



Denali Commission
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www.denali.gov

Buckland Meeting Notes May 11, 2010 Meeting Denali Commission

Sharon Lind opened the meeting introducing and welcoming those in attendance by phone. 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 May 11, 2010

Design Activities

- **Water Treatment Process Equipment** - Summit is reviewing proposals for water treatment equipment from equipment suppliers with assistance from G. V. Jones and Associates. VSW will review the equipment proposals next week in preparation for procurement activities.
- **2010 Plan set.** ADEC approval to construct the 2010 plan set was received on May 10, 2010.
- **NWAB Title 9 Permit.** Summit submitted an application for a Title 9 Permit on March 25, 2010, and has been working with the NWAB and their consultant regarding flood issues. A meeting is scheduled in Buckland on Thursday, May 13, between the City, IRA, NWAB, VSW and Summit.

Site Control

Nineteen (19) BIA easements are needed to serve an area downtown extending from Nora Avenue to Ann Avenue, between the school and downtown lift station and the river, including over 30 services. Obtaining easements on BIA restricted land is a complex process. Maniilaq has started meeting with individual property owners regarding these easements.

Twelve (12) easements will be needed to extend water and sewer through Mid-town along the Mountain View Avenue alignment between Ruth Avenue and Naomi Avenue. Summit has drafted these documents and is seeking homeowner approval.

Construction

Jeff Raymond has been onsite since March 23 and has hired 15 local workers. The crew is constructing the following items:

- **Raw water line** - 250 feet of raw water line is complete, including the valve vault where the ACOE river intake will

tie-in. The new raw water line will start-up during the summer after spring break-up.

- **Downtown Lift Station** - The electrical work is complete and the mechanical work continues, such as installing the pumps and completing the glycol heat-trace system. Start-up will occur when the mechanical work is complete.
- **Lagoon Closure** - Bin walls have been removed and material has been stocked-piled around the lagoon in preparation for lagoon closure.
- **Sewer Force main** - The bypass road near the multi-plate culvert has been removed. The force main is now complete.
- **Sewer Main and Sewer Services** - The line from the water plant to the lift station is complete. Work continues on the line from the clinic to the main and is nearly complete. In 2010 we expect to install 15 more service lines, including 7 Native-owned homes, 4 NIHA homes, the store, clinic, city office and new camp.
- **Plumbing and electrical for homes and public buildings** is beginning on the first group of services, consisting of the clinic, city office, store, and 3 homes.
- **Equipment Maintenance Building** Electrical work is complete and work continues on the ventilation system.
- **Water plant/washeteria** Electrical work is complete for the new dryer. Mechanical work continues for the dryer and the connection to the new raw water line.
- **New Project Camp** - The camp is planned for the pad across from the clinic. Materials are being procured and shipped to Buckland.

Water Operators - Mike Sheldon and Erik Weber from Buckland attended water operator training at TCC in Fairbanks in April. Travel costs were paid by the City, VSW, and TCC.

School Fee Agreement - VSW is working with the community on the fee agreement. RUBA provided a template. The city is researching the existing agreement.

Site visits: A site visit is planned for Thursday, May 13 for VSW (Debra Addie) and Summit (Dave Cramer, Heather Gross and Chris Allard.)

Funding: SDS Funding - Debra will update the database and expects the next priority will be either the water storage tank or the mid-town mains and mid-town lift station. The deadline for submitting information is May 21.

VSW Funding

Scope	Source	Grant Amount	Date Funds expected
Raw Water Line	-ANTHC	884,000	Currently available
Begin construction of Water plant/water tank pad/camp	VSW/EPA Multi-year list	1,500,000	Expected soon pending EPA grant funds release
Continue Water plant and water tank work	Old EPA funds	2,000,000	2 nd half of 2010
Complete Downtown System	ANTHC SDS	3,512,000	Grant documents were mailed to Buckland 5/7/10.
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		8,844,100	

Discussion items during the meeting as follows:

- Glenna from the City of Buckland discussed the upcoming meeting with NWB, IRA and VSW.
- Discussion followed on the 19 easements still needed. Debra Addie from VSW stated that Heather Gross from Summit would be tracking these items. Debra mentioned the need for 12 easements that existed within the city.
- Debra discussed the need for the City of Buckland to sign and return the ANTHC grants as soon as possible. It was mentioned that, although grants had been FedExed, the city was still not in receipt of them. Glenna stated she would check today's mail and hopefully they would arrive on today's plane. Debra asked that she sign and hold onto the grants so that Debra could pick them up while in Buckland this week.
- Ernie from the City of Buckland discussed issues regarding rocks related to the new man hole and raw water line. Debra stated she would look into his concerns on this issue while on site this week.
- Ernie from the City of Buckland asked whether Summit would be hiring all previous employees on this project. Debra Addie stated that Jeff Raymond would be doing the hiring and stated this could be discussed on the site visit as well.
- Glenna from the City of Buckland asked about the temporary access road and the use of it before break-up. Debra stated that the ramp being used on the temporary road would be pulled prior to break-up.
- Glenn from the City of Buckland suggested and all agreed that a full tour during the Thursday visit of Summit, NWB and VSW was in order to review all current issues and get an update of current activities.
- David Williams from the Corps of Engineers stated that the permit required from DEC for the water intake was received. Glenna from the City of Buckland stated that she would send a copy of that for our files.
- David also reported that the amendment to the cooperative agreement was still in review and the certificate of authority was not yet signed off on. This item must be in place prior to an RFP process and David reported RFP's probably would not occur until August.
- David also reported that a new draft policy existed at the COE and that policy states that all plans and specs must get a second review prior to an RFP process. It was asked whether the reviewing entity had experience in Arctic regions. David stated that yes they did. It was asked whether this review would increase project cost. David reported that yes, there could be a cost increase and there could be a delay due to this process.
- The City of Buckland reported that the river is still solid and they are waiting for breakup.

- Bob Walsh from Senator Murkowski's office reported that Senator Murkowski is staying apprised of all activities in Buckland via Bob. Bob also reported the Senator's work on possible future appropriations for this project and stated that the Senator would like to possibly visit Buckland this summer.
- Sharon Lind closed the meeting. The group had previously decided not to try to meet during the busy summer months.
- The next meeting will be on August 3, 2010 at 11:00 a.m.

Buckland Meeting
May 11, 2010

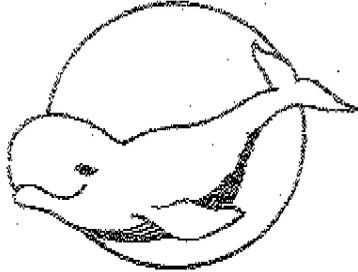


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Name	Agency/Organization	Phone	Email
Debra Adie	VSW		
Sharon Lind	Denali Comm.		
David Williams	COT		
Glenna Ernest	City of Buckland		
Crystal Parklane			
Mary Lou Panyl			
Bob Walsh	Benton Mulkowski		

City of Buckland



P.O. Box 49

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FAX TRANSMISSION

- () please call to confirm receipt
- () please respond by return fax
- () call if transmission is incomplete

Date: May 11, 2010

To: Sharon Lind

Fax number:

(907) 271-1415

From:

City of Buckland

of pages including cover page: 6

Message :

Here is the document that
you've requested.

Have a Great Day!

STATE OF ALASKA

SEAN PARNELL, GOVERNOR

610 University Avenue
Fairbanks AK 99709
Phone: (907) 451-2108
Fax: (907) 451-2188
<http://www.dec.state.ak/>

**DEPT. ENVIRONMENTAL CONSERVATION
DIVISION OF ENVIRONMENTAL HEALTH
DRINKING WATER PROGRAM**

File Number: 520.07.001

May 6, 2010

Chris Allard, P.E.-----
Summit Consulting Services
4500 Business Park Blvd.
Anchorage, AK 99503 -----

**Re: Buckland – Water Improvements 2010
Drinking Water - Conditional Approval to Construct and Separation Distance
Waiver Approval
PWSID #: 340125; Class: Community (formerly called Class A); Source: Surface water**

Dear Mr. Allard,

On March 1, 2010 we received your requests for separation distance waivers and approval to construct. We appreciate the additional information Heather Gross provided by email and telephone contact. Your submittals were reviewed in accordance with the Drinking Water regulations 18 AAC 80 and **approval to construct and conditional separation distance waivers are granted.** Enclosed is a Construction and Operation Certificate with the Approval to Construct section signed.

This approval is subject to the following conditions:

1. In addition to the RPZ backflow prevention assembly at the midtown, downtown, and uptown sewer lift stations, a vacuum breaker, chosen and installed as per the plumbing code, shall be installed on the hose bibbs used for washing down the lift stations.
2. An RPZ backflow prevention assembly shall be installed at the clinic.
3. The utility shall be notified in advance of discharging the chlorinated water to the sanitary sewer manhole.
4. The storage tank coating shall be ANSI/NSF Standard 61 certified.
5. Water mains shall be disinfected in accordance with AWWA Standard C651.
6. An air gap terminating a minimum of two times the diameter of the overflow outlet above the ground shall be installed for the storage tank overflow drain pipe.

Project Description

This project will construct a 750,000-gallon steel bolted raw water storage tank and 10,800 feet of water distribution mains with flush hydrants. The water mains will be fused 6-inch by 18-inch HDPE SR11 arctic pipe with a glycol trace. Flush hydrants will be in-line.

Separation Distance Waivers

Due to site restrictions waivers are needed for a reduction in the required 10 feet horizontal separation distance between parallel runs of water and sewer mains and at their crossings.

Waivers of the separation distance requirements in 18 AAC 80.020(f)(3) are being approved for the following locations (all sewer lines are gravity mains unless otherwise noted):

Sheet No.	Station of Crossing Points	Stations with less than 10' Separation (due to angle of crossing)
C6.3	Station 9+69 / Station 19+95 (C6.4)	9+58 to 9+80 / 19+84 to 20+6 (C6.4)
C6.4	Station 22+8*	21+95 to 22+20*
C6.5	Station 24+42	24+30 to 24+54
C6.6	Station 33+80	33+67 to 33+92
C6.6	Station 39+31	39+20 to 39+41
C6.8	Station 48+01	47+84 to 48+17
C6.9	Station 3+17 / Station 45+46 (C6.14)	3+03 to 3+31 / 45+32 to 45+60 (C6.14)

* Involves both a gravity sewer and force main

The above waivers are being approved based on the following conditions provided in your submittals:

1. Where sewer line joints are within 10 feet of a potable water line, the joints will be fused instead of coupled. The joints will be visually inspected by the superintendent overseeing fusion operations. These inspections will be recorded and documented in the daily record.
2. The sewer lines will be pressure tested during installation and before backfilling. In areas where the sewer lines will be constructed closer than 10 feet from the water main, the sewer lines will be constructed and pressure tested in a manner equivalent to the potable water mains.
3. Sewer lines will be constructed in separate trenches from the water lines.
4. At crossings all sewer line joints will be at least 9 feet from water line joints. Sewer line joints within 10 feet of the water line will be fused. Where sewer lines cross water mains, they will be at least 18 inches below the water line. In locations where the sewer line is above the water line a bentonite blanket will be added between the two mains.
5. Records shall be maintained of inspection and pressure testing activities for the sewer lines and water mains. A summary of this documentation, reviewed by a registered engineer, showing the installed pipes passed the pressure testing and visual joint inspection criteria in the area where sewer lines are within 10 feet of or cross water mains shall be included in the interim or final operation approval request.

Operational Approval Requirements

In order to receive final operational approval all of the following information must be submitted after completion of construction:

1. Letter requesting operational approval
2. Documentation showing the waivers approval conditions have been met
3. Documentation showing the construction approval conditions have been met, including submittal of the specifications of the selected storage tank coating
4. Documentation the mains and storage tank were properly disinfected and flushed per AWWA standards C651 and C652 respectively
5. Total coliform test results showing the absence of bacterial contamination in the mains sampled per the AWWA standards C651
6. Set of as-built or record drawings sealed, signed, and dated on each page by the registered professional engineer that inspected construction, clearly showing all construction changes, and preferably on paper no larger than 11-inches by 17-inches

You may request interim approval to operate by addressing items one through five above. Interim approvals are valid for 90 days. This may allow time to complete the as-built or record drawings as needed for your request for final approval to operate.

Disclaimers and Administrative Appeals Process

Please note that these waivers are limited to this project and its current site conditions. Site conditions and related contamination risks may change with time, thus, voiding these waivers. Approval of these waivers does not obligate the Department to approve future waiver requests proposing the same design.

Approval of submitted plans is not approval of omissions or oversights by this office or noncompliance with any applicable regulation. The Department's construction approval does not guarantee correctness of functional design or waive the owner's responsibility for continued compliance with State regulations. Deviations from approved plans which affect capacity, flow, pressure, operation, compliance, or materials of major system components (particularly any components which do not meet ANSI/NSF Standard 61) must be approved by DEC prior to their construction or implementation.

This approval does not relieve you from compliance with any other state, federal, or local authorizations which are required for your project. You should obtain all other necessary authorizations before proceeding with your project.

Any person who disagrees with this decision may request an adjudicatory hearing in accordance with 18 AAC 15.195- 18 AAC 15.340 or an informal review by the Division Director in accordance with 18 AAC 15.185. Informal review requests must be delivered to the Division Director, Kristin Ryan, 555 Cordova St., Anchorage, AK 99501, within 15 days of receipt of this decision. Adjudicatory hearing requests must be delivered to the Commissioner of the Department of Environmental Conservation, Larry Hartig, 410 Willoughby Ave., Suite 303, Juneau, AK 99801, within 30 days of this decision. If a hearing is not requested within 30 days,

Buckland – Water Improvements 2010
Conditional Approval to Construct and Waivers

May 6, 2010
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the right to appeal is waived. More information on the Department's administrative appeals process can be found at <http://www.dec.state.ak.us/commish/ReviewGuidance.htm>.

This construction approval is valid for two years from the date of this letter. If during the two-year period the site conditions, plans, and design specifications do not change, the applicant may request an extension after payment of the fee required by 18 AAC 80.1910(b)(12). Otherwise, the approval will be void and the plans and information required under 18 AAC 80.210(a) must be resubmitted for Department review and approval.

If you have questions, you may contact me by telephone at 907-451-5032 or send email to shawna.laderach@alaska.gov or contact Johnny Mendez by telephone at 907-451-5193 or send email to johnny.mendez@alaska.gov.

Sincerely,



Shawna Laderach
Environmental Engineering Associate

Attachment: Construction and Operation Certificate

cc: Glenna Parrish, City of Buckland
Debra Addie, P.E., DEC VSW, Anchorage
Bill Smyth, DEC Wastewater, Fairbanks
Johnny Mendez, P.E., DEC Drinking Water, Fairbanks

