United Keno Hill Mines

Phase I Water Treatment Systems Modifications Construction Records and Performance Report

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1. BACKGROUND

Alexco Resource Corp. ("Alexco") through its wholly owned subsidiary Elsa Reclamation and Development Company ("ERDC") owns the assets and claims of the United Keno Hill Mining district. ERDC maintains and operates the water treatment facilities at Keno Hill under Type "B" Water Use License QZ06-074.

There are currently 5 treatment locations authorized under QZ06-074 including Bellekeno 625, Galkeno 900, Galkeno 300, Silver King and the Valley Tailings Area. Through a contract between ERDC and Government of Yukon, each of the 4 adit treatment locations were upgraded and modified in 2007 in preparation for meeting discharge criteria under the water license. As required in the work plan contract, this report serves as the construction records report and performance assessment report for Phase I modifications at Bellekeno 600, Galkeno 900 and Silver King.

2. TREATMENT SYSTEMS

2.1. System Modifications

Each of the 4 adit treatment systems was upgraded to varying levels depending on a number of factors including past operating performance. The Galkeno 300 location received the most attention including the addition of a clarifier, new sludge settling pond and rerouting the treated discharge line to prevent downgradient glaciation in the winter. A separate report addresses the modifications made to Phase 2 (Galkeno 300) of the treatment modifications. Table 1 summarizes the modifications made to the Bellekeno, Galkeno 900 and Silver King treatment systems in 2007.

	LOCATION / MODIFICATION
Galken	o 900
1.	Install rapid mix tank (RMT)
2.	Install larger lime holding tank
3.	Locate lime holding tank in new insulated shed adjacent to RMT
Silver King	
1.	Relocate lime holding tank and shed from Galkeno 300 to Silver
Ki	ng
Bellekeno 600	
1.	Install rapid mix tank (RMT)
2.	Install larger lime holding tank
3.	Locate lime holding tank in new insulated shed adjacent to RMT
4.	Clean out remnant sludge from pond, reconfigure pond
5.	Install liner in settling ponds.

TABLE 1 SYSTEM MODIFICATIONS

2.2. GALKENO 900 AND BELLEKENO 625 TREATMENT SYSTEMS

The Galkeno 900 and Bellekeno treatment systems are nearly identical with a single rapid mix tank located below a lime holding tank. Lime solution is added to the adit water as it enters and is mixed in the rapid mix tank and then the metal hydroxide sludge settles in a lined holding pond. The Bellekeno system was modified to include a new rapid mix tank, larger lime holding tank, treatment building and lining both the primary and secondary treatment ponds. The Galkeno 900 treatment system was modified through the addition of a new rapid mix tank, larger lime holding tank and treatment building. Figure 1 - Figure 2 show the modified treatment system at Bellekeno. Figure 3 shows the modified treatment system at Galkeno 900.



FIGURE 1 BELLEKENO 625 TREATMENT SYSTEM



FIGURE 2 MODIFIED BELLEKENO 625 TREATMENT SYSTEM

FIGURE 3 MODIFIED GALKENO 900 TREATMENT SYSTEM



2.3. SILVER KING TREATMENT SYSTEM

The treatment process (i.e. lime addition) at Silver King is similar to the Bellekeno and Galkeno 900 locations with the exception it does not contain a buried rapid mix tank. In addition the treatment ponds at Silver King are not lined. Figure 4 shows the relocated treatment shed (previously located at Galkeno 300) to Silver King. This is the only modification made to Silver King in 2007 and as such no specific construction records are presented as the relocation of the Galkeno 300 treatment shed to Silver King required only a few hours.



FIGURE 4 TREATMENT SHED AT SILVER KING

2.4. CONSTRUCTION RECORDS

The following section provides a daily and pictorial summary of the construction activity and modifications at Bellekeno and Galkeno 900.

Overall project management was provided by Brad Thrall, B.Sc., M.B.A. Chief Operating Officer with Alexco. Construction of the treatment modifications was supervised on a daily basis by Peter Johnson, B.Sc. Eng. Project Manager for Alexco. In Peter's absence, Sam Wallingham, Project Manager with Alexco supervised the daily construction activities. Construction labor was supplied through existing ERDC personnel. Specialty contractors were used as necessary for services including electrical upgrades. All equipment used on the project was supplied by ERDC including a 270 excavator, Case loader, dumptruck and 938 loader. A D-6 dozer was subcontracted by Quest Drilling for minor work on the Bellekeno pond. A summary of the actual versus contract costs for the project is attached as the final financial statement for the project.

TABLE 2 DAILY	CONSTRUCTION ACTIVITIES RECORD
IADLE & DALLI	CONSTRUCTION ACTIVITIES RECORD

Date	Activity Description
3-Jul	Build RMT for lime treatment B600-G900
4-Jul	Build RMT for lime treatment B600-G900
5-Jul	Build RMT for lime treatment B600-G900
6-Jul	Build RMT for lime treatment B600-G900
7-Jul	Build RMT for lime treatment B600-G900
8-Jul	Build RMT for lime treatment B600-G900
9-Jul	Measure pipeline for new B600 adit discharge line, find new line and move into place
10-Jul	Dig trench for new B600 pipeline to replace old culvert
11-Jul	Finish trench and install new pipeline into adit/trench B600
12-Jul	Worked on B600 project Layfield plastics for liners
13-Jul	Work on B600 piping
14-Jul	Fabricated new tanks B600-G900
15-Jul	Fabricated new tanks B600-G900

16-Jul	Dig hole for RMT at B600, Fabricated new tanks
17-Jul	Install tank at B600, Fabricated new tanks
18-Jul	Move excavator back to camp, gather fittings for G900 upgrade
19-Jul	Painting new tanks B600-G900
20-Jul	Fabricated new tanks, painting tanks B600-G900
21-Jul	Fabricated new tanks B600-G900
22-Jul	Fabricated new tanks B600-G900
23-Jul	Fabricated new tanks B600-G900
24-Jul	Fabricated new tanks, paint new tanks B600-G900
25-Jul	Fabricated new tanks, painting tanks, and moving tanks with loader B600-G900
26-Jul	Fabricated new tanks, paint tanks B600-G900
27-Jul	Organize material at B600 site with loader, work on construction of new buildings
28-Jul	Moving tanks with loader, work of construction of new buildings B600
29-Jul	Work on construction of new buildings B600

30-Jul	
31-Jul	Work at B600 upgrades
1-Aug	Work at B600 upgrades
2-Aug	
3-Aug	Make skid for new Lime facilities B600
4-Aug	Make skid for new Lime facilities B600
5-Aug	Make skid for new Lime facilities B600
6-Aug	Unloading Floor skid at B600
7-Aug	
8-Aug	Drill new skids in preparation for building B600
9-Aug	
10-Aug	Building new building for B600
11-Aug	Unload tanks/material at B600/G900 for upgrades, weld skids for new buildings, erecting new buildings for capital improvements
12-Aug	Unload tanks/material at G300 for upgrades, started erecting building at B600

13-Aug	Insulated/sheeted B600 lime treatment shed
14-Aug	Lined B600 lime treatment shed
15-Aug	Lined B600 lime treatment shed
16-Aug	
17-Aug	Work on B600 shed installing roof
18-Aug	Worked installing rafters on the new B600 shed
19-Aug	
20-Aug	
21-Aug	Delivered mixers to site and started installation B600
22-Aug	Installing mixers at B600 and installing roofing material on new building
23-Aug	Finished installing mixers at B600 and B900
24-Aug	Insulate and tyvek roof B600
25-Aug	Install roof tin/ finish installing fascia etc B600
26-Aug	

27-Aug	Gathered electrical parts for B600 lime treatment building, painted new lime treatment building
28-Aug	Finished painting building, Moved building into place at B600, helped Ben's electric wire new lime treatment building
29-Aug	Finished leveling new building at B600, finished mixer installation at G900, installed tank fittings on mixing tank
30-Aug	Installed new piping from new rapid mix tank to pond #1 at B600
3-Sep	
4-Sep	Started work on G900, framed new lime treatment building
5-Sep	Installed new discharge pipe into adit at B600 needed loader to position/continued work on G900
6-Sep	Finished installation of new discharge pipe into adit at B600, flow directed though new mix tank, dug holes in pond #2 to drain water, framed G900 building
7-Sep	Removed rails from B600 portal to create grade for new adit discharge piping, Finished framing and sheeted new G900 water treatment building
8-Sep	Removed sludge from #2 pond with excavator stockpiling material out of the way to dry, painting G900 building
9-Sep	Removed sludge from #2 pond with excavator stockpiled material out of the way with the loader, painting G900 building
10-Sep	Painting G900 building
11-Sep	Finish painting lime shed at G900/shape B600 pond and try to drain #2 pond
12-Sep	Create bypass B600 #1 pond with excavator to facilitate lining, use excavator pond #2, move sludge with loader, installed holding tank in lime shed at G900

13-Sep	Establishing grade around Bellekeno 600 pond #2 with excavator and loader
14-Sep	Removed old culvert from Bellekeno 600 #1 pond and started cleaning #1 pond, shaped #2 pond with Dozer
15-Sep	Used loader and kenworth to haul material to line second pond at B600
16-Sep	Used loader, excavator and dump truck to haul lining material for B600 pond
17-Sep	Moved excavator to Galkeno 900 started installation of new RMT, excavated piping to hook up tank, used loader to remove material from work area, gathered fittings for job
18-Sep	Put together piping for RMT at G900, dug out line to reposition with excavator, moved dirt with loader
19-Sep	Installed new RMT at G900, backfill with loader and excavator
20-Sep	Finished backfilling RMT@G900, remove water from B600 #2 pond
21-Sep	Move building GK 900
22-Sep	Moved GK 900 building into place/level etc/haul excavator to B600
23-Sep	BK 600 hauled gravel with truck and loader shaped pond with excavator
24-Sep	Installed liner in B600
25-Sep	Hauled gravel for B600 to fill in anchor trenches on #2 pond liner started packing anchor trenches with excavator
26-Sep	Hauled gravel for B600 RMT area and finished filling anchor trenches, lined #1 pond with geotech and liner

27-Sep	Level B600
28-Sep	Weld site glasses into new lime tank at G900
29-Sep	Insulate shed under floor, clean up work area at B600, finish welding site glasses into B600, start on G900 site glasses
30-Sep	Insulate shed under floor clean up work area @G900, finish installation of valves/site glasses/ and valves on G900 tank



FIGURE 5 BELLEKENO SLUDGE POND BEFORE CLEANOUT AND LINING

FIGURE 6 COMMENCING EXCAVATION BELLEKENO AND EXCESSIVE SLUDGE (September 8, 2007)





FIGURE 7 ROUGHED IN BELLEKENO POND (September 13, 2007)

FIGURE 8 STORAGE OF EXCESS SLUDGE FROM EXCAVATED BELLEKENO POND





FIGURE 9 FINE GRADING BELLEKENO POND (September 18, 2007)

FIGURE 10 PLACEMENT OF BEDDING MATERIAL BELLEKENO POND #2





FIGURE 11 FINAL GRADING BELLEKENO POND #2 (September 23, 2007)

FIGURE 12 INSTALLING GEOTEXTILE BELLEKENO POND #2 (September 24, 2007)





FIGURE 13 INSTALLING LINER BELLEKENO POND #2 (September 24, 2007)

FIGURE 14 INSTALLING ANCHOR TRENCH BELLEKENO POND #2 (September 25, 2007)



FIGURE 15 COMPLETED BELLEKENO POND #2 (September 27, 2007)



FIGURE 16 DIGGING NEW PIPELINE DITCH FROM BELLEKENO ADIT





FIGURE 17 EXCAVATION FOR NEW RMT BELLEKENO

FIGURE 18 PREPARING SUB-BASE BELLEKENO RMT





FIGURE 19 NEW BELLEKENO RMT IN PLACE

FIGURE 20 NEW PLUMBING INSTALLED BELLEKENO RMT





FIGURE 21 CONSTRUCTION OF NEW TREATMENT BUILDING BELLEKENO

FIGURE 22 NEW LIME STORAGE TANK IN CONSTRUCTION BELLEKENO





FIGURE 23 BELLEKENO POND #1 LINED AND STARTING TO FILL

FIGURE 24 NEW STAGE 1 POND BELLEKENO (September 27, 2007)





FIGURE 25 STAGE 1 AND 2 PONDS BELLEKENO (September 27, 2007)

FIGURE 26 BELLEKENO IN WINTER OPERATION





FIGURE 27 BELLEKENO POND DECANT

FIGURE 28 INSIDE COMPLETED TREATMENT BUILDING BELLEKENO





FIGURE 29 EXCAVATION OF GALKENO 900 ADIT PIPE

FIGURE 30 CONVERSION OF EXISTING 12" PIPE TO NEW PIPE INTO RMT GALKENO 900





FIGURE 31 PREPARATION OF SUBBASE MATERIAL FOR RMT GALKENO 900

FIGURE 32 SETTING NEW RMT IN PLACE AND PLUMBING GALKENO 900





FIGURE 33 BACKFILLING NEW RMT GALKENO 900

FIGURE 34 NEW TREATMENT SYSTEM BUILDING GALKENO 900





FIGURE 35 INSIDE NEW TREATMENT BUILDING GALKENO 900

FIGURE 36 TREATMENT BUILDING FROM GALKENO 300 MOVED TO SILVER KING



2.5. PERFORMANCE COMPARISON

There were a number of reasons for improving and modifying the treatment systems at Bellekeno and Galkeno 900. The primary reasons include:

- 1. Safety considerations from entering the Galkeno 900 adit on a daily basis to check the lime treatment addition system. Poor air (i.e. low oxygen) is a serious safety concern that had to be addressed;
- 2. Unlined and leaking sludge ponds
- 3. Exceedances of zinc discharge criteria due to
 - a. Plugged feed lines
 - b. Poor mixing
 - c. Poor pH control

Point 1 was addressed through the construction of new lime holding tanks housed inside a new lime treatment building. The old propane tanks previously located inside the adit portals were abandoned. Daily checks are no longer necessary in the adits and they are no longer being heated during the winter months. There have been no occasions of frozen lime pump feed lines since the new system at Bellekeno and Galkeno 900 were completed. There have been some instances of plugged lines from sand in the lime. This was an ongoing problem before the modifications. This was subsequently rectified by relocating the suction lines of the new lime feed pumps through the top of the tank and suspending approximately 1 foot off the bottom of the tank. From this standpoint the performance of the modifications has been achieved and meets the expectation of the work plan.

2.5.1. Bellekeno Performance

Point #2 above is in relation to the unlined treatment ponds at Bellekeno. Prior to the modification, the 2 ponds at Bellekeno were not lined and treated solution leaked and discharged through the bottom of the pond. It is possible that a substantial amount of the Bellekeno adit water was going untreated and simply infiltrating through the treatment ponds. Previous to the lining of the Bellekeno ponds, many times there was no solution flowing through the decant culvert at all meaning that 100% of the adit flow was infiltrating through the unlined ponds. Both the ponds at Bellekeno were successfully lined in 2007 and the performance of the new system meets the expectation in the work plan.

Performance of Point #3 (overall discharge quality) is assessed by comparing the percentage of time the treatment system discharges are over the 0.5 mg/l criteria for zinc. It must be noted that the new treatment systems at Bellekeno and Galkeno 900 have been in operation for approximately 3 months. The treatment performance over this 3 month period is compared against the performance for the previous 3 years. This dramatic difference in timelines will subject the comparison to a certain degree of bias but nonetheless it provides an indication of the performance of the modified treatment systems.

Figure 37 shows the discharge for Bellekeno post modifications from the period Oct 3, 2007 – Jan 12, 2008.



FIGURE 37 BELLEKENO DISCHARGE PERFORMANCE Bellekeno Discharge

From the period April 2004 – March 2007 the Bellekeno discharge was above 0.5 mg/l 7.2% of the time (78 times over 1,077 days). The time period is the same as that presented in the Water Treatment Improvements Study. For comparison, the Bellekeno treatment system was over the 0.5 mg/l criteria 6.1% of the time (5 times over 82 days) since the modifications were complete. The 82 day period starts on October 23, 2007 which is the date when the modified Bellekeno system went below 0.5 mg/l once the new system was commissioned. There were a number of days immediately following commissioning the Bellekeno system that were over the 0.5 mg/l discharge criteria but for the purposes of performance comparison the period presented are when the system came back into compliance. Of interesting note, during the same time period of commissioning the modified treatment system at Bellekeno, the average influent zinc concentration increased to 9.1 mg/l from a previous average of 7.2 mg/l or an increase of approximately 25%. After the new influent pipeline was installed in the Bellekeno adit, the water elevation inside increased by approximately 6-12". This increase in water elevation may have had an impact on the zinc concentration in the adit discharge. Another change that occurred after the modifications is the flowrate of the influent adit waters. Prior to modifications, the nominal flowrate of water from the Bellekeno adit was approximately 3.6 lps. Following the installation of a new HDPE pipe from the adit into the rapid mix tank, the average flow has increased to over 5.0 lps. This increase is understandable given the fact that the old pipe transporting untreated water from the adit to the treatment system was a culvert that had a number of leaking joints. This suggests that an appreciable amount of water from the Bellekeno adit was not being treated at all but was simply infiltrating into the Bellekeno waste dump untreated.

As stated above, the short time period after the system modifications makes a representative percent comparison somewhat bias. One more day over 0.5 mg/l over the same time period increases the percentage over a full percentage point. Nonetheless the Bellekeno system requires ongoing optimization to ensure performance reaches the anticipated level expected. The overall

performance from a treatment perspective at Bellekeno has not been noticeably improved with the system modifications. However given the capture and treatment of all of the water at Bellekeno (as noted by the increase in flow and elimination of leaky culverts) the overall loading of zinc to the environment has been reduced since the modifications have been completed.

One of the reasons for continued swings in the performance appears to be the more effective mixing of the adit water in the RMT. Adjustments to the pH dosage have a much more dramatic effect on overall system pH with the new modifications. Operator attention needs to be made to small incremental changes to lime addition rates.

2.5.2. Galkeno 900 Performance

As discussed in the Bellekeno section, a significant improvement and performance indicator at Galkeno 900 is the removal of treatment facilities inside the adit and into a new treatment building. The elimination of this safety hazard is an important performance step at Galkeno 900. Figure 38 presents the zinc discharge levels for the period after the modifications were made to Galkeno 900.



FIGURE 38 GALKENO 900 DISCHARGE PERFORMANCE Galkeno 900 Discharge

With respect to treatment performance the same approach is made for Galkeno 900. From the period April 2004 – March 2007 the Galkeno 900 discharge was above 0.5 mg/l 6.2% of the time (67 times over 1,077 days). The time period is the same as that presented in the Water Treatment Improvements Study. For comparison, the Galkeno 900 treatment system was commissioned on October 1, 2007 and was over the 0.5 mg/l criteria 7.3% of the time (7 times over 104 days). Two of these instances were the following 2 days after commissioning. The overall performance from a treatment perspective at Galkeno 900 has not been noticeably improved with the system modifications. However the important safety consideration of removing the treatment system

from the underground adit has been addressed. Table 3 summarizes the various performance indicators against each treatment system modified in 2007 and assesses whether the modified system has met the performance indicator.

PERFORMANCE INDICATOR	BELLEKENO	GALKENO	SILVER				
		900	KING				
Improved safety	Yes	Yes	Yes				
Reduced zinc levels in discharge	No	No	No				
Reduced zinc load to environment	Yes	No	No				
Reduced Lime Haulage	Yes	Yes	Yes				
Eliminated pond leakage	Yes	NA	No				
Reduced power demand (heating adit)	Yes	Yes	Yes				
Eliminated plugged feed lines	Yes	Yes	Yes				
Eliminated frozen feed lines	Yes	Yes	Yes				
Eliminated upsets from power outage	TBD	TBD	TBD				

TABLE 3 TREATMENT PERFORMANCE INDICATORS

TBD – To Be Determined since there have been no Yukon Energy power interruptions on the grid since the modifications have been complete

	COST BREAKDOWN									
	ASSESSMENT AND ABAND		INES BRANCH							
CONTR	ACT NAME: Water Treatments Capital Improvements -	Phase 1	3							
United Keno Hill Mine Site, Yukon 2007-08										
CONTR	ACTOR: Elsa Reclamation Development Co Ltd., 2300-	200 Gra	nville St., Vancouver	B.C., V6C-1S4						
ESTIMA	TE : One (1) COVERING THE PERIOD: April 1, 2007 to	o April 30), 2007							
CONTR	ACT #: GN0753-3062-51629									
			Tendered	Authorized	Authorized					
Item	D-4-11-	Unit	Quantity	Quantity	Unit	Previous	Current	Total to	Unit	Total
INO.	Details	weasu	or Price	or Price	Price	Claims	Claim	Dale	Plice	Amount
	Galkeno 900									
1	Rapid Mix Tank (RMT) - Material	L.S.	4,610.00	4,610.00	6,140.00	4,610.00		4,610.00	L.S.	4,610.00
2	Rapid Mix Tank (RMT) - Labour Install RMT - Labour	Hr. Hr	30.00	30.00	4 920 00	100.50	70.09	100.50	51.00	5,125.50
4	Install RMT - Equipment	Hr.	20.00	20.00	4,520.00	43.21	10.05	43.21	117.00	5,055.75
5	Install RMT - Fuel	Hr.	20.00	20.00		44.60		44.60	33.00	1,471.75
6	RMT Mixer - Material	L.S.	6,750.00	6,750.00	7,362.00	7,006.00		7,006.00	L.S.	7,006.00
8	New lime storage capacity tank - Material	L.S.	4,790.00	4,790.00	6,070.00	4,790.00		4,790.00	L.S.	4,790.00
9	New lime storage capacity tank - Labour	Hr.	40.00	40.00		124.67	70.09	194.76	32.00	6,232.21
10	New lime storage capacity tank mixer	L.S.	7,100.00	7,100.00	7,100.00	6,674.00	2 242 52	6,674.00	L.S.	6,674.00
12	Lime storage capacity tank building - Material	L.S. Hr.	6,500.00	6,500.00	7,140.00	5,927.72	3,242.53	9,170.25	32.00	9,170.25
13	Upgrade heat tracing, electrical - Material	L.S.	3,500.00	3,500.00	4,520.00	1,220.48	69.36	1,289.84	L.S.	1,289.84
14	Upgrade heat tracing, electrical - Labour	Hr.	20.00	20.00	0.500.00	0.400.05	56.43	56.43	51.00	2,877.72
15	Pipes, valves, fittings	L.S.	2,500.00	2,500.00	2,500.00	3,108.85	217.02	3,325.87	L.S.	3,325.87
	Bellekeno									
16	Install Liner (1200 m2) - Material	L.S.	38,400.00	38,400.00	48,020.00	11,575.00		11,575.00	L.S.	11,575.00
1/	Install Liner (1200 m2) - Labour Install Liner (1200 m2) - Equipment	Hr. Hr	160.00	160.00			178 49	0.00	32.00	20 883 00
19	Install Liner (1200 m2) - Fuel	Hr.	30.00	30.00			181.42	181.42	33.00	5,987.00
20	Decant injection system - Material	L.S.	5,500.00	5,500.00	13,200.00			0.00	L.S.	0.00
21	Decant injection system - Labour	Hr.	100.00	100.00				0.00	32.00	0.00
23	Decant injection system - Fuel	Hr.	30.00	30.00				0.00	33.00	0.00
24	Rapid Mix Tank (RMT) - Material	L.S.	4,610.00	4,610.00	6,140.00	4,610.00		4,610.00	L.S.	4,610.00
25	Rapid Mix Tank (RMT) - Labour	Hr.	30.00	30.00	4 020 00	100.50	32.50	133.00	51	6,783.00
20	Install RMT - Labour Install RMT - Equipment	Hr.	20.00	20.00	4,920.00	45.21	27.28	72.49	32.00	8,481,75
28	Install RMT - Fuel	Hr.	20.00	20.00)	46.60	38.18	84.78	33.00	2,797.75
29	RMT Mixer - Material	L.S.	6,750.00	6,750.00	7,362.00	7,006.00		7,006.00	L.S.	7,006.00
30	New lime storage capacity tank - Material	Hr.	4 790 00	4 790 00	6 070 00	4 790 00		4 790 00	51.00	4 790 00
32	New lime storage capacity tank - Labour	Hr.	40.00	40.00	0,010100	125.67	70.10	195.77	32.00	6,264.51
33	New lime storage capacity tank mixer - Material	L.S.	7,100.00	7,100.00	7,100.00	6,674.00	455.00	6,674.00	L.S.	6,674.00
34	Lime storage capacity tank building - Material	L.S. Hr	6,500.00	6,500.00	7,140.00	5,927.74	70 10	6,082.76	L.S. 32.00	6,082.76
36	Upgrade heat tracing, electrical - Material	L.S.	3,500.00	3,500.00	4,520.00	1,220.48	69.34	1,289.82	L.S.	1,289.82
37	Upgrade heat tracing, electrical - Labour	Hr.	20.00	20.00	0.500.00	0 400 05	0.17.00	0.00	51.00	0.00
38	Pipes, valves, intings	L.S.	2,500.00	2,500.00	2,500.00	3,108.85	217.00	3,325.85	L.S.	3,325.85
	Silver King									
39	Lime storage capacity tank (move existing G300) - Labo	L.S.	80.00	80.00	2,560.00			0.00	32.00	0.00
40	Upgrade heat tracing, electrical - Material	L.S. Hr	3,500.00	3,500.00	4,520.00			0.00	L.S. 51.00	0.00
42	Pipes, valves, fittings	L.S.	2,500.00	2,500.00	2,500.00			0.00	L.S.	0.00
43	<u>Other</u> Small tool allowance	Mnth	2.00	2.00	5 904 00	1.00	0.50	1.50	2 952 00	4 428 00
44	Pickup allowance	Mnth	2.00	2.00	3,970.00	1.1554	1.30	2.45	1,985.00	4,867.50
45	ERDC Project Management (days)	Day	30.00	30.00	25,200.00	19.13	10.00	29.13	840.00	24,465.03
46	Final Reporting - ACG	Day Dav	5.00	5.00	5,200.00 9 120 00	3.96		0.00	1,040.00	0.00
48	Design decant structure Bellekeno - Labour	Hr.	30.00	30.00	4,050.00	5.30		0.00	135	0.00
49	Tank/Mixer freight	L.S.	7,500.00	7,500.00	7,500.00	4,574.07		4,574.07	L.S.	4,574.07
	Labour Overhead @ 7.5%									
50	Total Labourer Hours	Hr.	580.00	580.00	1,392.00	752.00	420.56	1,172.56	2.40	2,814.14
51	Total Equipment Operator Hours	Hr.	100.00	100.00	270.00	25.00	233.00	258.00	2.70	696.60
52	Total Mechanic Hours	Hr.	144.00	144.00	550.80	201.00	32.50	233.50	3.83	893.14
53	Total Floject Management Days	Day	30.00	30.00	227.350.80	19.13	10.00	29.13	63.00	1,834.88
					,000.00				•	
PREF	PREPARED BY: Frank Patch				TOTAL E	ARNED TO	DATE:		\$226,788.88	
<u> </u>										,
DATE	: May 24/07					PREVIOL	S TOTAL	CLAIMED:		\$158,660.73
						THIS CLA	IM:			\$68,128.15
CON	TRACTOR'S FIELD REPRESENTATIV	Έ								