TSF MONTHLY REPORT
JANUARY 2010

Dam

South Dam

- Approximately 10,000t of rock was placed on the South Dam in preparation for a new tailings pipe road to be constructed.
- Work was done in re-establishing berms in Sand Cells along the South Dam in identified low spots.

Perimeter

- Approximately 80,000t of rock was placed in preparation for future dam build.
- Zone-C from Corner 2 towards Corner 1 has been staked out, and rock has been built out to design
- Approximately 12,000t of rock was used for placement as CBL in dam construction.
- Work was completed in the Sand Cells.

Main Embankment

- Approximately 40,000t of rock was used for placement as CBL in dam construction.
- Work was continued in the Sand Cells.

Sand Cells

Sand Cells #17 to Cell #20 were completed along the Perimeter, and Sand Cells #1 to Cell #3 were completed along the Main for a total Zone U volume of 17,.

- Rock had to be placed in Cells #17 to #20 along the Perimeter and in Cells #1 to #7 along the Main due to incompetency of existing bases.

ABR

Water in the ABR continued to build

- A discharge system (culvert and ditch) was completed, in addition to a separate ditch system to prevent run-off flow into the ABR.
- Work continues in mitigating flow through an old road system parallel to the ABR, which may have future implications on ABR functionality.

Project Work

2010 TSF construction planning is almost completed, and a contract has been established with Lake Excavating Ltd. in regards to Till and Filter placement of said construction. A new tailings pipe road has also been identified as an upcoming project in order to establish sufficient head to build Sand Cells required in 2010 construction.

TSF MONTHLY REPORT
FEBRUARY 2010

Dam

South Dam

- 9,000t of rock was brought to the South Dam for use in the construction of Zone U (CBL).
- 0.6m thickness of Zone S (Till) placement was completed along the entire South Dam by Lake Ex.
- Sand Cell construction took place.

Perimeter

- 90,750t of rock was brought to the Perimeter for use in the construction of Zone C and Zone T from Corner 2 to Corner 1 and backfilling of exposed Sand Cells.
- Zone F (Filter) was placed from Corner 2 to Corner 1.
- Ice was exposed and removed that had been buried in Sand Cells #18 – Cell #20 and was backfilled with CBL (rock) and Zone U (Sand).
- 0.6m thick Zone S (Till) was placed from Corner 1 towards Corner 2 by Lake Ex., and should be completed within a week.

Main Embankment

- Excess Zone F (Filter) piles along the main embankment were removed and more strategically placed around the Dam.
- 17,500t of rock was brought to the Perimeter for use in the construction of Zone C and Zone T from the mid-point towards Corner 2.

Sand Cells

Sand Cell #4 was completed along the Main, but construction was suspended due to stress observed in the tailings pipeline. Sand Cell #1 was completed along the South, and Cell #2 – Cell #4 were rocked in as CBL.

ABR

No Work was done on the ABR.

Project Work

10,000t of rock was re-handled in preparing a new tailings pipe elevation, on which preliminary work has been commenced. The project is non-urgent, with a completion deadline of July , 2010.

A new Sand Cell spill box was delivered to site, and will now allow for Sand Cell construction to alternate between locations to achieve more consistent production.

Lake Ex. is placing Zone F (Filter) and Zone S (Till) as per the above. Mark Smith from Knight Piésold continues to be on site to supervise TSF construction.

TSF MONTHLY REPORT
MARCH 2010

Dam

South Dam

- No work took place on the South save Sand Cell construction.

Perimeter

- 16,500t of rock was delivered to the dam, and 3,600t was re-handled in widening the access to the Perimeter Pond and Till Borrow.
- 7,000t of rock was placed along the Perimeter as Zone C and Zone T between Corner 5 and Corner 1, and Zone S (Till) and Zone F (Filter) work was completed.
- Zone S (Till) was completed along the entire Perimeter to an elevation of 955.5m.
- Sand Cell construction took place along the Perimeter.

Main Embankment

- Phase I Zone C, Zone T and Zone F construction was completed.
- Ice chunks were removed from test pits and backfilled with Zone U (CBL).
- Zone S (Till) construction was completed to the 955.5m elevation.
- Zone U was rocked in (CBL) from the mid-point of the Main to Corner 3 at a 10m width.

Sand Cells

- Sand Cell #6 to Sand Cell #9 were completed along the South Dam (rock/sand cell combination).
- Sand Cell #1 to Sand Cell #4 were completed along the Perimeter (rock/sand cell combination).
- 50% of the Main was rocked in for Zone U construction (CBL).

ABR

2,000t of Till was used in mitigating leaking problems in the ABR, and the ABR is now discharging, flowing through a series of retention ponds and ditches prior to reporting to the Main Recycle Pond. Noel McKinnon of Tyee Contracting has been contracted to construct a containment fence for the ABR.

Project Work

10,000t of rock was used in bridge work re-directing water flow.

Sand Cell preparation has taken place such that Perimeter and South Dam cell construction can be alternated to reduce downtime.

Lake Ex is placing Zone F (Filter) and Zone S (Till) as per the above.

Mark Smith and Kurt Merrifield from Knight Piésold have been on site to supervise TSF construction.
A pump and fittings for the future South Embankment recycle pond have been ordered, and containment fencing is to be constructed by Noel McKinnon of Tyee Contracting.

TSF MONTHLY REPORT
APRIL 2010

Dam

South Dam

- 30,000t of rock was brought to the South Embankment for use in the construction of Zone U (CBL).
- 4,000t of rock was brought to the South Embankment for future use in the construction of Zone T (Transition).
- South Embankment tie-in was excavated and completed.
- Zone S (Till) was completed to the 956.4m elevation for the entire South Embankment.
- Sand Cell construction took place along the South Embankment.

Perimeter

- 122,000t of rock was placed along the Perimeter Embankment as Zone U (CBL) and Zone T (Transition) between Corner 5 and Corner 2.
- 123,000t of rock was placed along the Perimeter Embankment as Zone C (Rock), working from Corner 5 towards Corner 2.
- Zone S (Till), Zone F (Filter) and Zone T (Transition) were completed to the 956.1m elevation along the entire Perimeter Embankment.
- Sand Cell construction took place along the Perimeter Embankment.

Main Embankment

- 53,000t or rock was placed as Zone U (CBL) and Zone T (Transition) between Corner 2 and Corner 3 along the Main Embankment.
- Zone S (Till) and Zone F (Filter) placement was completed to the 956.4m elevation for the entire Main Embankment.

Sand Cells

- Sand Cells #10, #11 and #12 were completed along the South Embankment.
- Sand Cells #3, #4 and #5 were completed along the Perimeter Embankment.

ABR

The ABR continues to discharge. Noel McKinnon of Tyee Contracting has been contracted to construct a containment fence for the ABR.

Project Work

Lake Ex has been placing Zone F (Filter) and Zone S (Till) as outlined above.

Mark Smith and Kurt Merrifield from Knight Piésold have been on site to supervise TSF construction.

A pump and fittings for the future South Embankment recycle pond have been installed, and containment fencing is to be constructed by Noel McKinnon of Tyee Contracting.

TSF MONTHLY REPORT
MAY 2010

Dam

Perimeter

- 125,000t of rock was placed along the Perimeter Embankment as Zone C (Rock) and Zone T (Transition) between Corner 5 and Corner 2, with the entire Embankment now up to the 957.3m elevation.
- Zone F (Filter) was completed to the 957.3m elevation along the entire Perimeter Embankment.

Main Embankment

- 129,250t of rock was placed as Zone C (Rock) and Zone T (Transition) between Corner 2 and Corner 3 along the Main Embankment and was completed to the 957.3m elevation for the entire embankment.
- 54,000t of rock was placed as Zone U (CBL) along 800m of the Main Embankment to the 956.1m elevation.

South Dam

- 10,000t of rock was placed as Zone C (Rock) along the South Embankment to the 957.3m elevation.
- 2,000t of rock was placed as Zone T (Transition), completing the 956.4m elevation for the entire South Dam.

Sand Cells

- No Sand Cell construction took place.

ABR

Noel McKinnon of Tyee Contracting constructed a containment fence for the ABR, which continues to discharge.

Project Work

Lake Ex has been placing Zone F (Filter) and Zone S (Till) as outlined above.

Greg Lewsley from Knight Piésold has been on site to supervise TSF construction.

Housekeeping work was done at the biosolids dump.

Containment fencing for the South Seepage Pond has been constructed by Noel McKinnon of Tyee Contracting.

Three filter crush runs were completed and hauled to the dam.

TSF MONTHLY REPORT
JUNE 2010

Dam

Perimeter

- 10,500t of rock was placed as Zone U (CBL) from Corner 5 to Corner 1 along the Perimeter Embankment to the 958.5m elevation.
- 20, of Zone S (Till) was placed along the Perimeter Embankment, completing Phase III Till construction (957.3m elevation) for the entire Embankment.
- The Perimeter Pond pipe was raised over the embankment to the 958.5m elevation.
- Maintenance Work was done at the Corner 1 Ramp.

Main Embankment

- 30,500t of rock was placed as Zone U (CBL) from Corner 2 to Corner 3 along the Main Embankment, completing construction to the 956.1m elevation.
- 4,800t of Zone S (Till) was placed to the 957.3m elevation along the Main Embankment from Corner 2 working towards Corner 3.
- 4,000t of Zone F (Filter) was placed along the Main Embankment, completing construction to the 957.3m elevation for the entire Embankment.
- Piezometers were raised along the Main Embankment.

South Dam

- The first lift of Zone F (Filter) was placed and compacted to the 957.3m elevation along the South Embankment, and the second lift was started.
- 119,500t of rock was placed as Zone C (Rock) and Zone T (Transition) along the South Embankment to the 957.3m elevation.
- The toe drain on the South Embankment was extended to the 958.5m elevation.

Sand Cells

- No Sand Cell construction took place.

ABR

Work was done on the ABR discharge to install a flow monitoring pipe as well as building up berms in areas of high travel.

Advanced water sampling and profiling took place, the results of which suggest favourable conditions for SRB development.

A team of scientist and representatives from Genome BC were on site to sample and tour the ABR.

Project Work

Lake Ex has been placing Zone F (Filter) and Zone S (Till) as outlined above.

Greg Lewsley and Vili Giorev from Knight Piésold were on site to supervise TSF construction.

Housekeeping work was done at the biosolids dump.

Work was done re-establishing berms along the lower Main Embankment access between Corner 2 and Corner 3.

Work was done stripping organics above the road between Corner 5 and Corner 4 for future use in composting Nutrifor and use in ABRs.

The Long Ditch pipe from the sump to the bridge was buried to prevent freezing issues encountered last winter.

The South Seepage Pond pump was sent out for designing an electric starter.

TSF MONTHLY REPORT
JULY 2010

Dam

Perimeter

- 55,800t of Zone U (CBL) was placed along the Perimeter Embankment, completing a berm along the Embankment to the 958.5m elevation.
- 9, of Zone S (Till) was placed along the Perimeter Embankment, completing 2010 Till construction (958.0m elevation) for the entire Embankment.

Main Embankment

- 13,000t of Zone U (CBL) was placed along the Main Embankment, completing a berm along the Embankment to the 958.5m elevation.
- 9, of Zone S (Till) was placed along the Main Embankment, completing 2010 Till construction (958.0m elevation) for the entire Embankment.

South Dam

- 74,000t of Zone U (CBL) was placed along the South Embankment, completing a berm along the Embankment to the 958.5m elevation.
- 8, of Zone S (Till) was placed along the South Embankment, completing 2010 Till construction (958.0m elevation) for the entire Embankment.
- 1, of Zone F (Filter) along the South Embankment, completing Phase III construction to 957.3m elevation.

Sand Cells

- No Sand Cell construction took place.

ABR

The ABR continues to discharge.

Project Work

Lake Ex has been placing Zone F (Filter) and Zone S (Till) as outlined above.

Greg Lewsley, Caroline Grise and Vili Giorev from Knight Piésold were on site to supervise TSF construction.

Work was done on the Joe's Creek pipeline grade.

A representative from GVRD was on site discussing Biosolids use and safety.

TSF MONTHLY REPORT
AUGUST 2010

Dam

Perimeter

- Zone F (Filter) construction was completed to the 958.0m elevation.
- 1,000t of Zone T (Transition) material was stockpiled for future use along the Perimeter Embankment.

Main Embankment

- Zone F (Filter) construction was completed to the 958.0m elevation.
- 3,000t of Zone T (Transition) material was stockpiled for future use along the Main Embankment.

South Dam

- Zone F (Filter) construction was completed to the 958.0m elevation.
- 2,500t of Zone T (Transition) was placed to the 958.0m elevation along the South Embankment.
- 15,400t of Zone T (Transition) was stockpiled along the South Embankment for future use in dam construction.
- 6,700t of Zone C (Rock) was stockpiled along the South Embankment for future use in dam construction.
- 53,700t of Zone U (CBL) was placed along the South Embankment, completing construction of a berm to the 958.5m elevation.

Sand Cells

- No Sand Cell construction took place.

ABR

The ABR continues to discharge.

Project Work

Lake Ex completed placement of Zone F (Filter) as outlined above, and are now off-site as they have satisfied their contractual obligations.

Vili Giorev from Knight Piésold was on site to supervise TSF construction.

Representatives from GVRD and Sylvis were on-site discussing Biosolids applications in remediation.

Areas of the Long Ditch were mucked out to improve flow.

TSF MONTHLY REPORT
SEPTEMBER 2010

Dam

Perimeter

- None.

Main Embankment

- 3,100t of Zone T (Transition) and Zone C (Rock) material was stockpiled for future use along the Main Embankment.

South Dam

- 10,500t of Zone T (Transition) and Zone C (Rock) material was stockpiled for future use along the South Embankment.

Sand Cells

- No Sand Cell construction took place.

ABR

The ABR continues to discharge.

Project Work

Vili Giorev from Knight Piésold was on site for a final site visit as part of 2010 TSF construction.

TSF MONTHLY REPORT
OCTOBER 2010

Dam

Perimeter

- 39,106t of Zone U (CBL) material was placed along the Perimeter Embankment to the 957.0m elevation.
- 14,084t of Zone T (Transition) material was placed along the Perimeter Embankment to the 958.0m elevation.

Main Embankment

- 8,620t of Zone C (Rock) material was placed along the Main Embankment to the 958.0m elevation.
- Zone T (Transition) material was shaped along the Main Embankment at the 958.0m elevation.

South Dam

- Zone T (Transition) and Zone C (Rock) material was shaped along the South Embankment to the 958.0m elevation.

Sand Cells

- No Sand Cell construction took place.

ABR

The ABR continues to discharge.

Project Work

None.

TSF MONTHLY REPORT
NOVEMBER 2010

Dam

Perimeter
- None.

Main
- None.

South
- 21,000t of material was placed as Zone C (Rock) along the South Embankment to the 958.0m elevation.

Sand Cells

- No Sand Cell construction took place.

ABR

The ABR continues to discharge.

Project Work

None.

TSF MONTHLY REPORT
DECEMBER 2010

Dam

Perimeter

- 104,261t of material was placed as Zone T (Transition) and Zone C (Rock) along the Perimeter Embankment, completing 2010 build of all Zones along the embankment to the 958.0m elevation.

Main

- 43,500t of material was placed as Zone C (Rock) along the Main Embankment, completing 2010 build of all Zones along the embankment to the 958.0m elevation.

South

- 13,750t of material was placed as Zone C (Rock) along the South Embankment to the 958.0m elevation, completing construction for 2010, with all Zones having been built to the 958.0m elevation.

Sand Cells

- No Sand Cell construction took place.

ABR

The ABR continues to discharge. A new water heating system has been conceptualized for installation in the ABR water intake line.

Project Work

Ditch work was completed along the South Embankment toe drain in response to high flows.