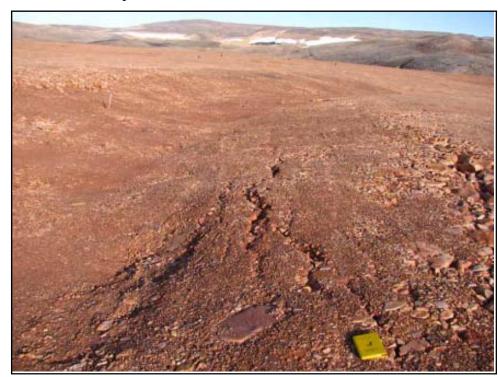


Photo 18 East/West drainage swale. Note minor cracking along edge of swale.

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Photo 17 Surface of Surface Cell cover.



Photo 19 Drainage swale in west portion of Surface Cell cover.

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	2008 ANNUAL GEOTECHNICAL INSPECTION
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SURFACE CELL TAILINGS COVER

PROJECT No.: DWG No.: REV.: 0255-017-03 II-7



Photo 20 Face of West Twin Dike. View looking north.



Photo 21 Crest of West Twin Dike. View looking north.

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Photo 22 Surface of Test Cell cover.



Photo 24 Test Cell cover as seen from rock outcrop near the south abutment of the dike.

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Photo 25 Center of the Test Cell cover looking towards the West Twin Dike.

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Photo 26 Soft area on the crest of the North/South area of the Test Cell Dike.

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Photo 27 Riprap along toe of North/South arm of Test Cell Dike.



Photo 28 Riprap along toe of East/West arm of Test Cell Dike.

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Photo 29 West Twin Dike as seen from the Twin Lakes Delta.



Photo 31 Riprap stockpiled along shoreline of tailings cover at the toe of the West Twin Dike.

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TOE OF WEST TWIN DIKE TAILINGS COVER

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Photo 30 Toe of West Twin Dike tailings cover as seen from rock outcrop at south abutment of West Twin Dike.



Photo 32 Riprap along shoreline of Toe of West Twin Dike tailings cover.

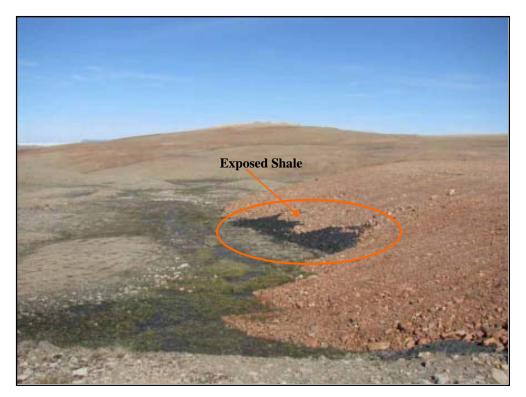


Photo 33 Toe of Landfill cover. Note exposed shale at toe of cover.



Photo 35 Landfill cover as seen from Stol Port.

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Photo 36 Seepage water monitoring station at toe of the landfill cover. Note no water is running here.





Armour placed on road surface

Photo 37 Photo taken September 2008. West Open Pit waste rock cover as seen from Stol Port. Note that the road has been armoured over.



Photo 39 Surface of West Open Pit cover looking east.

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Photo 38 Crack in the West Open Pit crown pillar. Similar condition to what was observed in 2007.



Photo 40 Photo taken in September 2008. Construction photo of the spreading of armour rock over the exposed shale in the road across the toe of the West Open Pit cover.



Photo 41 Surface of East Open Pit cover.



Photo 43 Surface of the East Open Pit cover. Note that minor erosion of exposed shale near the edge of the cover was noted.

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Photo 44 Surface of East Open Pit cover.

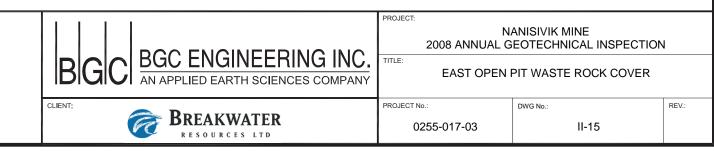




Photo 45 East Trench cover as seen from the upslope area.



Photo 46 Very minor rill erosion attributed to constant seepage on surface of East Trench cover. Similar to what was observed in 2007.

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Photo 47 Oceanview Open Pit cover as seen from south edge of the cover. View looking north.



Photo 49 Minor rill erosion in southwest corner of Oceanview Open Pit cover. Note self armouring occurring. Erosion does not appear to have progressed since 2007.

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Photo 48 Back of the Oceanview Pit looking west.



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II-17



Photo 51 Area 14 waste rock cover. View looking north from Area 14 access road.



Photo 53 Face of Area 14 waste rock cover. View looking south. Note frost gauge instrument at crest of slope.

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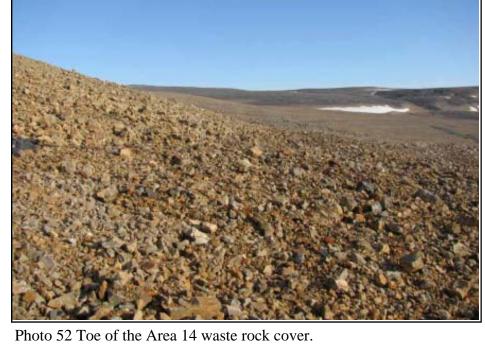




Photo 54 Upper flat surface of the Area 14 waste rock cover.

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Photo 55 Toe of the Upper Dump Pond cover.

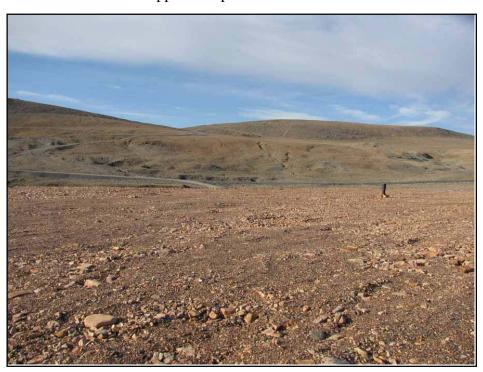


Photo 56 Surface of Upper Dump Pond tailings cover. Note frost gauge FG17 on surface of cover.

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Photo 57 Surface of the 17N Portal Cover as seen from upslope vantage point.



Photo 58 Thermokarst feature in 17N Portal Cover.

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2008 ANNUAL GEOTECHNICAL INSPECTION

17 NORTH PORTAL COVER

CLIENT:

BREAKWATER
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PROJECT No.: 0255-017-03

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II-20



Photo 59 Settlement depression at the southwest corner of the Oceanview Portal cover. Note that the depression does not appear to have progressed since 2007.



Photo 61 Water deflection berm at the Oceanview Portal cover.

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Photo 60 Oceanview Portal cover as seen from the upslope edge of the cover. Note minor cracking along the right (east) edge of the cover.



Photo 62 Toe of the Oceanview Portal cover.

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Photo 63 Surface of inclined face of K-Baseline Portal Cover.



Photo 64 Surface of upper flatter portion of K-Baseline Portal Cover.

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Photo 65 Armoured Surface Area 14 Portal plug.

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Photo 66 Shale Hill Raise cover.



Photo 68 Oceanview West Raise cover.

	1 Hoto C	o occaniview west Raise cover.					
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Photo 67 Oceanview East Raise cover.

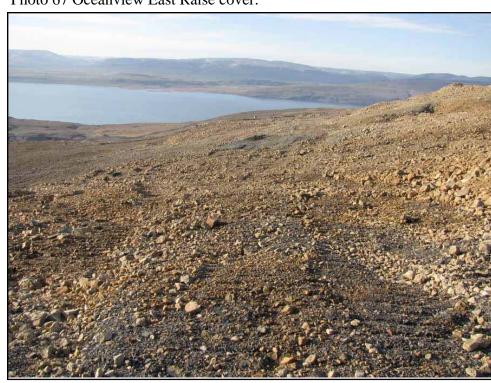


Photo 69 Area 14 Raise Cover. Note armour material applied to surface

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MINE RAISE COVERS



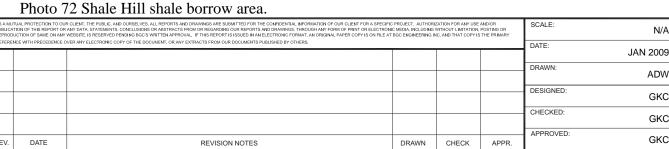
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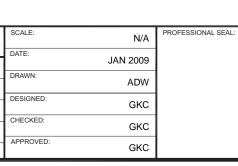
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Photo 70 Mt. Fuji shale borrow area. Note that slopes are falling and are naturally reclaiming to the angle of repose.











SHALE BURROW AREAS

REV.: DWG No.: 0255-017-03 II-25



Photo 71 Base of the Townsite shale borrow area.



Photo 73 Mt. Fuji shale borrow area as seen from Cross Mountain.



Photo 71 Minor thermokarsting at Area 14 armour borrow area. Note that it does not appear to have progressed since 2007.



Photo 76 Floor of Twin Lakes armour borrow area.

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Photo 75 Chris Creek A armour borrow area. Note the minor thermokarsting that is occurring in the surface.



Photo 77 Kuhulu Lake Road armour material borrow area.

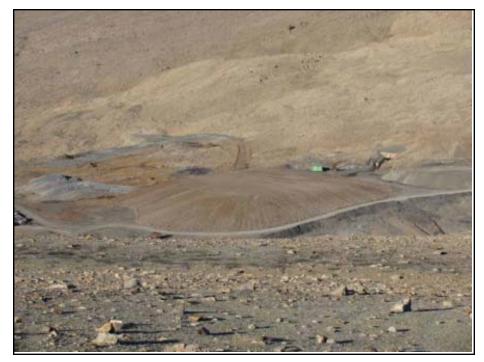
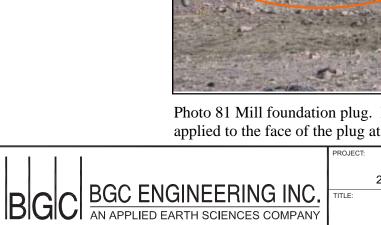


Photo 78 Industrial Complex cover as seen from Stol Port. Note that this cover was completed over metals contaminated soil and the original foundation during the summer of 2008.



Photo 80 Northeast slope of the Industrial Complex cover.

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Photo 79 Surface of the Industrial Complex cover.



Photo 81 Mill foundation plug. Note no armour material had been applied to the face of the plug at the time of the photo.

0255-017-03



Photo 82 Surface of Concentrate Storage Shed surficial cover. View looking south.



Photo 83 Concentrate Storage Shed surficial cover. View looking west.

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