

Meeting Date: March 4, 2015

Meeting Notes

Submittal Date: April 3, 2015 – Submitted to NDEP

Place: Meeting Held via GoToMeeting Teleconference

Project/Purpose: NV Energy - Reid Gardner Station
Implementation of Administrative Order on Consent (AOC)
Quarterly AOC Meeting

Attendees: Alison Oakley/NDEP
Brad Cross/ARCADIS U.S., Inc.
John Kivett/ARCADIS U.S. Inc.
Michael Shivell/ACADIS U.S. Inc.
Mike Rojo/NV Energy
Jason Reed/NV Energy
Scott Dethloff/CH2M HILL
Sergio Escobar/CDWR
Peter Mesard/Exponent
Joseph Scalia/Exponent
Pamela Rey/Exponent
Becky Svatos/Stanley Consultants
Bill Carrig/Stanley Consultants
Africa Espina/Stanley Consultants
Notes By: Bill Carrig/Stanley Consultants

A meeting was held between representatives of NV Energy, the California Department of Water Resources (CDWR), and the Nevada Division of Environmental Protection (NDEP) via GoToMeeting Teleconference on March 4, 2015, to discuss the status of the implementation of the AOC signed by NV Energy and NDEP on February 22, 2008. Below is a summary of the discussion topics from the meeting.

Muddy River Investigation Work Plan – NV Energy appreciates NDEP providing comments on February 13, 2015; within a month of the January 16, 2015, submittal to NDEP. The comments are currently being addressed and NV Energy is tentatively planning on submitting the revised Work

Plan to NDEP by March 20, 2015 (this date later revised to April 3). Below is a summary of NDEP comments that were discussed:

Data Management Approach – Per NDEP’s request, a data management approach will be included in the revised Muddy River Investigation Work Plan as well as in the Pond Area Work Soil and Groundwater Characterization Plans.

Transects T-2 and T-9 – As requested by NDEP, NV Energy plans to include continuous monitoring of surface water elevations, groundwater elevations, and water quality at transects T-2 and T-9. Applicable sections of the Muddy River Investigation Work Plan will be revised to reflect this change.

Transducer Housings –An ARCADIS representative observed the installation of the PVC housings for the river transducers and was satisfied with the installation. NV Energy will monitor the PVC housings for shifts over the next year and make adjustments, if necessary. The transducers have not yet been installed.

Transducer Sync/Installation – To address NDEP’s comment, NV Energy will revise the Muddy River Investigation Work Plan to state that all transducers will be synced monthly with the same laptop at installation. Additionally, NV Energy will purchase a spare Aqua Troll transducer to have on hand.

- Action Item: NV Energy to let NDEP know when the transducers will be installed so they can observe the installation.

Reporting Limits – The laboratory verified that they can meet reporting limits of 6.0 mg/L for alkalinity and 0.0010 mg/L for cadmium. Table 2-2 of the Muddy River Investigation Work Plan will be revised to reflect these reporting limits. Additionally, other reporting limits and analytical methods in Table 2-2 of the Muddy River Investigation Work Plan will also be updated based on more recent information provided by the laboratory after the draft Work Plan was submitted to NDEP.

- Action Item: NV Energy to provide NDEP with a revised copy of Table 2-2 from the Muddy River Investigation Work Plan prior to submittal of the entire revised work plan.

Groundwater Monitoring – The Work Plan will be revised to clarify what groundwater data will be collected from newly installed monitoring wells immediately following development and what will be collected from the newly installed four-inch monitoring wells in September 2015 as part of the PA2, PA 3, and PA 5-7 investigation program. While February, May, August, and November are the normal sampling months for the Groundwater Monitoring Program, NV Energy will push back the August sampling event until the first and second week of September to coincide with the Muddy River Sampling.

This same information will be included in the Pond Area Soil and Groundwater Characterization Work Plans. Future groundwater sampling of the newly installed wells will be discussed during the Conceptual Site Model (CSM) workshop with NDEP that is tentatively scheduled for December

2015.

Pond Area Soil and Groundwater Characterization Work Plans (PA2, PA3 and PA5-7)– The Pond Area Soil and Groundwater Characterization Work Plans are currently being drafted and NV Energy expects to submit them to the NDEP by March 13, 2015. NV Energy will request that NDEP provide comments within a month. These work plans will be consistent with the tables and figures that were provided to the NDEP on January 14, 2015. Drilling activities are scheduled to begin on March 9, 2015 and be completed by the end of June 2015. Brad Cross with ARCADIS plans to be on-site March 12-13 to observe drilling activities.

Fieldwork Schedule - The first quarterly Muddy River Investigation (MRI) field event began on March 2, 2015. On March 3, the field team conducted sediment visual observations, made field water quality measurements in the river, and conducted microwell installations. Surface water quality sampling is planned for March 4 with flow measurements on March 5. Flow measurements were postponed due to precipitation on March 2.

- **Action Item:** NV Energy to provide weekly reports to NDEP by noon on Fridays with a schedule of work completed the prior week and work planned for the next two weeks. Schedule changes should be communicated to NDEP as soon as possible.

Data Management and Reporting - NV Energy will provide weekly reports to NDEP during the field investigations. These reports will include data, when available. Laboratory data (prior to data validation) is expected to be available in table format within six weeks of collection.

- **Action Item:** NV Energy to provide data format templates to NDEP for review.

ARCADIS stated that they would like an electronic copy of raw data from the HPT contractor so they can conduct independent analyses.

- **Action Item:** ARCADIS to provide an HPT data visualization example.

Pre/Post Flood Groundwater Elevation Contours– After the September 8, 2014, storm event and Muddy River flooding, Stanley Consultants evaluated the impact on groundwater elevations to aid in the understanding of the CSM. Groundwater elevations were compiled from before the flood in late August/early September 2014, and after the flood in October 2014. This information was tabulated in Microsoft Excel and presented on a figure that was shown during the GoToMeeting. There is still some standing water remaining from the flooding that may impact NV Energy's ability to install monitoring wells MW-25 and MW-26. Additionally, because there are now two river channels at Transect T-4, flows cannot currently be measured accurately at this transect. As the field activities progress, access at these areas will be reevaluated.

- **Action Item:** NV Energy to provide NDEP with pre and post flood groundwater elevation data, including figures and corresponding Microsoft Excel tables.

Pond 4A/C1/C2/E2 Solids Removal Progress and Schedule – NV Energy reported that Pond C2 solids removal is approximately 53% complete and should be finished by late April 2015. Pond 4A

solids removal is currently approximately 50% complete. In late April 2015, following completion of solids removal in Pond C2, there will be a break in Pond 4A solids removal and excavation activities will shift to Ponds C1 and E2. Pond 4A solids removal will be completed following removal of solids from Ponds C1 and E2.

The revised Pond E2 Solids Removal Work Plan was provided to NDEP on March 4, 2015, with a response requested by March 31, 2015.

Pond 4A/C2 Soil and Solids Data - A letter summarizing the results of the Pond 4A solids sampling and data validation will be provided to the NDEP in the near future. This letter will also include suggested parameters for future soil sampling in the former Pond 4A footprint.

SA-14 Laser Induced Fluorescence (LIF) Petroleum Area Investigations – NV Energy informed NDEP that the LIF Report will be submitted to NDEP by March 10, 2015.

Geochemical CSM Report Schedule – The draft Preliminary Geochemical CSM report will be submitted to NDEP by March 6, 2015.

Groundwater Monitoring Report/Groundwater Parameter Reductions – The first annual Groundwater Monitoring Report (GMR) was submitted to NDEP on January 26, 2015. NDEP may provide requests or guidance for future GMRs; however, NDEP does not plan to provide comments that require a resubmittal of the GMR.

The NDEP provided a concurrence letter on November 26, 2014, regarding NV Energy's September 25, 2014, GMR parameter reduction request. During the current groundwater sampling event, NV Energy implemented the changes approved by NDEP in that letter. NDEP commented on NV Energy's requests and requested some additional information. NV Energy can provide an e-mail to NDEP with responses. NDEP stated that the GMR parameter list may change in the future based on new federal Coal Combustion Residuals (CCR) regulations.

- **Action Item:** NV Energy will send an e-mail to NDEP in response to their November 26, 2014, letter.

Closure Plan Revisions – There was discussion regarding the need for a more robust Closure Plan that describes the path to closure rather than a summary of applicable regulatory requirements. NDEP stated that the Closure Plan needs to take into account the conceptual site model, which NV Energy's has not yet completed. It was agreed that there will be future discussions regarding the Closure Plan when more data has been accumulated as part of the CSM, potentially in December 2015. The Closure Plan could then be revised in 2016. NDEP also said that new federal CCR regulations may impact the Closure Plan.

- **Action Item:** NV Energy will send an e-mail to NDEP requesting that the Closure Plan revisions be delayed until more data has been collected as part of the CSM and potential impacts of the new CCR regulations are better understood.

Proposed Quality Assurance Project Plan (QAPP) Revisions – NV Energy plans to make some

minor revisions to the QAPP in 2015 that include updated personnel and revisions to quality assurance sampling and audit requirements. Errata pages will be provided rather than a complete, revised document.

Status of Decommissioning and Demolition – Contractor bids are due in March for two projects. There will be a small initial demolition project prior to the large demolition and decommissioning of the entire Units 1 – 3 area.

Status of August, October, and December 2014 Meeting Minutes – NDEP is reviewing these minutes and should be providing comments in the near future.

April 28-29 Site Visit and Meeting Agenda - A site visit at the Reid Gardner Station is scheduled for April 28. A plant tour of the ongoing field activities will occur in the morning and a meeting will be held in the afternoon. Sonic drilling is scheduled during this time along with pond solids removal. NDEP would also like to walk along the Muddy River and inspect the transducers and transect locations. On April 29, an all-day meeting is planned at the NV Energy Pearson Building in Las Vegas. Proposed meeting topics include HPT data and other available field data, draft Preliminary Geochemical CSM report, draft Pond Area Soil and Groundwater Characterization Work Plans, LIF report, and Muddy River water quality memo to be provided to NDEP prior to the meeting. An agenda will be submitted to NDEP prior to the meeting.

- Action Item: NDEP will provide a list of prioritized topics for the April 28-29 meetings.

NDEP Action Items from Quarterly AOC Meeting on March 4, 2015

| NDEP ACTION ITEMS (DELIVERABLES) | | | | |
|---|--|--------------------------------|------------------------------------|---|
| Priority | Deliverable | Submittal Date | Party Responsible | Notes |
| 1 | Revised Pond E2 Solids Removal Work Plan | 3-4-15 | NDEP/ARCADIS | Response requested by 3-31-15. |
| 2 | Annual Groundwater Monitoring Report | 1-26-15 | NDEP/ARCADIS | NDEP to provide suggestions for future annual GMRs. |
| 3 | Meeting Minutes from August 18, 2014, Quarterly AOC Meeting | 12-29-14 | NDEP/ARCADIS | |
| 4 | Meeting Minutes from October 7-8, 2014, Meeting/Workshop | 1-15-14 | NDEP/ARCADIS | |
| 5 | Meeting Minutes from December 11, 2014, Meeting/Workshop | 1-16-14 | NDEP/ARCADIS | |
| NEAR TERM DELIVERABLES TO BE SUBMITTED TO THE NDEP | | | | |
| | Deliverable | Estimated Delivery Date | Party Responsible | Notes |
| | Preliminary Geochemical CSM Report | 3-6-15 | NV Energy/Stanley Consultants/SSPA | |
| | LIF Report | 3-10-15 | NV Energy/Stanley Consultants | |
| | PA2 Groundwater and Soil Characterization Work Plan | 3-13-15 | NV Energy/Stanley Consultants | Comments requested by 4-10-15. |
| | PA3 Groundwater and Soil Characterization Work Plan | 3-13-15 | NV Energy/Stanley Consultants | Comments requested by 4-10-15. |
| | PA5-7 Groundwater and Soil Characterization Work Plan | 3-13-15 | NV Energy/Stanley Consultants | Comments requested by 4-10-15. |
| | Revised Muddy River Investigation Work Plan | 4-3-15 | NV Energy/Stanley Consultants | Revised based on NDEP comments dated 2-13-15. |
| | Pond 4A Solids Data and Validation Reports | March 2015 | NV Energy/Stanley Consultants | |
| | Letter requesting concurrence on AOC indicator parameters | 4-14-15 | NV Energy/Stanley Consultants | |
| | Memo summarizing Muddy River Water Quality | 4-14-15 | NV Energy/Stanley Consultants | |
| | Peroxide Tank Release (PA-8) request for No Further Action (NFA) status | Q2 2015 | NV Energy/Stanley Consultants | |
| | Former Diesel AST (SA-12) request for Investigation Closed (IC) status | Q2 2015 | NV Energy/Stanley Consultants | |
| | WMU 8 Previous Disposal Area (SA-17) request for IC status | Q2 2015 | NV Energy/Stanley Consultants | |
| | Mesa Groundwater Evaluation Approach Memo | ON HOLD | NV Energy/Stanley Consultants | Need to evaluate impact of new federal CCR rules. |
| | Units 1,2,3 Coal Pile (SA-4) Work Plan | Q3 2015 | NV Energy/Stanley Consultants | Field work to start in Q3 or Q4 2015 |
| | Petroleum Source Area Work Plans (SA-9, SA-10, SA-11, SA-13, SA-15, SA-16) | Q3 2015 | NV Energy/CH2M HILL | Field work to start in Q3 or Q4 2015 |
| | Draft revised Closure Plan | Q1 2016 | NV Energy/Stanley Consultants | |

**NV Energy – Reid Gardner Station
Quarterly AOC Meeting
March 4, 2015 (by GoToMeeting)
List of Attendees**

| Name | Representing | Phone | E-Mail |
|----------------|---------------------|--------------|--------------------------------|
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