

**NAVAJO-GALLUP WATER SUPPLY PROJECT  
PROJECT CONSTRUCTION COMMITTEE MEETING NO. 46  
THURSDAY, MAY 30, 2019 9:00 AM El Moro Events Center – Gallup NM  
Conference line number: (866) 784-6450, Passcode: 9982265#  
FINAL SUMMARY**

- 1) Review and approve agenda (Reclamation)
- 2) Approved February 21, 2019 PCC Meeting Summary
- 3) Reviewed PCC Action Item List
- 4) Other Related Navajo-San Juan NM Settlement Issues (BIA/Navajo Nation) – *see BIA powerpoint presentation*
  - a. Conjunctive Groundwater Use Plan
  - b. San Juan River Navajo Irrigation Projects

**CONSTRUCTION UPDATE** – *see powerpoint presentations*

- 5) Block 9-11 (Reclamation)
- 6) Reach 22B (Reclamation)
- 7) Reach 21 (Reclamation)
- 8) Reach 24.1 JAN; Reach 26.1/26.2/26.3 (Navajo Nation)
- 9) Reach 27.6 (Gallup)

**SAN JUAN LATERAL- ISSUES / DESIGN UPDATE**

- 10) San Juan Lateral (Reclamation)
  - a. Connection Plans (Navajo Nation) – still working on securing funding from Conjunctive Groundwater funds. Also looking at other sources of funding. Working w/ chapters on applying for State funds. Sanostee has been selected for \$90K funding for design.
  - b. PER's status updates – 4 remaining PERs drafted; will be submitted later this summer: Chichiltah/Red Rock, Pinedale/Mariano Lake, Rock Springs, and Twin Lakes.
  - c. Construction of Turnouts – Pulled these out of pipeline and pumping plant contracts. Concept is that all features for turnouts (flow meter, butterfly valves, backflow prevention, etc.) will be housed in a building with space for Navajo Nation to install any necessary water treatment equipment.
- 11) Block 4C-8 – Status/Schedule (Reclamation)
  - a. Design & Procurement Update – 100% Design (SpecB) milestone was completed on 3/15/19 and a final revised SpecB package was issued on 5/21/19 for the upcoming solicitation. An IFB Solicitation is planned to hit the streets around June 17th with Award in September.
  - b. ROW Update – All ROW is across Navajo Tribal Trust land; ROW application was submitted to the NNLD on 7/2/18 along with a courtesy copy to BIA Shiprock. The package received NN RDC consent on 4/24/19. Reclamation is awaiting the official consent letter from the President's office to be able to submit the ROW application to BIA.
    - i. Reclamation completed the agreement with NN and NMDOT for having small sections of Reach 4c, 6, 7, and 8 ROW with Highway 491 ROW. We will be submitting Utility Permit applications for permitting and technical approvals to Jason John by the end of next week as the NN will be a co-signee on the application.
    - ii. Reclamation submitted ROW application for temporary construction easements for 2 staging areas for construction on 5/3/19; one on Reach 6 and the other on Reach 8.
- 12) Navajo Code Talkers Sublateral (Reaches 12.1/12.2) – Status/Schedule (Reclamation)
  - a. Design Update – SpecB (100% Design) milestone was met in June 2018. On the shelf as ROW is acquired. Solicitation: Planned for November 2019 to allow time to complete ROW acquisition on Reach 12.1. Contract Award: March 2020. 2 NTPs will be issued: one for Reach 12.1 and one for Reach 12.2 and Black Hat Tank

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- i. Construction could begin in April/May 2020 (subject to Contractor schedule)
    - b. ROW Update
      - i. Reach 12.1 – All non-private ROW has been obtained. Two private parcels have been acquired; still negotiating on five others.
      - ii. Reach 12.2 – All-non-private ROW has been obtained. On private parcels, final plats are completed and waiver land valuations are being wrapped up for formal offers. Reclamation will need to apply for NMDOT Utility Permits at 5 locations of the Reach 12.2 pipeline in the Highway 264 ROW where alignment will fall within NMDOT ROW.
- 13) SJL Pumping Plants – Status/Schedule (Reclamation)
- a. Pumping Plants #4 & #7
    - i. Design & Procurement Update – Spec B (100%) plans and specs completed in September 2018 and then put on the shelf till summer 2019 to incorporate changes necessitated by Block 4c-8 and the two, potentially three turnouts in the plant yards for those projects. Solicitation is scheduled for May 2020 with award in August 2020.
    - ii. ROW Update – All ROW is across Navajo Tribal Trust land. ROW granted by BIA 1/16/2018 for PP #7, which is also acting as a staging area for the Block 9-11 construction. Reclamation will be submitting an amendment to the ROW grant in June to cover some minor changes between the original plat and final plant design. The plat for PP #4 will be developed and submitted to NNLD by the end of June .
  - b. Pumping Plants #2 & #3
    - i. Design & Procurement Update – Final design was started in late summer 2018. 30% design milestone (ConceptC) was completed in early May and Bill Fellman sent out the plans for review on 5/3/19. Comments requested by 6/21/19. Shortened 2-3 day VE Study focusing on the sites and less on the buildings is scheduled for the week of June 24th in Farmington. Solicitation is scheduled for January 2021 with Award in May 2021.
    - ii. ROW Update – All ROW is across Navajo Tribal Trust land. The plats for both pumping plants will be drafted later this year and submitted to the NNLD in the November/December timeframe.
- 14) Block 2-3 – Status/Schedule (Reclamation)
- a. Design & Procurement Update – FCCO sent out the 60% design spec package for review yesterday (2/20/19). Comments were requested by 3/22/19, and with no comments received by April 1, 2019 Reclamation moved forward to the SpecD milestone which is planned for 8/5/19, and the ReviewC meeting scheduled for the week of September 16th at FCCO. HDD Consultant hired to review and provide recommendations on HDD plans and specs, and geology data collection for both the San Juan River and Chaco Wash crossings. Reclamation will be meeting with the contractor in late June and then incorporating recommendations in the 90% design.
  - b. ROW Update – All ROW is across Navajo Tribal Trust land. The plats for both reaches are currently in final review at FCCO and will be submitted to NN in mid-to-late June.
- 15) Block 4A-4B – Status/Schedule (Reclamation)
- a. Design & Procurement Update – FCCO provided preliminary plan and profile drawings to TSC 4/15/19. The ConceptC (30% design milestone) is planned for 7/8/19 and the VE Study will take place the week of Sept. 9th at FCCO. Contract award is 2 years out in spring 2021.
  - b. ROW Update – All ROW is across Navajo Tribal Trust land. FCCO will draft plats this summer after the VE Study with plans to submit to NNLD by October.
- 16) Reach 27 (City of Gallup) – Status/Schedule –SEE MARC’S NOTES ON SCHEDULE

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- a. 27.9 – Pre-construction meeting June 11, 2019; Completion 12/31/2019.
  - b. 27.10 – Advertise 1/2020
  - c. 27.11 – Advertise 1/2021
  - d. 27.12 – Advertise 1/2022
  - e. 27.7B – Advertise 1/2023
- 17) Reach 14 (Indian Health Service)
- a. Reaches 14.1 and 14.2 – IHS has addressed Reclamation and NTUA comments on 90% design. Reclamation needs to review IHS responses. Relocating Churchrock Tank to mitigate surge issues – working on new ROW application. Working w/ Reclamation (WCAO) on 404 permit. Need to submit by end of June. Cultural monitoring will be required on 14.1 and 14.2; IHS working on identifying contractor.
    - Schedule: Design completed – end of July 2019; construction start Jan 2020
  - b. Reaches 14.6a, 14.7a, 14.8a – Waiting for NEPA completion. IHS evaluating preliminary design.
    - Schedule: October 2021 construction start

**WATER TREATMENT**

- 18) Regulatory Issues (Reclamation)
- a. Next Regulatory Meeting scheduled for 6/19/2019
    - i. Agenda items include: get feedback from EPA on internal mtg; get comments on White Paper; status of MOU among regulatory entities.
  - b. Status of White Paper – sent out latest draft for review.
  - c. EPA Region 9 would like to come out and provide Surface Water Treatment Training to anyone interested – late summer/early fall.
- 19) Intake Structure (Reclamation)
- a. Design Status
    - i. TSC completed the 30% design milestone in late March and Dex Lewis sent out the plans for review on 4/1/19. Comments originally requested by Friday, but will be extended to next Friday, June 7th to ensure everyone has time to comment. Work includes assessing the projected the total suspended sediment load that will overflow the intake weir structure at the Hogback. VE Study is planned for the week of 6/3/19 at FCCO.
  - b. Facility Condition Assessment/SJR Physical Model/Pilot Study for Plate Settler - The Hogback Facility Condition Assessment is being finalized and will be shared with Project Participants in June. Consensus was achieved among all of the Project Participants with a focus call on 5/17/19 with the decision to move forward with the Option 1 trashrack but modify it to include the guides that would enable a retrofit to Option 2 with bulkheads/plates should that be desired in the future.
  - c. Testing for the Physical Model of the SJR Hogback Diversion Dam was completed in early February and a Tour was given to the Project Participants on 2/6/19 at the TSC lab in Denver. Good feedback received, especially from Marlin Saggboy on how the model simulated debris flows and the impacts of operating the canal and sluice gates. Recommendations for a combined rock groin upstream of a reinforced log boom immediately upstream of the headworks are forthcoming in a final report next month.
  - d. Pilot Study for Plate Settler - Reclamation awarded a contract to HDR for the Pilot Plate Settler in early April and HDR mobilized to the site in early May. They have the plate settler and control unit installed and are working on bringing it power. Hope to have it operating towards the end of next week, which may coincide with the peak runoff on the SJR. Pilot to run through the end of monsoon season September 2019. If viable, Plate Settler design will be incorporated into SJL Intake specs prior to bid solicitation
  - e. 404(b)(1) Status – nothing new to report.
  - f. Water Quality Monitoring/Analysis Update - USGS is continuing to collect data at both the Fruitland Bridge and the Hogback Diversion (during irrigation season) and sharing

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that information with Reclamation, which is summarized in the quarterly water quality reports on the NGWSP SharePoint site. Weekly grab sample monitoring continues at Hogback Diversion headworks.

- i. PNM Facilities Fatal Flaw Analysis - Reclamation is wrapping up fatal-flaw analysis – briefing internally. General summary of findings: SJGS has a lot of potential positives (mainly from operations), but also has scheduling and timing issues (i.e., with legislative deadline, SJLWTP contract; Hogback Intake). There is pending legislation (unrelated to this specific issue) that provides funding to federal government to acquire existing facilities.

20) San Juan Lateral Water Treatment Plant (Reclamation)

- a. Design-Build Contract Pre-Solicitation – Reclamation has made the decision to go with the progressive design-build delivery model, rather than traditional design-build, incorporating the Lessons Learned from the CLWTP. Technical Criteria Package will be completed the end of July, along with an updated Cost Estimate and Risk Assessment. Pre-solicitation will be issued in mid-August and Solicitation is planned for mid-September.
- b. Schedule Update: 2-Phase Selection Process – RFQ Solicitation to be issued in mid-September. Responses due in late October and Reclamation will narrow down to 3-short listed firms in November. RFP issued then. Proposals will be due in February 2020. Oral Interviews will be conducted and Award will be made in late April 2020. Design will start immediately thereafter.
- c. WaterCAD Water Age, Start-up Flows, and DBP Bench Test Update – Reclamation hosted a WaterCAD team meeting in Denver on 2/7/19 to discuss incorporating the NTUA and CoG distribution systems and an initial look at Water Age based on Reclamation’s BOD Flow Report. Reclamation is finalizing the Flow BOD report needed to move forward with the Residence Time Evaluation. NN/NTUA comments? Reclamation has completed DBP Bench Testing of 4 samples collected from monsoon runoff, spring runoff, and low turbidity low river flow. The draft report has been completed with recommendations for mitigating DBPs at the WTP and in the downstream distribution systems. The report is under review in FCCO and will be made available to Project Participants in early June.

**PROJECT WIDE**

21) Identification of Design Issues to Consider for Issue-Specific Design Focus Calls (PCC)

- a. Focus Call List and Upcoming Focus Calls to be Scheduled
  - i. SJL Turnout Design
  - ii. Reach 14 SCADA (NTUA/IHS) – focus call to be scheduled for July 2, 2019.

22) PINs / Modified PINs

- a. PIN 027.1 – Cutter Turnout Flows – update to show startup flows (Handout)
- b. PIN 043 – Cutter Lateral Water Treatment Process (Handout)
- c. PIN 044 – Cutter Lateral Water Treatment Plant Maintenance Software (Handout) – Reclamation will work with Jacobs to provide annual software license fee to PCC. Start-up and first year cost likely in the \$75k-\$100k. Update the draft PIN and provide 2 weeks for review and comment.

23) Upcoming PINs / Modified PINs

- a. PIN 038.1 – In-Tank Chlorination Systems, Water Quality Sampling, Pre-use Monitoring, and Tank Penetrations.
- b. PIN 021.1 – SCADA (will follow Feasibility Study Update)
- c. PIN 022.4 – Add Startup Flows for SJLWTP
- d. PIN 031.1 – Reach Nomenclature will need updated
- e. PIN 034 – SJ Lateral Storage – revisit due to phasing

24) Cultural Resources Compliance – Project-Wide (Reclamation)

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- a. PA Workgroup Meeting held on May 9th, next one scheduled for July (date not yet set)
- b. Continuing discussions for overall project mitigation measures to address adverse effects to TCPs, cultural landscapes, etc. Smaller working group is meeting on June 3rd to move a proposal forward.
- c. TCP Studies recently awarded to Acoma & Jicarilla, with Santa Clara's awaiting final signature. Moving forward on awarding a FAA to NNHHPD.
- d. Phase I mitigation on Reach 4c-8 scheduled to start in early June. Mitigation contract was awarded to SRI. Mitigation work set to be complete by October ahead of scheduled construction.
- e. Mitigation on Code Talker Lateral (12.1 & 12.2) still on hold until private land access is addressed. Expect to resume work later this summer.
- f. Reclamation's is preparing to contract for cultural surveys on Reach 14.6a, 7a, & 8a. Expect surveys to take place in late summer/fall 2019.
- g. Tribal Construction Monitoring Program is up and running. Have fielded monitors out on Reach 26.2. TCMP program manager is working with participating tribes to identify other areas that may require monitoring.
- h. Programmatic Agreement update ERNIE's NOTES
- i. Archeology Association Conference – Albuquerque. NGWSP PA was highlighted. Well received. Tribes related their experiences working w/ Reclamation on project. Good feedback was received. A lot of people didn't realize how much collaboration had been occurring.
- j. NNHHPD recently went live with new data base. Long time coming. Funded by Reclamation.

25) Environmental Compliance – Project-Wide (Reclamation)

- a. Project Wide Revegetation plan is complete. Being routed for signature by Navajo Nation, BLM, BIA, and Reclamation.
- b. The Southwestern Conservation Corps (SWCC) Ancestral Lands Program will be conducting pre-construction vegetation surveys of 4c-8 starting in July. Coordination meeting set for June 18th to insure their survey methods/information conform with revegetation plan.  
*ACTION ITEM: Reclamation to invite SWCC to next PCC meeting to give a presentation.*
- c. Reclamation needs to begin meeting with Navajo Nation & BIA to develop reach specific revegetation plans for Tohlokai, 12B, and 9-11.
- d. Reclamation is developing contracts to re-vegetate completed portions of the project. The contracts will cover the initial revegetation of the pipeline corridor (following approved seed mixtures) and mutli-year monitoring/noxious weed control.
- e. 4c-8 NEPA review complete and signed off on by BIA & Reclamation.
- f. Reclamation's is preparing to contract for biological surveys and NEPA compliance on Reach 14.6a, 7a, & 8a. Expect surveys to take place in late summer/fall 2019.
- g. MBTA Survey Season is here!

26) Power Transmission (Reclamation)

- a. San Juan Lateral Status
  - i. Ongoing discussions between NTUA and WAPA on block power concept
  - ii. Final NEPA clearance forthcoming on 115kV line project; hope to have FONSI by end of May in order to maintain schedule.
  - iii. Reclamation working w/ NTUA on schedule for providing power service to pumping plants.
- b. Cutter Lateral (Reaches 22 and 21) Status
  - i. Power transmission nearly complete. Only remaining portion is to Reg Tank 2. BLM still needs to grant ROW. Power also needs to be supplied to Reg Tank 3. JMEC working with BIA on encroachment agreement.

27) SCADA (Reclamation)

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- a. Highlights from SCADA Summit: SCADA Planning Report issued in October 2018 and then resent in January extending the deadline to February 1st. No comments were received. The 2nd SCADA Summit meeting was held on April 4th at FCCO. Topics included the Planning Report recommendations, as well as Reclamation IT Security requirements. Meeting Summary has been sent out for comments. Comments are due back on June 7, 2019.
- b. Provide response on what security infrastructure may be required to meet Reclamation requirements.

***ACTION ITEM: Reclamation to provide response to Gallup on their SCADA proposal – 6/15/2019***

28) Budget / Schedule Discussion (Reclamation)

- a. FY2019 Budget: \$69,603,000 (inc. \$2,200,000 of non-construction (O&M) funding)
- b. FY2020 President’s Budget Request:\$66,132,000 (inc. \$3,050,000 of non-construction (O&M) funding)
- c. Updating WCE – will present to Project Participants in next couple of months.
- d. NM Cost-Share Update/Status – received latest request for credit 5/30/2019.
- e. City of Gallup Credit Request Status – meeting 7/15/2019 to review credit request.

29) Design and Procurement Schedule

30) Information Sharing / Public Outreach – Reclamation

- a. Reclamation working to provide Navajo Technical University with a grant to develop a series of NGWSP documentaries
- b. Quarterly newsletters – request for input  
***ACTION ITEM: PCC suggested a “Tribute Garden” similar to what had been done on Animas-La Plata Project to honor those individuals/agencies that have contributed to the Project be considered. Reclamation will take lead on investigating.***
- c. Reclamation submitting Science and Technology (S&T) proposals for blending studies and for cathodic protection system testing on steel tanks.
- d. June 10, 2019, will be the 10<sup>th</sup> anniversary of the first PCC meeting (held 6/10/2009).

31) Action items and assignments – Reclamation

32) Schedule next PCC meeting – The 47<sup>th</sup> PCC Meeting will be held September 26, 2019