Message

From: randy [randy@experiencehopi.com]
Sent: 4/24/2014 12:02:17 AM
To: Lee, Bessie [Lee.Bessie@epa.gov]
CC: Hubert Lewis [upper.moenkopi@yahoo.com]
Subject: RE: Notes from the April 3, 2014 Call about the Hopi Infrastructure Projects

Bessie,
I won't be on the call coming up. On travel.
Everything is going well at the WWTP and on the drinking water side.
One WWTP operator going to Cert. 1 class for waste treatment and another to motors and controls. One also just completed basic math.
Benard Jackson is no longer with us. He was just getting ready to do Cert. 2 in distribution.
Two other water operators finished the Cert. 1 distribution class and test and are waiting results. One of those is taking Safe Drinking water and CCR in the next couple of weeks.
Still need money and water.
Randy

From: Lee, Bessie [mailto:Lee.Bessie@epa.gov]
Sent: Wednesday, April 23, 2014 4:56 PM
To: Adam Hughes; Arnell Sieweyumptewa; Belma Navakuku; Bill Bettenberg; Bonnie Secakuku; brad.rea@ihs.gov; Bruce Fredericks; Carmelita Coochyumptewa; Carrie Sakeva; Christine Tawahongva; Chuck Villa; Clayton Honyumptewa; Cristal Quinn; David Talayumptewa; De Alva Honahnie; Dennis Rodriguez; Eldine Stevens; Elizabeth Wadsworth; Elmer Douma; Eric Matson; Everett Calnimptewa; Frederick Tack; Gail Poley; Garlyn Navakuku; GSHonanie@hopi.nsn.us; Glenn Allison; Herman Honanie; Ivan Sydney; Jacquelyn Lamson; Jaylene Adakai Sanchez; Jesse DeCoteau; John Graves; John Hamilton; John Krause; Kathlene Sumatzkuku; Kerry Brough (kbrough@cox.net); Kim Secakuku; King Honani, Sr.; Kristin Sieweyumptewa; Leroy Sumatzkuku; Leslie Nasingoetewa; Lillian Dennis; lpuhuyesva@hopi.nsn.us; Lorena Naseyowma; Loretta Orona; Lynette Pollari; Marvin Naqua-Hyeoma; Mary Navanick; Melvin Todacheene; Micah Lomaomvaya; Michael Janes; Mike Luecker; Patrick Thompson; PERKINS, SUSANNE; Phyllis Wittsell; Randy Wolff; Rex Wahl; Robert Lorenz; Robert Mahkewa; Ronald Wadsworth; Royce Jenkins; Selwyn Sekaquaptewa; Sherilyn Honanie; Sherwin Heaton; Shungopavi Administration; Susan Secakuku; Suzanne Jamison; UMowa@hopi.nsn.us; Upper Moenkopi; Vern Mansfield; Wayne Taylor (wtaylorjr@htha.org); Wendell Honanie; Yvonne Day; Yvonne Hoosava
Subject: Notes from the April 3, 2014 Call about the Hopi Infrastructure Projects

Participating in the April 3, 2014 call were:

USDA - Loretta Orona
IHS - Robert Lorenz, Adam Hughes, Brad Rae, Jesse DeCoteau
OIA, BIA - Eldine Stevens
BIA, OFMC - Emerson Eskeets
BIA, Hopi Agency - Wendell Honanie
Sipaulovi Village - King Honanie, Mayfa Natoni, Bobbie
Hopi Tribe, WRP - Lionel Puhuyesva
Consultant - Kerry Brough
Tawa 'ovi - Steve Thompson
Lower Moencopi - Lorena Naseyowma
Upper Moenkopi - Hubert Lewis, Randy Wolff
Tribal Attorney - Bill Bettenberg

Shungopavi Village - Micah Lomaomvaya
USEPA, Region 9 - Suzanne Perkins, Bessie Lee

HAMP – Adam Hughes reported that the first well has been completed and pump tested. The second well was drilled to depth. The casing was installed in the second well, and the well was grouted on April 4, 2014. The well is ready to swab. The second well will be developed and pump tested in the next couple of months.

BIA sent a draft IA for the planning portion of a project to bring BIA into the HAMP. The draft IA was signed by BIA. The IHS legal people are now reviewing the drat IA. IHS does not have a schedule as to when the IHS legal people will provide their comments. An E-90 is an accompanying document to the draft IA. (E-90 is a separate document that IHS uses to enter into Project Summaries with tribes.) The E-90 has not yet been shared with the Hopi Tribe for signature. Nothing else is needed at this time from BIA since IHS is waiting for the IHS legal people's comments. Until the IA is signed, IHS will not pursue any further evaluation in bringing BIA into the HAMP.

Kerry Brough is coordinating the strategic plan for the new Hopi Public Utility Authority (HPUA). Kerry is also doing a cost/benefit analysis to comply with the USDA PER format (i.e., looking at the life cycle costs of the alternatives – HAMP regional water system versus individual treatment systems in each village). Kerry has preliminary results – the HAMP is the prevailing alternative. The HAMP has cheaper life cycle costs over a 20-year planning period, especially if grid power is brought to the well site. Even without grid power, HAMP is still cheaper than the individual treatment systems. IHS hopes to have the PER and strategic plan close to being wrapped up.

IHS is pursuing a quote from the power providers to bring power to the well site. (The Hopi Tribe gave permission to IHS to pursue a quote from APS.) The draft letter to APS includes the power line routing and load. The APS process could be lengthy (6 to 12 months). The engineering documents will be finalized without the APS quote since getting the APS quote could take a long time. IHS has also asked for permission from the Hopi Tribe to pursue a quote for power from NTUA.

John Shoemaker is the IHS consultant on the wells. The draft report for Well 1 has been submitted. Well 1 has a target flow rate of 300 gpm. The projected needs and demands over a 20-year planning period was greater than 300 gpm. The draft report will indicate that Well 1 can provide more than 300 gpm. Well 1 can provide 415 gpm. Well 1 is quite capable of producing more than 415 gpm, but the well pumpage is being limited to 415 gpm. The data for Well 2 data should be coming soon. Hopefully, it will be similar to Well 2.

IHS sent a letter dated March 11, 2014 to the Chairman requesting IHS be given audience with the Hopi Tribal Council to present progress on the HAMP. Major bullets from the letter include:

- Status of the village and tribal agreements and the HPUA and villages agreements. Remind the Tribal Council that formalizing the agreements is important.

- Status of power line negotiations with APS. Discussion on advantages and disadvantage of grid power versus generation power. Also, the proposed inclusion of Tawa 'ovi in the project.

- Sizing of facilities (e.g., piping). The advantages and disadvantages of bringing BIA into the HAMP and sizing the facility to include BIA.

- Thoughts on how best to serve Upper Sipaulovi/Upper Mishongnovi. How does the Tribal Council foresee HPUA do its billing?

- Update on selection of the HPUA director and staffing of HPUA.

- Reminder that even after completion of the PER, the Hopi Tribe needs to compile the USDA loan/grant application (e.g., tribal audits). Who will be the lead at the Tribe to finalize the USDA application?

- Ask the Tribal Council how Tawa 'ovi and the Hopi Tribal Housing Authority can be financial partners to the HAMP.

What is Tawa 'ova's schedule for its anticipated construction? Does the project have the capacity to provide financial support to the HAMP? Steve Thompson indicated that if IHS talks to APS about the HAMP, they need to include Tawa 'ovi in part of the discussion. Tawa 'ovi wants to partner with the HAMP on power and a well. Steve indicated that the Tawa 'ovi project is moving forward with an infrastructure RFP that is being issued from the Housing Authority. A FONSI has been issued for the project. As IHS finalizes the engineering documents and reports, IHS is looking to get firm dollar estimates from the financial partners.

The Hopi Tribal Housing Authority has indicated it may be able to provide $2.9 million for construction of the HAMP. IHS is looking to finalize that number. The PER will indicate specific costs. If Tawa 'ovi has a specific amount of funding source for power it can provide to the HAMP, that would be good. Steve Thompson indicated that Tawa 'ovi does not have a specific solid funding source at this time. The overall funding for infrastructure is still being negotiated by Tawa 'ovi.

If Tawa 'ovi wants to partner on the HAMP, it will need to provide a contribution (such as BIA) since Tawa 'ovi is a new development. New developments do not qualify for USDA, IHS, or USEPA funding. Tawa 'ovi would need to provide pro-rata funding in order to be served water from HAMP. If the Hopi Tribe wants to go in that direction, the Tribe needs to direct IHS to do this.

Bill Bettenberg attended the March 10, 2014 Hopi Tribal Council meeting to discuss HPUA. Any resolution being considered has to be signed off by a number of people. Since not all the signatures were ready by March 10, there was no action on the HPUA resolution and the three agreements that go with it. George Mase, Lionel Puhuyesva, and Bill gave a detailed briefing to the Tribal Council on the resolution. Bill indicated he will know after April 7, 2014 what the next Tribal Council agenda will be.

Steve Thompson reminded everyone that the total electrical requirements for the Tawa 'ovi project is 2 megawatts and 6 megawatts.

Shungopavi – What day will the tank repairs start? It depends on the weather and temperature. As soon as he knows the start date for the tank repairs, Lionel Puhuyesva will let Micah Lomaomvaya know.

Shungopavi has been testing an alternative water source (i.e., vending machine). Is the Hopi Tribe going to let Shungopavi use a sole source vendor? Lionel Puhuyesva talked to Lillian Dennis. The business license is the issue at the moment. Lionel will follow up with Micah Lomaomvaya about this.

Micah Lomaomvaya announced that he is going to be working for the Hopi Department of Natural Resources starting April 7, 2014. In the interim, Micah will be helping Christine Tawahongva through the transition. Christine will be the Acting CSA for Shungopavi until a new CSA is hired.

Upper Moenkopi - Suzanne Perkins received a letter from the Hopi Tribal Chairman that the Chairman will be the designated consultation representative for the Upper Moenkopi wastewater enforcement activity. Correspondence from USEPA will still go to Upper Moenkopi, but the Tribe wants to be kept in the loop. Suzanne will be preparing a draft consultation plan as the next step of the enforcement process. Micah Lomaomvaya indicated he will be involved with facilitation of tribal consultation and NEPA processes. Suzanne can work with Micah on the consultation activities.

Kerry Brough has been submitting the DMRs for the wastewater system to USEPA, but they are not the originals. Kerry has been copying Suzanne Perkins as an FYI. Hubert Lewis indicated the original DMRs were being forwarded to USEPA. The updated forms from USEPA have not been received by Upper Moenkopi or Kerry. It was suggested that it is best to send the updated forms to Kerry.

Rebecca Jamison from USEPA's RCRA Program had asked how the wastewater system was doing at Upper Moenkopi. Where will the treated water from the Davis Chevrolet cleanup go? The Upper Moenkopi wastewater plant? Neither Randy Wolff or Lionel Puhuyesva was aware of the proposed discharge from the Davis Chevrolet cleanup project to the wastewater plant. Randy indicated there are enough challenges to keep the plant running. Randy continues to have people trained to operate the plant. Randy presently has one Level 1 wastewater operator for collection. Since the wastewater plant's NPDES is only for domestic water use, would treated water from Davis Chevrolet be allowed under the present permit?

Even though much of the wastewater plant is automated, the sludge still needs to be pressed manually. There are still mechanical issues with the plant. If another service provider for the wastewater plant is pursued, this becomes an expensive option. Level 3 certification for the Upper Moenkopi wastewater plant is required in Arizona. If Upper Moenkopi had a Level 3 operator "available", the rules of the state of Arizona says the present operator only needs to be overseen or supervised by a Level 3 operator.

With the creation of HPUA, will the Hopi Tribe take over all the utilities? It is up to the villages if they want to op into the HPUA. Initially, HPUA will operate only the HAMP. HPUA will work to support infrastructure development and O&M. HPUA is slated to grow in the future to include natural gas, electricity, water, and wastewater. The intent of HPUA is to build and operate the HAMP, with the option of expanding and taking over the village systems, if wanted by the villages.

Moenkopi Utility Authority (MUA) is still active on paper. Upper Moenkopi has not yet discussed the HPUA option. Upper Moenkopi could start discussions to accelerate the HPUA process.

There is an existing MOU between Upper Moenkopi and NTUA to work together. Randy Wolff is looking into using NTUA for emergencies. NTUA can use the capacity of the Upper Moenkopi wastewater plant. Upper Moenkopi can use NTUA's water. Upper Moenkopi will need to change its NPDEDS permit if it decides to accept NTUA's (Tuba City) wastewater since the NTUA wastewater will have contaminants from industrial uses.

The Upper Moenkopi wastewater plant is running fine. An electrician came up to review the plant. There is redundancy in the plant. Based on the information in the reporting forms, performance of the wastewater treatment efficiency has been consistently excellent.

The drinking water violations for the N-aquifer wells will be caught up by June 1, 2014. Compliance sampling of the N-aquifer wells kind of slipped by GHD's responsibilities.

ITCA has a form you fill out to request their assistance. RCAC may also have a circuit rider to serve Hopi in the near future.

Randy Wolff heard that Lower Moencopi is going to be building 20 housing units south of Moencopi Wash. Lorena Naseyowma indicated that Lower Moencopi has a well there, but the well does not produce that much. Lower Moencopi is looking for another water source.

NTUA is reportedly drilling, or wanting to drill, a new well in the Tuba City area. The main purpose of the new well is to replace one of the existing NTUA wells in Tuba City, which is pumping a lot of sand. Randy Wolff has talked to IHS and NTUA (not the local NTUA office) about a new well. If IHS, Navajo Area Office, is to fund the new well, the well would need to go through the SDS process. There would be no IHS funding for the

new well this year, though. For IHS funding, an updated water system evaluation of the NTUA Tuba City water system would be needed to see if the water system will have available water for Upper Moenkopi. The evaluation will need to look at a regular NTUA water supply to supplement Upper Moenkopi, as well as NTUA water being an emergency/backup water supply for Upper Moenkopi. The IHS, Tuba City Office, needs to conduct the updated evaluation of the capacity of the Tuba City water system. There is not much progress on this task. IHS, Phoenix Area Office, is willing to provide some money to IHS, Navajo Area Office, to start this task.

Is there any form of piping under Highway 160 that connects the Tuba City side to the Moenkopi side? No. This is critical from NTUA's perspective. If a connection does not exist, the Hopi Tribe will need to go through the process of applying for it and approval of would need to go through the Navajo Tribal Council. Jeff Allen, Deputy District Engineer in Tuba City for IHS, said in the Pasteur Canyon drainage (lowest part), Upper Moenkopi or the Hopi Tribe has jurisdiction over land on both sides of that location. If there is no connection, at least there is a location that a crossing under the highway can be made without having to go through NTUA or the Navajo Tribal Council for a right-of-way. There is an NTUA waterline parallel to Highway 264 on the north side of the highway. That line can be tapped into this potential connection. This has come up before when the hotel was being built in Upper Moenkopi. An ADOT permit was needed and ADOT would not issue a right-of-way. That is why the RO plant lines do not go through an ADOT easement. ADOT may have changed its tone since then. The NTUA waterline goes through the ADOT right-of-way and then back onto Navajo land. IHS will explore this possibility. Randy Wolff can also bring this up with NTUA. Brad Rae will e-mail a map of the potential connection at Pasteur Canyon to Lionel Puhuyesva and Randy Wolff.

Upper Moenkopi, the Hopi Tribe, IHS, and MDC had a meeting with USGS that went well. USGS could test other areas around where the current N-aquifer wells are sited. USGS suggested it could conduct some hydrogeologic drilling rather quickly, but USGS would need to be compensated ($100,000 to $200,000). This cost would include pre-drilling activities, well design, well drilling activities, and post well drilling activities (includes well assessment). This USGS test well could be converted to a production well for Upper Moenkopi, but this would not be part of USGS' scope of work. What type of funding is there to support the USGS proposal? IHS? Hopi Housing Authority? Hopi Housing would want this well to be drilled sooner than later.

Upper Moenkopi has been reading the water meters. The meters will be read once a month. All the storage tanks are being kept full.

Next Call – Due to some scheduling conflicts, the next call will be on Wednesday, April 30, 2014, at 9:30 a.m. Hopi Time

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Bessie Lee
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