

# Walter Creek Heap Leach Project Weekly Review

## September 3<sup>rd</sup>, 2008

Dial-in Conference Call: Toronto 1-416-883-0133  
Others 1-877-304-7800  
Participant Code: 62247#



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# FGMI Health & Safety

- **Totals: 15 safety checks total this week for 5 deficiencies found.**
  - All corrected on spot or date to have work done set
  - PPE, Chocks
  - Labels on containers
  - Spray-cans in cab
- **Walk through of CIC building site:**
  - \*3 total walk through 2 minor deficiencies found
- **Walk through of Heap Leach Earthworks site:**
  - \*3 total walk through 1 minor deficiency found
- **Walk through of Mobil Lab site:**
  - \*2 total walk through 0 deficiencies found
- **Walk through of Fence project site (staging area):**
  - \*2 total walk through 1 minor deficiency found
- **Walk through of Screen plant (site 3)**
  - \*2 total walk through 0 minor deficiencies found
- **Walk through of Liner install**
  - \*2 total walk through 1 minor deficiency found



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# FGMI Health & Safety

- 1 injury this week- wrist vs. ROPS (ice and back to work)
- No incidents this week
- No environmental compliance issues this week.

## Hours Worked Since Jan 1<sup>st</sup>

- AAA Fence 261hr. this week; 1,154 total
- AMI 391hr. this week; 6,408 total
- COMANCO 1,124hr. this week; 1,124 total
- FGMI 280 hr. this week; 7,240 total
- GNI 397 hr. this week; 1,537 total
- KP/ Geo-temp 276 hr. this week; 4,695 total.
- Merit 180 hr. this week; 2,870 total
- NSC 1,606hr. This week; 89,353 total



**Project hours this week; 4,514**  
**Total of 114,828 hours**



# Construction

- **Comanco has placed 470 K sq.ft. of secondary liner on the East Slope**
- **Good weather has continued**
- **Final grading on Embankment Crest for installation of liner trench is underway**
- **Great Northwest subbase production**
  - Night shift kicked in September 2<sup>nd</sup>
  - Production up to September 1<sup>st</sup>
- **Additional Great Northwest crusher and screen are being mobilized to begin producing LCRS day and night shift**
  - Scheduled to begin production Friday Sept 5<sup>th</sup>
- **CIC building concrete 99% complete**

# Construction

- **Fencing contractor now 90% complete**
- **CIC building steel**
  - Carbon column support steel received and offloaded
  - Alaska Mechanical is mobilizing for steel building erection

# 3 Week Construction Schedule

		M	T	W	T	F	S	S	M	T	W	T	F	S	S	M	T	W	T	F	S	S
ID	Activity	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	West Slope Prepared Subbase	—	—	—	—	—	—	—	—	—	—	—	—	—								
2	Great Northwest: Prepare Sub-base	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
3	Embankment Transition Fill Placement	—	—	—	—	—	—	—														
4	Embankment Slope Place Subbase														—	—	—	—	—	—	—	—
5	NSC Prepare LCRS	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
6	GNW Prepare LCRS					—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
7	NSC Place LCRS																	—	—	—	—	—
8	Construct Stage 1 Haul Road Tie-in																	—	—	—	—	—
9	Fence Construction	—	—	—	—	—	—	—	—	—	—	—	—	—								
10	Comanco: Secondary Liner Install (1.77 M sq.ft.)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
11	Alaska Mechanical CIC Steel Erection						—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—



# Construction – Pictures

Pond Area Sub grade compaction



Liner Placement Test – Machine can navigate slope.



Liner



Valley View

# Construction – Pictures

Pond Area Sub grade compaction



Liner handling tools



Pond area Sub-base placement



Shop Area – tails pond down stream



# 08 Completion – Critical Elements Schedule

Task Name	Duration	Start	Finish	Aug 31, '08	Sep 7, '08	Sep 14, '08	Sep 21, '08
1 Subbase Production - 70 K CY @ 4,000 CY/day	18 days	Wed 9/3/08	Sat 9/20/08				
2 Subbase Placement - 70 K CY @ 4,000 CY/day	18 days	Wed 9/3/08	Tue 9/23/08				
3 Secondary Liner - 1.3 M sq.ft. @ 70 K sq.ft./day	22 days	Wed 9/3/08	Wed 9/24/08				
4 LCRS Production North Star Only - 1.3 K CY @ 650 CY/day	2 days	Wed 9/3/08	Thu 9/4/08				
5 LCRS Production with NS and GNW - 31.7 K CY @ 2,000 CY/day	16 days	Fri 9/5/08	Sat 9/20/08				
6							
7							

- Average rates from previous week were used for tasks underway
- Rates for tasks not yet underway were assumed
- Note that subbase requirements were updated
  - Subbase production and placement is now critical path, with LCRS close behind

# Engineering Status

- **Knight Piesold – Engineering & QA Lab**
  - Approval from Tom Kerr for the following design changes:
    - Liner anchor trench on Embankment Crest
    - LCRS sump pump pipe casing design changes
  - Confirmation also received from Tom Kerr that the KP design requirements for electronic leak detection match those of the State Dam Permit
    - Only testing of secondary liner under LCRS drain aggregate required (300 K sq.ft.)
  
- **Mine & Mill**
  - Electrical and mechanical drawings are in progress.
  - ALPM shop in progress
  - Waiting on confirmation of location for Preg/Barren piperack
  - Piezometer wiring / PLC interface
  
- **Waycon**
  - Lime Silo design ongoing
  - Fabrication and installation drawings for work thus far have been received

# Engineering Status

- **FGMI**
  - **Heap Leach loading plan is being finalized – preliminary 4 M tons, 4 months**
  - **Haul road designs are being finalized**
  - **Location for Preg/Barren piperack under review**
  - **Building permit questions being addressed/answered by FGMI**
  - **Grade control method for subbase placement being optimized**
  - **Continuing subbase and liner progress surveys**