

Raymond - South Bend Regional Wastewater Coordinating Committee

300 First Street • Raymond • WA 98577 •

RWCC REGULAR MEETING Raymond City Hall November 17, 2011 - 5:30 PM

The meeting was called to order by Chairman Eric deMontigny at 5:45 PM. In attendance were Eric deMontigny, Patricia Neve, Jerry Bowman, Kirk Church, Kathi Read, John Dunsmoor, John Dunsmoor, Jay Swift, Dean Parsons, Will Scott, and Bob Jungar

- Introductions
 - Will Scott with G&O was introduced to the group.
- Review and approval of October 13 2011 meeting minutes
 - A motion to accept the October 13 minutes was made by John Dunsmoor, seconded by Jason Dunsmoor, and passed unanimously by the group.
- Conveyance Project Closeout
 - Landis and Landis warranty issues:
 - This project has been signed off on by South Bend; however, Kirk has concerns about some irregularities. He and Jay met to discuss the severity of the issues and possible solutions. Warranty period is 2 years from substantial completion. Substantial completion was issued on May 27, 2011 so it will end on May 27, 2013. The Performance Bond remains in force for 2 years after substantial completion (through May 27, 2013). Raymond has no issues.
 - South Bend Pump Station #3
 - It appears that water has been pooling at the door. While the amount of water is barely measureable it still raises a concern.
 - There are four cracks in the concrete floor. They are small, “spidery” cracks and may be stress cracks or shrinkage cracks. The cracks were examined by G&O’s structural engineer and in his judgment they are not structurally significant. Two lifts were poured and it is not known if the cracks are on the top lift only or if they go through to the bottom lift as well. G&O’s structural engineer will monitor throughout the rest of the season and take another look after winter.
 - The guard rail is pulling away from the building a bit, apparently due to differential settlement of the wet well. G&O will look into finding a different way to attach it to the building.
 - The valve vault appears to have settled. Will Scott has been monitoring this area and that monitoring will continue.

Raymond - South Bend Regional Wastewater Coordinating Committee

300 First Street • Raymond • WA 98577 •

- The wet well has settled about ½ inch and there is a question about whether the pipe joints can handle the settling. Dean directed G&O to recommend methods to monitor settlement, including hiring of a survey firm to measure elevations of the structures over time. Continued settlement will require G&O to consult with its geotechnical sub-consultant.
- Subsidence areas along pressure sewer alignment:
 - A sink hole remains on Highway 101 at the denture shop in South Bend. Landis and Landis originally dug the hole and were asked to fix it; however, no repairs have been done.
 - As reported in the September 2011 minutes, a sink hole developed at Alder Street, which was subsequently backfilled by the City of South Bend, but remains to have the asphalt patched. The area is adjacent to a manhole that was near the alignment of the new pressure sewer and subsidence was not noted before construction began. Apparently Landis and Landis contends that it is not their responsibility. Because the issue required immediate correction, Steve Russell had the excavation and backfill work done, and later agreed to share the cost for the asphalt patch between the City, Landis and Landis, and G&O. Kirk indicated that although the City had some heartburn about doing so, they would honor Steve's agreement. The City's share for the patch is about \$200, which is a relatively small cost compared to the effort required to attempt receiving payment from the contractor. The City was cautioned to avoid making repairs on its own unless absolutely necessary during the warranty period, however, that the City had already completed this work.
- South Bend School Pump Station
 - The electrical panel at the recently installed school pump station requires corrective action. It does not appear to be properly secured. While supported by two pieces of aluminum channel it still has some sway. G&O's design team feels it is adequate; however, Kirk feels that a \$30 million project deserves better and it should be fixed regardless of the design team's opinion. Kirk and Jay feel it could benefit from one extra large support or two smaller ones. This condition requires immediate attention as it is at the school and could be a potential hazard.
- Jay is to start a potential warranty items list for tracking issues and coordination with the contractor.
- G&O deliverables (O&M Manual)
 - Hard copies of the O&M manuals were delivered two weeks ago. Four copies were sent to each city. Raymond indicated that some sections were missing. G&O will check.

Raymond - South Bend Regional Wastewater Coordinating Committee

300 First Street • Raymond • WA 98577 •

- The cities will arrange for document placement in the pump stations, whether it be a table or a mechanism for hanging.
 - The manuals will be reviewed by Dean, including South Bend's per the request of the RWCC. After review and incorporation of the comments, the documentation will also be provided to the cities in electronic format (PDF and native software [AutoCAD, Word, Excel, etc.]).
- I/I project update
 - State DOT approvals – Highway 101 crossing near McDonald's
 - DOT has approved the plan. Buzz located the easement for the original sewer facilities.
 - McDonald's has given verbal approval for the new construction and is awaiting written from its legal department.
 - The relocation of the manhole eliminated some easement issues with McDonald's in that impact to their business was substantially reduced. No project money is going to McDonald's.
 - Construction progress to date
 - Third Street completed in South Bend. The School pump station is finished with the exception of the electrical panel issue identified above
 - Work in the area of Willapa and Garfield in Raymond (Riverdale Park) is complete and paved. The sewer line there was found to be in pretty bad shape and was likely a large source of I/I.
 - A broken pipe was discovered in the PS11 area. The repairs were added via a change order.
 - Sealtec is working on pressure grouting three manholes and PS4.
 - G&O submitted a revised budget for DOE. There was some resistance to add the McDonald's work but G&O has received verbal agreement. They are awaiting paperwork.
 - There is some concern by DOE of the change order for work west of Fowler. They are concerned that the bore hole is too close to the river. Tammy McClure had concerns about the magnitude of the change order but has signed off on it.
- Regional WWTP Project Update
 - Construction progress
 - Will Scott distributed a set of photos showing progress. The secondary clarifier #2 recently passed a 4-day water test. The water will be stored there until the digester cells are ready for testing.
 - All aeration basin and aerobic digester foundation slabs have been poured.
 - Forms are being placed for the second aeration basin wall pour. The concrete pour looks good, according to G&O.

Raymond - South Bend Regional Wastewater Coordinating Committee

300 First Street • Raymond • WA 98577 •

- G&O reported that Rognlin's anticipates that all the wall pours will be completed by mid-February.
 - Ground water is being controlled by pumping from sumps located in the project excavation.
 - Rognlin's has arranged with the Port (Rebecca Chaffee) to utilize some idle storage areas where clarifier mechanisms can be painted and stored. That work will be complete by the end of next week and the parts will be stored until required sometime in the spring.
- Payment status
 - There was a change to the CM portion of the outlay report that requires approval from RD.
 - Payments to Rognlin's are on schedule.
 - Will use a portion of outstanding grant funds for Central Avenue project.
- Change orders and potential construction issues
 - There are no new construction issues or change orders pending.
- Schedule
 - Rognlin's is for the most part keeping to its most recent schedule. They were granted two additional weeks because of weather and the by-pass piping work.
 - Pre-startup meetings are scheduled for next fall.
 - The new plant is expected to be up and running about this time next year.
 - Liquid stream startup is expected to occur in the last quarter of 2012.
 - Substantial completion date has been set for March 11, 2013.
 - Cleanup activities are expected to take place until about June 2013..
- Quality
 - Quality looks good.
 - Totem has installed the first part of the conduits. They have two employees on site prebuilding electrical panels, disconnects, piping, and control switches
- G&O deliverables (engineering report [tech memo compilation], control descriptions)
 - G&O provided six copies of technical memoranda consisting of all technical memos issued to date.
 - Two additional copies will be sent to each city.
 - Three electronic copies of the memoranda will be issued: one to each city and one to the RWCC secretary.
 - There will be an O&M manual upon project completion.
- Regional Project Accounting Spreadsheet Update
 - G&O presented updated spreadsheet
 - \$4.045 million has been allocated to Phase 2B to include decommissioning, odor control, facility plan conveyance (including Central Ave)

Raymond - South Bend Regional Wastewater Coordinating Committee

300 First Street • Raymond • WA 98577 •

- Remaining contingency amount of +/- \$1.24 million could be available for Phase 2B projects as well as lab equipment, computers, network switches, etc.
- Discussion / planning for initiation of annual budgeting process
 - G&O is soliciting information on operating and maintenance costs from other plants of similar size and type. Five comparisons were submitted to Dean for review. It appears that previous estimates are appropriate and conservative.
- Discussion of Update of Intergovernmental Contract and/or RWCC Bylaws
 - Status of approval by councils
 - South Bend City Council has approved the requested changes to the IGC and Bylaws.
 - Next steps
 - Present changes to the Raymond City Council for its approval next Monday, November 28, 2011.
- Biosolids removal / lagoon decommissioning evaluation engineering services proposal from G&O
 - South Bend
 - G&O Scope of work:
 - Biosolids sampling plan to determine amount of biosolids in the lagoons and analysis to determine nutrients including organic and inorganic nitrogen, nitrite, ammonia, and TKN
 - Jay suggested a composite sample; however, Eric prefers collecting three samples from three locations. This would add approximately \$1,000 to the proposal.
 - Review alternatives for decommissioning and site restoration and provide a recommendation.
 - Prepare cost estimates based on updated biosolids quantities.
 - Review Weyerhaeuser lease agreement with City of South Bend. Contact them regarding final disposition of the site and termination of the current lease agreement. Summarize information obtained from Weyerhaeuser if received.
 - A motion to accept the proposal for \$9,841 plus the additional \$1K for sampling was made by Patricia, seconded by Jerry, and carried by the RWCC.
 - Also required, but not part of scope of work, is analysis of samples for volatile solids reduction, metals, and fecal coliform. (Previous testing has shown this sludge to be low in metals and pathogens.)
 - Although removal is approximately 1-1/2 years away and amounts will change, questions that need answers are:
 - How will lagoons to be dewatered?

Raymond - South Bend Regional Wastewater Coordinating Committee

300 First Street • Raymond • WA 98577 •

- Where will the biosolids go?
 - How much will it cost to remove all of the material?
- Raymond
 - G&O Scope of work
 - Calculate total quantity of biosolids in the six treatment lagoons based on samples and measurements collected in 2008 and 2010 and provide recommendation for the preferred alternative. Polishing ponds were sampled and quantified in 2009.
 - Review decommissioning alternatives and provide a recommendation.
 - Prepare cost estimate for relocation of the west polishing pond biosolids on site at agronomic rates and for disposal of the remainder with the aerated lagoon biosolids.
 - Prepare cost estimate for preferred alternative for decommissioning the Raymond WWTP and disposing of the aerated lagoon biosolids based on the updated biosolids quantities.
 - A motion to accept the proposal for \$3,528 was made by John, seconded by Jerry, and carried by the group.
 - Also required, but not part of the scope of work, is the collection of samples and measurements from the lagoons and final design of biosolids removal and lagoon decommissioning.
 - Although removal is approximately 1-1/2 years away and amounts will change, questions that need answers are:
 - It's a given that the biosolids are destined for a landfill somewhere: Where, who will transport, and how much will it cost?
 - Can we dewater the solids with our own equipment? Can we use the new plant equipment to perform dewatering?
 - Can Rognlin's distribute solids around the plant? It's estimated that 80% could be spread with 20% going to a landfill.
 - Central Avenue sewer design proposal
 - The location of the aging 0.4-mile (2,000 feet) sewer line within the flood storm arch creates some unique challenges and raises questions:
 - The storm sewer experiences high flows and high tides most of the year
 - There is difficulty in using a TV camera within the sewer line because of access and the presence of obstructions. (This is Dominic Miller's preference.)
 - Another option would be to float the camera on an inner-tube down the storm arch. There may be difficulties with this approach because of internal obstructions. Possibly secure apparatus with a line fore and aft? Janet Cherry likes this idea.

Raymond - South Bend Regional Wastewater Coordinating Committee

300 First Street • Raymond • WA 98577 •

- Water level is down in July and August and a person can walk through at the right tide.
- Can we send a diver? Probably too murky.
- As this is iron ductile pipe can we use metal detectors to find side sewers?
- Inflation adjusted cost to replace line is ~\$1 million, based on a preliminary estimate completed for the 2007 Facilities Plan. G&O is to adjust preliminary costs for identified alternatives.
- Authorization of funding for final design effort deferred until the investigation is complete.
 - Divide project – authorize tasks 1 through 5 (investigation), with some additional money for adaptive management during the investigation.
 - Add budget for potholing in case remote means do not work
 - Deal with the final design scoping and budgeting at a later date. Need time to sort things out.
- Other
 - SRF Loan Repayment Schedule: Jay distributed a revised repayment schedule.
 - With ~\$4 million left in grant funding in the WWTP construction project we probably do not want to use the remaining SRF money (at 1% interest); however, it is expected to be re-appropriated and if we do want to use it we need to let Ecology know by the end of the year.
- Set next meeting
 - December 15, 2011 – 5:30 PM – Raymond City Hall
- Adjourn
 - 8:00 PM