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## **Buckland Meeting Notes October 12, 2010 Meeting Denali Commission**

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Sharon Lind opened the meeting introducing and welcoming those in attendance by phone. Sharon informed the group that the meeting would go quickly today. Sharon turned the meeting over to Debra Addie from VSW for an update.

**Update from Debra Addie - VSW** – Debra provided the following report to the group and highlighted key items:

# Buckland Water and Sewer Project

## VSW Monthly Report October 12, 2010

### Design Activities

Design for the Buckland piped water and sewer system is complete, except for the following items.

- **Water Treatment Process Equipment** - VSW reviewed the recommended conventional water treatment package plant known as the "Sweet Water Boy" for Siemens, Inc., and made recommendations for process control. However, the Sweet Water Boy does not include certain necessary features, so Summit is now researching a similar package plant made by Robert Filter. Additional testing water testing is being performed by Siemens in Iowa, to verify the recommended treatment process.
- **Raw Water Manhole** -Redesign of the intake manhole is continuing. Additional riprap will be provided around the manhole to protect it from flood damage.
- **NWAB Title 9 Permit.** Summit submitted and application for a Title 9 Permit on March 25, 2010. The permit was discussed in Buckland on Thursday, May 13, at a meeting attended by the City, IRA, NWAB, VSW and Summit. Summit has contacted the Borough several times since May 13 regarding this issue. Summit provided copies of all other project permits to NWAB on 8/20/10. Summit corresponded with Grant Hildreth on 9/24/10 and provided additional information regarding the project.

### Site Control

Nineteen (19) BIA easements are needed to serve an area downtown including over 30 services. Construction in this area is planned for 2011, pending sites control. Obtaining easements on BIA restricted land is a complex process. Maniilaq has completed counseling all of the property owners and has submitted all the paper work to the BIA in Anchorage.

Easements for the uptown lots and non-restricted downtown lots have been prepared and ten have been signed.

## **Construction**

Jeff Raymond has been onsite since March 23 and has hired 15 local workers. The crew also includes a plumber, electrician, equipment mechanic, construction foreman for the water plant building and foreman for the project camp. Accomplishments include:

- **Raw water line** - Raw water line is complete, but there are design issues with the manhole that must be resolved before putting the line into service. Valve and fitting for the glycol heat system in the raw water line were received in Buckland last week.
- **Water mains** - 1100 feet of the mid-town water main is complete and in the same alignment as the raw water line. 1200 feet of the downtown water main is complete.
- **Water Service lines** - 7 Water service line work has been installed, including 6 homes and the store.
- **New Water plant** - Framing is complete and the concrete slab is complete. It is essential to complete the building and install the equipment for the water distribution system in order to start-up the water distribution system.
- **Sewer mains** - sewer line "H" near city office is complete, including manhole #15 and the clean-out.
- **Downtown lift station** - The downtown lift stations was put into service on May 21. A pre-final inspection completed 9/16/10.
- **Downtown lagoon closure** - The downtown lagoon is closed and the new lagoon is in use.
- **Force main** - The force main is complete and in service. Additional material will be place over the force main in areas where the main has settled.
- **Plumbing and electrical work** continues in the city office, the store, clinic and 7 homes.
- **Equipment Maintenance Building** - mechanical and electrical upgrades are 99%complete.
- **Washeteria** - Additional mechanical and electrical work is being done to be able to connect the new dryer.

- **Project Camp** - The building shell is complete. The crew is working on the mechanical, electrical, and sheetrock.

#### **Existing Water Plant:**

The existing water plant will provide the water for the new piped system until the new plant is complete and the water treatment equipment is installed. Anchorage RMWs Kent Knapp and Kyle Downing inspected the plant and noted serious deficiencies. The RMWs have assisted by rerouting the backwash water to increase the backwash rate, bypassing the contact clarifier which is not working properly. They are developing a plan to correct the plant deficiencies beginning with filter media replacement next week and assessment of the boilers which have not been in service in recent years because the plant has been utilizing waste heat. The recommended upgrades include better control of chemical injection to improve the effectiveness of the treatment process, as well as removal of the chlorine contactor, and replacing the turbid-meter and other equipment.

**VSW Site visits:** May 13 - Debra Addie attended an interagency meeting in Buckland with NWAB, City, IRA, and Summit.

June 2, post-flood inspection by Debra Addie and John Johnson, VSW inspector

June 21 - John Johnson, VSW inspector/monthly inspection

July 7 - Dave Cramer, Summit Consulting, site visit

July 15 - Debra Addie, VSW, Chris Allard, Summit, Sam Chelbana, Summit, John Johnson, VSW - inspection and council meeting.

August 5, monthly inspection, Dave Cramer, Summit, Chris Allard, Summit.

August 23-24, Debra Addie made a site visit with Heather Gross, SCS. Debra outlined the project schedule for thru completion.

August 30, 2010 Kent Knapp, RMW program, made a site visit to assist the Water plant operators and inspect the Raw Water line.

September 13 to 17, 2010, Kent Knapp, RMW and Kyle Downing, RMW, assisted water operator with water treatment issues,

identified problems with the existing filtration system, and recommended improvements.

September 16, 2010, Debra Addie and Doug Poage made a site visit for lift station pre-final inspection.

September 20, 2010, John Johnson traveled Buckland to inspect water plant building.

September 23, 2010, John Johnson returned to Buckland to monitor concrete pour for the water plant floor.

October 19, 2010, Steve Evavold and Kyle Downing of Anchorage, and Chuck Simon from Nome plan to go to Buckland to assist with the existing water plant.

Project meeting with council and SCS in October - date to be determined.

**RD Funding:** The city is used the old RD funds, \$306,000 to purchase a large excavator. The excavator is in Kotzebue this winter and will be shipped next spring.

Using the balance of funding for a lagoon fence was considered, but rejected as this year is not the proper time to install the fence.

The balance of the RD funds will be used to upgrade the old water plant.

#### **SDS Funding Request**

The recent SDS request was for the water storage tank. We expect to know whether SDS is funding will be available in September or October. If successful, funds would be expected in June, 2011.

#### **Funding (no change since last report)**

Scope	Source	Grant Amount	Date Funds expected
Raw Water Line	-ANTHC	884,000	Currently available
Begin construction of Water	VSW/EPA Multi-year list	1,500,000	Currently available

plant/water tank pad/camp			
Continue Water plant and water tank work	Old EPA funds	1,420,000	2 <sup>nd</sup> half of 2010 (see note below)
Complete Downtown System	ANTHC SDS	3,512,000	Currently available
Service lines and plumbing for 17 Native homes	ANTHC SDS	948,100	Currently available Excludes HUD mutual help homes, rental homes, and public buildings.
Total		8,264,100	

An additional \$1.4 million of VSW/EPA funds is expected during October 2010. These funds are for completion of the water plant, upgrade the existing water plant, and for additional house plumbing work. The remaining unfunded need is for the mid-town and up-town mains, services, lift stations, and house plumbing. These funds will be needed in 2012 and 2013. The VSW multi-year list is a possible source of these funds.

## Project Schedule as of October 2010

(No change since last month)

Year	Scope	Comments
2010	<p>Complete downtown lift station</p> <p>Complete raw waterline</p> <p>Construct project camp</p> <p>Construct water plant including equipment for water distribution</p> <p>Water and sewer mains and service lines to first group of services (12 homes, city office, clinic, store, old clinic, new camp).</p> <p>Start-up first group of homes</p>	<p>Funding in place.</p> <p>Work under contract.</p>
2011	<p>Construct treatment equipment in plant</p> <p>Water and sewer service to Downtown area.</p> <p>House plumbing for 30 to 50 homes</p>	<p>Funding in place for mains and service. Partial funding for house plumbing.</p> <p>19 BIA Easements needed by January 1, 2011, in order to extend mains to downtown area. Otherwise, project will be limited to Lower End of Airport Road, approximately 10 homes.</p> <p>Utility ordinance needed by January 1, 2011.</p> <p>Contract amendment needed.</p>
2012	<p>Construct water storage tank</p> <p>Complete house plumbing downtown</p> <p>Midtown mains, service lines, and lift station.</p>	<p>Anticipate funding to WST in June 2011 from ANTHC-SDS.</p> <p>Funding needed for Mid-town and uptown mains, service lines, lift stations, house plumbing. VSW three-year-list funding is anticipated in 2012 for this project.</p> <p>Contract amendment needed.</p>

## **Discussion items during the meeting as follows:**

- Debra Addie from reiterated the importance of completing the 19 easements by January 2011. Debra reminded the group that 30 homes were served by these 19 easements and the project would be impacted significantly if they were not completed. Debra informed the group that Maniiliq did a great job processing these easements and got them to BIA quickly. Discussion followed on the importance of BIA getting these easements done quickly and the immediate need for follow-up by the community on these items.
- Debra informed the group that the downtown lift station would be transferred to the city by the end of this year.
- Darlene Hadley updated the group stating that those individuals who had bills outstanding were paying – three more had been received. Individuals need to be current on paying bills so that plumbing and electrical work could proceed.
- Glenna mentioned that NANA dividends were forthcoming and more bills would be paid after that November distribution.
- Debra outlined the work on the existing water plant and informed the group that Kyle Downing and Steve Evold would be in Buckland for that work next week and needed a place to stay. Darlene mentioned the availability of the old community building.
- Debra overviewed the Buckland visit scheduled and mentioned the need for a project update meeting. Thursday, October 28 was suggested for that meeting, the week after the AFN convention.
- Dave Williams updated the group on the Corps of Engineers' progress. Dave informed the group that the resolution had been received and that the resolution and the amended agreement had been sent back to headquarters for final approval. Dave informed the group that after this final approval and the completion of the required checklist, the Corps could move to getting the RFP out for bid. Also, Dave mentioned the need for modifications being signed off on. Dave stated that a Spring award was possible.
- Sharon asked the community about the contract for the school district. Glenna stated that a corrupted file prevented her from working on the template. Debra stated she would resend that file.
- Nathan from Buckland stated that PFD's made paying bills by delinquent bill payers possible and that people would catch up on unpaid bills.
- Percy from Buckland stated that he spoke with Maniiliq and that all easements were in fact at BIA.
- Sharon Lind closed the meeting. The next meeting will be on November 9, 2010 at 11:00 a.m.

**Buckland Meeting**  
**October 12, 2010**



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TIM			
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