

## STATUS REPORT

# STERLING LANDING BULK FUEL UPGRADE

ALASKA ENERGY AUTHORITY  
RURAL ENERGY GROUP

PERIOD: July 1 to July 31, 2004

HATTENBURG DILLEY & LINNELL, LLC  
CONSTRUCTION MANAGEMENT DIVISION

Date of Submission: August 6, 2004

## Work in Progress

No Construction work occurred during this period.

Dick Newton has been using the tanks to haul fuel. He had a 4,000 gallon discrepancy with the Air Force in accounting for fuel delivered. He hauls fuel at the same time as the barge delivers so he cannot just stick the tanks for inventory control. He requested a meter be installed in the system. I said we would look into it.

Dick Newton called to check on the status of the project. He indicated that pad was drying out and ready for final grading. He also indicated there was a local crew available with fencing experience in McGrath that could help finish fencing and possibly other work. Tony Sherrer (524-3073). He indicated locals needed work.

## Budget

A current budget with project costs to date is attached.

## Conditions Impacting Budget or Schedule

The following conditions will impact both schedule and budget:

1. Wet site conditions, and
2. Gravel to dress out the site and finish the access roads.
3. Winter

Dick Newton wants changes to the system as follows (See Dick Newtons punchlist at the end of this report:

4. Discharge pipe size should have been 3-inch, takes 1 hr 10 minutes to load trucks, takes 35 minutes with our 3-inch pump and hose.
5. Containment ramps don't align with fill spout
6. Some means to fuel truck
7. Meter for truck fill

## Equipment

Equipment and operator needed to complete the work is available and will be rented from Takotna.

## Quality Control

No quality control issues or actions occurred this period.

## Work Planned for Next Period

We have contacted CCI to assist with the completion of this project.

A small crew should return to the site in August once the site has dried out. The crew needs to re-adjust the tanks, remove the hose interconnect lines and replace with solid pipe and braided flex fittings, re-grade the site to provide positive drainage, do general site clean-up, and install the fencing. There should be no working on the site until the site is dry.

Obtaining gravel to dress out the access roads should be investigated. When the surface grading is completed, the approach to the truck fill containment can be used by fuel trucks; however gravel is recommended to properly complete the access road around the outside of the fence.

The 8-inch emergency vents that were called for in the plans do not match the 10-inch openings on the tanks. 10-inch vents were ordered and are being shipped to the HDL warehouse.

Scope of work to complete this project is as follow:

1. Site grading. The JD 350 backhoe and the JD 450 dozer should be rented from Takotna to do the site re-grading. Import gravel is
2. Replace the temporary fuel line hoses. The temporary hoses should be replaced with flex fittings. The flex fittings should be at least 24-inches long instead of the specified 18-inches. Steel pipe spools should be fabricated for each interconnect location and installed with the flex fitting.
3. Construct supports for the transfer line from the tank header to the shipping container with the pumps.
4. Install 10" emergency vents on all the tanks.
5. Install the fence and gates.
6. Paint the pipes and attachments as necessary.
7. Finish general clean-up of the site.
8. Final inspection by CRW.
9. O&M Manual Data to CRW.

## Dick Newtons Punchlist

A faxed punchlist was received from Dick Newton as follows. The bold items are design and funding issues that need a determination from AEA's as to whether we will make changes:

8. Valve leaks on loading stand
9. Needs camlock or other leak-proof stopper
10. Pump blew gasket / nothing added to gasket which was poor material.

11. Gauges on Tanks 1, 2, and 3 out of sync
12. No gauges on Tanks 4 and 5
- 13. Discharge pipe size should have been 3-inch, takes 1 hr 10 minutes to load trucks, takes 35 minutes with our 3-inch pump and hose.**
14. Looks like a garbage dump
15. Touchup painting
16. Remove hoses and install steel flexes.
17. Need 16 locks keyed alike for valves and connex
18. Absorbent pads and boom
- 19. Containment ramps don't align with fill spout**
20. Install fencing
21. Finish earthwork
22. Touchup and tank numbers
23. Ullage sheets for tanks (HDL provided these to Dick)
24. Level tanks
- 25. Some means to fuel truck**
26. Valve tool
27. Torch, oxy-acteylene tanks, ladder and welder should stay here.
28. Install meter (and strainer) on the truck fill

This Report Prepared By:

HATTENBURG DILLEY & LINNELL, LLC

Scott Hattenburg, P.E./Principal

Attachments: Current Budget

NTP #	HDL JOB #	NAME	ORIG. BUDGET	AMEND 1	AMEND 2	AMEND 3	CURRENT BUDGET	EXPENDED AS OF July 29	BALANCE	HDL EST. TO COMPLETE	CCI EST. TO COMPLETE	TOTAL AT PROJECT COMPLETION	BALANCE (SHORTAGE OR FUNDS AVAILABLE)
<u>HDL</u>													
8		Sterling Landing BFU-Pre CM					23,478	23,476.90	1.10			23,477	1
13		Sterling Landing BFU-CM					65,466	65,465.74	0.26			65,466	0
14		Sterling Landing BFU-Skilled Labor					90,600	83,103.25	7,496.75			83,103	7,497
15		Sterling Landing BFU-Small Procure.					135,500	133,038.04	2,461.96			133,038	2,462
16		Sterling Landing BFU-Equip Rent					78,750	65,929.00	12,821.00			65,929	12,821
		SUBTOTAL	0	0	0	0	393,794	371,012.93	22,781.07	-	0	371,013	22,781
<u>AEA (*)</u>													
		Force Account Labor					75,000.00	75,000.00				75,000	0
		Materials Over \$5,000					243,759.00	243,759.00				243,759	0
		Freight					149,000.00	149,000.00				149,000	0
												0	0
		Contingency									0	0	0
		SUBTOTAL	-	-	-	-	467,759.00	467,759.00	-	-	0	467,759	0
		TOTAL	0	0	0	0	861,553	838,772	22,781	0	0	838,772	22,781

EXPENSES IN BLUE ARE ESTIMATED, AEA VERIFY