



NEVADA DIVISION OF  
**ENVIRONMENTAL  
PROTECTION**

**STATE OF NEVADA**  
Department of Conservation & Natural Resources

Brian Sandoval, Governor  
Leo M. Drozdoff, P.E., Director  
David Emme, Administrator

May 9, 2016

Michael Rojo  
Environmental Services, Supervisor  
NV Energy  
6226 W Sahara Ave M/S 30  
Las Vegas, NV 89146

Re: **NV Energy Reid Gardner Station**  
**NDEP Facility ID #H-000530**  
Nevada Division of Environmental Protection Review of:  
Draft Pond PA-5-7 Data Validation Reports

Dear Mr. Rojo:

The Nevada Division of Environmental Protection (NDEP) has received and reviewed NV Energy's submittal of the *Draft Pond PA-5-7 Data Validation Reports* for sampling events conducted in April, June, July, and September 2015 (Report). The Report is dated March 30, 2016 and was received by the NDEP on May 3, 2016. The Report contains laboratory data and data validation reports associated with the PA-5-7 Groundwater and Soil Characterization Work Plan implementation. A review of the data validation reports produced by the third party data validation company was completed by Amy Goldberg Day with ARCADIS. Ms. Day's review is included in Attachment A. Ms. Day found no discrepancies the reports and agreed with the professional judgement used in generating the reports.

Please contact me with any questions or comments about this letter at (775) 687-9396 or [aOakley@ndep.nv.gov](mailto:aOakley@ndep.nv.gov)

Sincerely,

Alison Oakley, CEM  
Environmental Scientist III  
Bureau of Corrective Actions  
NDEP-Carson City Office

Attachments (1)  
Attachment A – May 6, 2016 Data Validation Report Review Letter for Pond PA-5-7

Mr. Mike Rojo  
PA-5-7 Groundwater and Soil Data Validation Review  
May 9, 2016  
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ec: Jeff Collins, Nevada Division of Environmental Protection (NDEP)  
Scott Smale, Bureau of Corrective Actions, NDEP Carson City, [ssmale@ndep.nv.gov](mailto:ssmale@ndep.nv.gov)  
Todd Croft, Bureau of Corrective Actions, NDEP Las Vegas, [tcroft@ndep.nv.gov](mailto:tcroft@ndep.nv.gov)  
Bill Campbell, Tribal Liaison, NDEP, [wcampbell@ndep.nv.gov](mailto:wcampbell@ndep.nv.gov)  
Joe Maez, Bureau of Water Pollution Control, NDEP, [jmaez@ndep.nv.gov](mailto:jmaez@ndep.nv.gov)  
Nikita Lingenfelter, Bureau of Water Pollution Control, NDEP, [nlingenfelter@ndep.nv.gov](mailto:nlingenfelter@ndep.nv.gov)  
Ebrahim Juma, Clean Water Team ([ejuma@cleanwaterteam.com](mailto:ejuma@cleanwaterteam.com))  
Joe Leedy, Clean Water Team ([jleedy@cleanwaterteam.com](mailto:jleedy@cleanwaterteam.com))  
Lynn M. Cintron, Southern Nevada Health District, ([cintron@snhdmail.org](mailto:cintron@snhdmail.org))  
Jacqueline Reszetar, Director of Envi. Health, Southern Nevada Health District  
[reszetar@snhdmail.org](mailto:reszetar@snhdmail.org)  
Brian Northam, Southern Nevada Health District, ([northam@snhdmail.org](mailto:northam@snhdmail.org))  
Walter Ross, Environmental Health Supervisor/Engineer ([Ross@snhdmail.org](mailto:Ross@snhdmail.org))  
Andy Chaney, Southern Nevada Health District, ([chaney@snhdmail.org](mailto:chaney@snhdmail.org))  
Donna Houston, Southern Nevada Health District, ([houston@snhdmail.org](mailto:houston@snhdmail.org))  
Starla Lacy, NV Energy ([SLacy@nvenergy.com](mailto:SLacy@nvenergy.com))  
Don Hopper, NV Energy ([DHopper@nvenergy.com](mailto:DHopper@nvenergy.com))  
Tony Garcia, NV Energy ([TGarcia@nvenergy.com](mailto:TGarcia@nvenergy.com))  
Michael Rojo, NV Energy ([MRojo@nvenergy.com](mailto:MRojo@nvenergy.com))  
Jason Reed, NV Energy ([JReed@nvenergy.com](mailto:JReed@nvenergy.com))  
Matt Johns, NV Energy ([MJohns@nvenergy.com](mailto:MJohns@nvenergy.com))  
Becky Svatos, Stanley Consultants, Inc., ([SvatosBecky@stanleygroup.com](mailto:SvatosBecky@stanleygroup.com))  
William Carrig, Stanley Consultants, Inc., ([CarrigBill@stanleygroup.com](mailto:CarrigBill@stanleygroup.com))  
John Kivett, ARCADIS, ([John.Kivett@arcadis.com](mailto:John.Kivett@arcadis.com))  
Brad Cross, ARCADIS, ([Brad.Cross@arcadis.com](mailto:Brad.Cross@arcadis.com))  
Ginger Somerville, ARCADIS, ([Ginger.Somerville@arcadis.com](mailto:Ginger.Somerville@arcadis.com))  
Elliott Lips, Great Basin Earth Science, ([elips@gbearthscience.com](mailto:elips@gbearthscience.com))  
Andrea Issod, Sierra Club, ([andrea.issod@sierraclub.org](mailto:andrea.issod@sierraclub.org))  
Robert Wiygul, Counsel Sierra Club and Moapa Band of Paiutes, ([Robert@waltzerlaw.com](mailto:Robert@waltzerlaw.com))  
Ranajit Sahu, Consultant, ([sahuron@earthlink.com](mailto:sahuron@earthlink.com))

cc: Robert Tom, Moapa Band of Paiutes, Chairperson, P.O. Box 340, Moapa, NV 89025  
Moapa Band of Paiutes, Environmental Director, P.O. Box 340, Moapa, NV 89025  
Clark County Emergency Management, 500 S. Grand Central Parkway 6th Floor, P.O. Box  
551713, Las Vegas, NV 89155-1713  
Anitha Rednam, Department of Water Resources, 1416 9<sup>th</sup> Street, Room 1140, Sacramento CA  
95814

## **Attachment A**

### **Letter Review of Data Validation Reports for Pond PA-5-7 Groundwater and Soil Samples**



ARCADIS U.S., Inc.  
100 Smith Ranch Road, Suite 329  
San Rafael,  
California 94903  
Tel 415 491-4530 x 19  
[www.arcadis-us.com](http://www.arcadis-us.com)

Alison Oakley, CEM  
Bureau of Corrective Actions  
Nevada Division of Environmental Protection  
901 S. Stewart Street, Suite 4001  
Carson City, Nevada 89701-5249

Environment

Subject:  
**Review of Data Validation Reports  
NV Energy**  
Data Validation Reports for Pond PA-5-7 Soil and Water samples

Date:  
May 6, 2016

Dear Ms. Oakley:

Contact:  
Amy Goldberg Day

ARCADIS reviewed the data validation reports prepared by Ordway on behalf of Stanley Consultant for the Nevada Department of Energy RGS Site. Data validation reports were reviewed for water, soil and solid data generated from the Pond PA-5-7 Soil and Groundwater Characterization Work Plan Implementation.

Phone:  
415.491.4530 x19

The sampling events conducted for Pond PA-5-7 occurred in April, June, July, and September 2015. The reports were dated in June, August, December 2015 and March 2016.

Email:  
[Amy.GoldbergDay@Arcadis.com](mailto:Amy.GoldbergDay@Arcadis.com)

ARCADIS reviewed the technical approach and professional judgment applied in performing the data validation. ARCADIS then evaluated the results based on the analytical chemistry data package provided by the laboratory.

The validator used the US EPA data validation guidance and analytical chemistry guidance documents as the foundation for the review. Data were evaluated for US EPA Level IIB and IV. Samples were analyzed for anions, metals, and wet chemistry parameters. A data validation report was prepared for each method per sampling day.

As with the reports for the other Ponds at the site reviewed earlier in 2016, these reports appeared to be streamlined as compared to the previous data validation reports. The report template appears to have been refined, but complete. Very few results were qualified. I agreed with the professional judgement used in generating the reports.

Imagine the result

Based on ARCADIS' review, Ordway appears to adhere to the SW-846 methodology. Similar to the latest round of reports, Ordway appeared to allow for professional judgment to be used in evaluating the analytical methodology and slight deviations from SW-846 that did not affected the analytical results were not used to qualify data.

If you have any questions regarding the data validation review, please feel free to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Amy Goldberg Day".

Amy Goldberg Day  
Principal Toxicologist

[ARCADIS N.A., Inc.](http://www.arcadis.com) | 100 Smith Ranch Road, Suite 329 | San Rafael, California 94903  
Direct 415 491-4530 Ext. 19 | Mobile 415 939-3412 | Fax 415 491-4532  
[www.arcadis.com](http://www.arcadis.com)

EC: John Kivett, ARCADIS