

NAVAJO-GALLUP WATER SUPPLY PROJECT
PROJECT CONSTRUCTION COMMITTEE MEETING NO. 62
THURSDAY, February 1, 2024, 9:00 AM
In-Person and via MS-Teams
SUMMARY

- 1) Review and approve agenda (Reclamation)
- 2) Review October 26, 2023 PCC Meeting Summary (Reclamation)
- 3) Review of PCC Action Item List (Reclamation)
- 4) Other Related Navajo-San Juan NM Settlement Issues (BIA/Navajo Nation)
 - a. Conjunctive Groundwater Use Plan
 - b. San Juan River Navajo Irrigation Projects

CONSTRUCTION UPDATE – See Slides

- 5) Block 4C-8 (Reclamation)
- 6) Pumping Plants No. 4 and 7 (Reclamation)
- 7) Navajo Code Talkers Sublateral (Reaches 12.1/12.2) (Reclamation)
- 8) Pumping Plants No. 2 and 3 (Reclamation)
- 9) Block 4A/4B (Reclamation)
- 10) Reach 27.7B (Gallup)
 - a. HDD for gas lines requires a \$2 million change order to avoid open cut
 - b. Transwestern Pipeline and Marathon are requiring HDD to cross an existing gas line
 - c. Construction is on schedule, about 70% complete

SAN JUAN LATERAL- ISSUES / DESIGN UPDATE

- 11) S. 1898/ H.R. 3977 - Navajo-Gallup Amendments
 - a. Awaiting a house hearing
- 12) San Juan Lateral Intake (aka Reach 1) – Status/Schedule (Reclamation)
 - a. VP Accountability Summary (Sterling)
 - i. VP Study completed week of 12/11/23
 1. Proposed work be completed under four contracts:
 - a. Temporary pumps at River Pumping Plant (new)
 - i. 30% Statement of Objectives complete
 - ii. Award summer 2024 with installation in fall 2024
 - b. Reach 1 Pipeline Repairs and Modifications
 - i. Work will begin after reservoir is filled, using temp pumps
 - ii. Review C planned for May 2024
 - iii. Award end of 2024
 - iv. Construction start early-2025
 - c. Frank Chee Willetto Dam & Reservoir
 - i. Tentative schedule:
 1. VE Study Summer 2025
 2. Review C Spring 2026
 3. Award early-2027
 - d. River Pumping Plant and Intake Contract (existing)
 - i. Design schedule being finalized
 - ii. Estimate costs will be included in the next update of the Working Cost Estimate (anticipated complete by Apr 2024)
 - iii. Requirement to deliver water to PNM was included in agreements when SJGS facilities were acquired
- 13) Block 2-3 – Status/Schedule (Reclamation)
 - a. Realignment (Moncef)
 - i. Rd 6800
 - ii. HDD up Nenahnezad Hill

- b. Splitting Blk 2-3 into two separate contracts:
 - i. HDD - 90% design April 2024
 - ii. Pipeline - 90% design May 2024
 - c. ROW - plats for all private properties (except PNM Dunlap Farms), ESA Phase I completion is expected Feb 2024 for request of appraisal
- 14) SJL Pumping Plants – Status/Schedule (Reclamation)
- a. Pumping Plant #1
 - i. VE Proposal Review (Ryan)
 - ii. PIN 032 to be modified for pump number
 - iii. Design Update – 60% design comments due by 01/30/24
90% design ETA 07/12/24
 - iv. ROW application expected May 2024, ESA Phase I completion expected Feb 2024
- 15) Reach 27/Pumping Plant #8 – Status/Schedule (City of Gallup)
- a. PP8
 - i. Have a PIN that allows the City to build the pumping plant
 - ii. Water blending is being considered
 - iii. Topo survey is being completed
 - iv. Some equipment from Tohlakai that is no longer being used will be utilized at PP8
 - b. 27.12
 - i. 60% in June 2024
 - c. 27.11
 - i. In closeout process
- 16) Tohlakai Pumping Plant
- a. Interim Groundwater Delivery from Twin Lakes Well (Navajo Nation/USBR/City of Gallup)
 - i. Modification in process to install backflow preventor on 12A
 - ii. Should be complete by May 2024
 - iii. Coordination will be required to deliver water to the City
 - iv. USBR to send cutsheets prior to installation
- 17) Reach 14 (Indian Health Service)
- a. Reaches 14.1 and 14.2 – Status/Schedule
 - i. R14.1
 - 1. IHS meeting with USBR to discussion updating the NEPA
 - 2. Access to the storage tank currently on-hold so construction has not started
 - 3. May encounter construction-start issues when considering endangered species in the area
 - ii. Potential upsizing of R14.2 (IHS/SMA)
 - 1. Upsizing would serve Rio Sante Fe Basin which is outside the authorized service area of the NGWSP and is being paid for by the Navajo Nation
 - 2. Mtg early-January
 - 3. IHS to respond to Jason John request regarding the potential upsizing
 - 4. Necessary to cross one private parcel, mtg scheduled late-Feb to discuss possible ROW, this is required for upsizing
 - b. Reaches 14.6a, 14.7a, 14.8a – Status/Schedule
 - i. Options for moving ahead (Sterling)
 - 1. NNDWR to consider and respond regarding decision to move forward
 - 2. May be benefits of having Reclamation design and construct as this is the end of the system and consideration of water quality
- 18) BBN9 – Status/Schedule (Navajo Nation/SMA)
- a. R10.2.1 – Just received TAA approvals
 - b. BBN9 design and R14.2 upsizing were intertwined as one of these needed to be upsized
 - c. Once R14.2 routing is confirmed, then design work on BBN9 can resume
- 19) San Juan Lateral Community Connections
- a. Turnout Vaults (Reclamation)
 - i. USBR has been working with SMA regarding equipment that will be included in vaults
 - ii. Check valves being installed at turnouts, downstream pipe being considered

- iii. PIN 22.3 to be updated to PIN 22.4
- b. Community Transmission and Treatment (Navajo Nation/SMA)

CUTTER LATERAL

- 20) Construction and OM&R Update (Reclamation/NTUA/Navajo Nation)
 - a. Operations – General
 - i. October water production average: 336 kgal/day
 - ii. November water production average: 324 kgal/day
 - iii. December water production average: 344 kgal/day
 - iv. Transmission line leak repair completed just before Christmas
 - v. A leak was reported by a nearby homeowner.
 - vi. On investigation found two leaks immediately adjacent to each other
 - vii. WTP was paused and distribution system groundwater wells were returned to service
 - viii. Repairs made overnight
 - ix. Transmission line returned to service
 - x. No service interruptions
 - b. Water Regulatory/Quality
 - i. Aluminum Chlorohydrate Coagulant (ACH) proposal
 - 1. Jacobs revising proposal based on comments from BOR & NTUA
 - ii. NMED request for sampling locations and water quality sampling/testing data in Cutter distribution system (NTUA)
 - 1. Awaiting 2023 Q4 DBP results
 - 2. Coordinating refresher training for sample collection and adding parallel free and total chlorine residual testing.
 - c. Area Wide Optimization Program (AWOP) - (NTUA)
 - i. Quarterly update held 17-January to review water quality results.
 - ii. Turbidity reading are affected by sample timing. Adjustments were made with improved readings, now indicating below AWOP goals.
 - d. Water Treatment & Conveyance Contract (Jicarilla/NTUA)
 - i. NTUA has made edits to the contract at the request of Jicarilla, and they are under their review for finalization.
 - e. Jicarilla Connection Update (Jicarilla)
 - i. Completing the end of the connection
 - ii. Currently delivering water to the Teepee Junction Area
 - iii. Will be delivering to residences soon
 - iv. Chlorination building will be complete this summer
 - f. Reach 21 Booster Plant (Reclamation)
 - i. Design Update – 60% design expected April 2024.

WATER TREATMENT

- 21) Regulatory Coordination (Reclamation)
 - a. Disinfection Byproducts (Steve Dundorf)
 - i. San Juan Water System
 - 1. Performing residence time modeling
 - 2. Developing a second DBP formation curve with known bromide concentration
 - b. Blending & Corrosion Control (Steve Dundorf)
 - i. San Juan & Cutter Water Systems
 - 1. Pursuing pilot testing at CLWTP to benefit both water systems
 - 2. Continued work with water quality results analysis, coupon testing, and modeling water
 - 3. Modeling will include all locations where there may be DBP issues
USBR to send information to Yolanda Barney as requested
New Gallup well is also being considered in blending study at PP8
- 22) San Juan Lateral Water Treatment Plant (Reclamation)
 - a. Water Quality BOD
 - b. Procurement Update
 - i. Reclamation has pushed back selection of bidders a month – From Feb 15 to Mar 15. Award will be in June, at which time the selected design-build firm will work to complete design submittal packages and procurement of critical equipment,

PROJECT WIDE

- 23) Upcoming PINs / Modified PINs (Reclamation)
- a. PIN 022.4 – Add Startup Flows for SJLWTP
 - b. PIN 027.1 – Cutter Turnout Flows – finalized and being prepared for signature
 - c. PIN 034 – SJ Lateral Storage
 - d. PIN 038.1 – In-Tank Chlorination Systems, Water Quality Sampling, Pre-use Monitoring, and Tank Penetrations
 - e. PIN 039.1 – SJLWTP Site Selection – ready for signature
 - f. PIN 049 – Pumping Plant #1 Location – Is this PIN needed? If so, could it be a modification to the intake PIN 047
 - g. PIN 050 – San Juan River Pumping Plant
 - h. PIN 051 – San Juan Lateral Water Treatment Process Decision
- 24) Cultural Resources Compliance – Project-Wide (Reclamation)
- a. CRC's: 10.2.1 was completed November 2023; 24.1 Lybrook draft CRC is currently under review; 10.1, and 10.2 CRCs are currently being drafted.
 - b. New Tribal Construction Monitoring contractor (Stampede) was hired and is starting monitoring now.
- 25) Environmental Compliance – Project-Wide (Reclamation)
- a. CWA Section 404/401 permitting was completed for Reach 27.12 December 2023
 - b. WCAO has determined Stream Duration Assessment Method (SDAM) forms will need to be prepared for future locations that do not involve Waters of the United States (WOTUS), as defined under the amended 2023 rule.
 - c. SDAMs will be submitted to USACE, and they will send email confirmation that a 404 permit is not required.
 - d. Contractor is currently putting together SDAMs for BBN9 reaches: 10.1, 10.2, 10.2.1, 10.3 and 10.3.1, as these reaches only involve ephemeral wash crossings that would not meet the definition of WOTUS under the amended rule.
 - e. Meeting with New Mexico Environment Department (NMED) and EPA Region 6 was held on January 23, 2024 to discuss Clean Water Act Section 402 permitting needs in Reach 1.
 - f. multiple NPDES permits are potentially needed, some of which may involve a lengthy permitting process (estimated to take 6 months to 1-year once design is complete and permit is submitted to EPA).
 - g. Next revegetation contract that we are going to work on is 4c-8.
- 26) Power Transmission (NTUA)
- a. San Juan Lateral Status (NTUA)
 - i. Power to Pumping Plants #4 and #7 – Feb 1 and 16, 2024
 - ii. Power to Block 9-11 Rectifiers
 - iii. Power to Block 4C-8 Rectifiers
 - iv. 115kV Powerline Construction
 1. NTUA is ordering long-lead items well in advance
 2. USBR and NTUA meeting monthly
 - b. Power Supply Agreements
 - i. Working with NTUA and WAPA on amendment to the agreement to build the transmission system, amending to include additional costs
 - ii. Will return to power supply agreement following transmission system agreement modification
 - c. Renewable Energy Feasibility Study w/NREL (Navajo Nation/WCAO)
 - i. Report finalized
- 27) SCADA/Cybersecurity (Reclamation)
- a. Cutter Lateral (FISMA compliance)
 - b. San Juan Lateral (Reach 14 Radio Communications)
- 28) Budget (Reclamation)
- a. FY2024 Construction Budget:
 - i. Mandatory - \$164,000,000
 - ii. Discretionary - \$0

- b. City of Gallup Credit Request Status
 - c. 1st Quarter FY2024 Bills
- 29) Information Sharing / Public Outreach (Reclamation)
- a. Quarterly Newsletter
 - b. Construction Outreach
- 30) Action items and assignments (Reclamation)
- 31) Schedule next PCC meeting – April 25, 2024 – in-person with virtual option