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Governor

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ALAN R. COYNER
Administrator

ACTIVITY AND ACHIEVEMENTS AUGUST 2013

ADMINISTRATION (ALAN)

1. Met with Deputy Attorney General Bryan Stockton to review agency response options to LCB audit letter and discuss the process for promulgating new regulations.
2. Met with Colleen Cripps and Dave Gaskin (NDEP) to discuss development of hydraulic fracturing program.
3. Met with Commissioner Snow to discuss hydraulic fracturing program.
4. Reviewed summer intern program with AML staff.
5. Attended CMR meeting in Tonopah.
6. Attended CMR field trips to the Solar Reserve facility and the Tonopah Historic Mining Park.
7. Attended CMR meeting to discuss process for selection of a new administrator.
8. Announced my resignation/retirement from NDOM.
9. Submitted formal letter of resignation to the CMR.
10. Began process of completing necessary exit paperwork.

RECLAMATION BOND POOL (MIKE)

1. Replied to environmental consultant working for the Queensland (state) Government in Australia asking for information on the various aspects of bonding in Nevada.
2. Discussed with the operators the details of four recent invoices sent to Barrick and one to BH Minerals pursuant to the Plan of Operation \$20/acre public disturbance fee. Updated corresponding tracking spreadsheet.
3. Processed two bond refunds for Selex Resources. Communicated with Walker Lane Gold and Alaska Gold regarding vendor registration issues prior to refund of bond deposits. Answered questions from, and sent blank bond documents and BLM "change of operator" form to, Almaden America.
4. Executed one bond increase for Paradigm and two bond decreases for Cordex.
5. Processed three bond reductions and sent corresponding paperwork to bond pool participants.
6. Processed bond release for Alaska Gold. Spoke with bond pool participants La Quinta Resources and Springer Mining regarding late premium payments.
7. Communicated with Adam Knight (Springer Mining) regarding their interest in closing of their exploration notice and refund of posted bond. Provided related information to BLM-Winnemucca and Springer.

MINING, LAND AND OTHER ISSUES (MIKE)

1. Help set up and staff the agency booth at the Mine Safety and Health Administration (MSHA) National Mine Rescue Competition in Reno. Held over three days, there were over 600 attendees.
2. Met with Deputy Attorney General Bryan Stockton to review agency response options to LCB audit letter and discuss the process for promulgating new regulations.
3. Conducted significant research on a list of ten randomized "Currently Not Secured" AML features provided by the LCB auditor to detail the notification, communication tracking and data entry processes. Provided requested information to LCB auditor pursuant to AML database tests.
4. Answered questions from and provided information to LCB auditor related to agency MOU's with the BLM for both the AML and OGG programs.
5. Responded to several inquiries regarding recent invoices sent to operators with permitted surface disturbance on public land.
6. Along with Lowell and Alan, attended hydraulic fracturing program meeting with Colleen Cripps and Dave Gaskin (NDEP).
7. Responded to two claimant requests for additional information related to their notification of unsecured AML hazards. Maps, photos, access and securing information was provided via email.
8. Conducted downhole camera surveys of two mine shafts in Douglas County with Jenni Jeffers (NDOW) to assess potential for bat habitat to facilitate hard closure by BLM.
9. Conducted downhole camera surveys with John and Bill at two shafts in Esmeralda County south of Tonopah to assess bat habitat.
10. Sent letter to Laura Richards (NDOW) requesting their continued partnership and fiscal support of bat gating as part of the greater statewide AML hard closure efforts undertaken by NDOM, BLM and USFS.
11. Received a progress report from the Great Basin Institute regarding their plastic claim post pulling efforts. To date, over 6,700 posts have been pulled throughout Esmeralda, Humboldt and Nye counties. The percentage of posts found to contain bird carcasses ranged from 3-22%, with an overall average of about 5%. Approximately 83% of the dedicated funds have been spent so far.
12. Sent a reimbursement request letter and accompanying spreadsheet to Ken Maas (USFS) for \$29,707. Pursuant to our Cost Share Agreement with the Forest Service, monies expended by the AML program doing inventory and securing work on the Humboldt Toiyabe National Forest can be reimbursed subject to availability of dedicated FS funds. This reimbursement request covered AML work done by NDOM staff, interns and contractors between March 1 and August 16, 2013.
13. Provided instruction on the use of the downhole video camera survey system to Rob and Rachel on a shaft in Douglas County. Rob and Rachel will complete four more surveys to facilitate the NEPA CX process so that these shafts can be approved for backfill or other hard closure.
14. Met with Lowell, Alan and Commissioner Snow to discuss parameters and framework of hydraulic fracturing program.
15. Led conference call with representatives from NDEP and BLM to discuss reclamation award candidates. It was a unanimous decision that neither project met the requirements for an award. Discussed the results with Joe Riney (Nevada Mining Association).
16. Conducted ownership research on private property near Nevada Quicksilver mine in Pershing County. Provided information to Jenni Jeffers (NDOW) to pursue authorization

from owner to bat gate several AML features adjacent and connected to other features proposed for gating on BLM-managed land.

17. Attended CMR meeting to discuss process for selection of a new administrator.
18. Attended CMR field trip to Solar Reserve facility north of Tonopah.
19. Attended CMR meeting in Tonopah.
20. Fenced one orphan AML hazard in Esmeralda County.
21. Taught mineral education activities, along with DD LaPointe (NBMG), to more than 140 children at the 1St Annual Youth Outdoor Experience in Reno, attended by more than 300 people. "Stay Out, Stay Alive" swag and assorted bagged and tagged rock and mineral samples were handed out. (50 presentations to 70 children)

AML / PUBLIC AWARENESS - NORTH (JOHN)

1. Worked the NDOM booth with Bill at the Reno Convention Center during the NMA sponsored National Metal/Non-Metal Mine Rescue Competition. Approximately 200 people visited the booth and received Stay Out and Stay Alive materials. Newmont's Carlin Rescue Team won the competition!!
2. The interns performed AML work in Elko, and White Pine counties this week and next week during a 10 day work period.
3. AML work completed by EPS this week includes: 17 new hazards logged and 31 new non-hazards logged in Mineral and Esmeralda counties. Securing and re-visit totals are not yet tallied.
4. Assisted Mike Visher and Bill Durbin with down-hole video of two mine shafts near Tonopah in Esmeralda County.
5. Talked to several claimants by phone in response to a massive Notice to Secure mailing.
6. Performed more land research, and returned correspondence with claimants regarding Securing Notices.
7. Made appropriate changes to errors found in the database during research instigated from the Securing Notice enquiries by claimants.
8. Updated the securing status of high hazards in the database that were previously not secured.
9. Added photos and securing info to the database from securings performed by claimants, the BLM in the Dolly Varden, Loray, and Kinsley Mountain districts in Elko County.
10. Compiled and completed a CX request packet (Notification and Approval to Secure Mine Hazard) to the BLM for one (1) AML features for a PUF hard closure in the Pine Nut Range in southeastern Carson City County.
11. More photos and securing info was added to the database from hazard securings performed by claimants.
12. Helped George shuttle fleet vehicles to various venues in Reno, and Carson City to receive repairs following the 2013 summer intern season.
13. Compiled original White Pine County Hazard Inventory Sheets to send to the Las Vegas office, and made copies for the Carson City office.
14. Attended the NMA Education Committee meeting in Reno. The discussion included the 2013 Reno workshop and teacher evaluations as well as the planning for 2014 Las Vegas workshop.
15. Toured the Solar Reserve solar power plant near Tonopah along with the CMR Commissioners and staff.
16. Attended the Commission on Mineral Resources meeting in Tonopah.
17. Attended the CMR tour of the Tonopah Historic Mining Park with Commissioners and staff

AML / GIS (RACHEL)

1. Updated the weekly mines with the most recent information collected by the summer interns and EPS.
2. Loaded the interns GPS units with points to be used during the 10 day trip.
3. Added recent AML securing work to the database. Reports came in from Newmont, USFS, and several other small claimants.
4. Emailed Russ Jones with Barrick and Joan Dunn with Newmont regarding all unsecured sites on Barrick and Newmont claims found in running the most recent query. Received responses from both parties regarding the sites. Barrick submitted securing documentation for several sites. This information was updated in the AML database. Newmont submitted documentation for new hazards that had been secured and will work towards securing additional sites.
5. Conducted routine database QA/QC and added photos to the AML database.
6. Compiled maps and AML statistics for the upcoming CMR meeting in Tonopah.
7. Made maps and hazard ID sheets for backup work to be completed by the summer interns east of Ely.
8. Traveled to White Pine County with Rob in order to meet the summer interns and conduct AML work in the area. Revisited several hazards in the Schell Creek Range and logged several new hazards and non-hazards north of Ely.
9. Assisted summer interns with end of week checklists and data dump. Downloaded all photos taken on my camera and updated the database with non-hazards logged during the week in Ely.
10. Updated and corrected mistakes found in the Weekly Mines report.
11. Worked with one of the summer interns on resolving and rectifying issues with the photos added by the summer interns. Resolved several discrepancies and updated the database and photo database to reflect these changes.
12. Checked all logging forms submitted by the summer interns for errors. Found those errors and marked them for correction.
13. Worked with the summer interns on wrapping up all the data entry and QA/QC that needed to be completed. Trained some of the interns in data entry.
14. Received new logging and securing information from the Forest Service. Cross-referenced photos submitted with those in our database and updated the information in the database accordingly.
15. Ran a query to determine work completed by NDOM and EPS on USFS land from March 1st, 2013 to August 16th, 2013. Queried both for the Humboldt-Toiyabe and Inyo National Forests.
16. Traveled to the Chukar Mine in the Pine Nut Mountains with Rob and Mike in order to conduct down-hole camera surveys on 4 shafts in the region.
17. Stopped by Michael's Cycles in Carson City with Rob in order to research options for ATV's to assist with AML field work.
18. Received new AML logging data from Freeport-McMoRan. Several sites were inventoried by Freeport with the plan to close all sites this fall. When sites are secured documentation will be sent to our office.
19. Received securing photos from Russ Jones with Barrick for sites in the Mill Canyon area north of Cortez. These sites are within Barrick claims and "No Trespassing" signs and locked gates are blocking public access to the site.
20. Completed routine data backup and database QA/QC. Added new photos to the photo archive and added new logged and secured hazard information to the Access database. Downloaded ArcGIS 10.2 and gave the disk to Rob to install on his computer.

21. Created a 2013 intern accomplishment poster to use in the display booth.
22. Traveled to Tonopah for the CMR meeting at the Mizpah Hotel. Toured the Solar Plant and the Tonopah Historic Mining Park.
23. Attended the State Mapping Advisory Board meeting at the Bureau of Mines and Geology.

AML / GIS (ROB)

1. Spent 4 days with Rachel and the summer interns performing field work north of Ely.
2. Created maps and provided photos, securing procedures, contractors lists, and signs to claimants who responded to the July owner notification mail out.
3. Performed an end of summer (tailgate review) of the 2013 intern's field season with Mike, Rachel, and Alan. Discussed 2013 summer interns' successes and possible improvement methods for next year's interns.
4. Helped interns with week end data dump.
5. Helped the interns deep clean all NDOM trucks, wiped 3 years of dirt out of some.
6. Emptied all of the summer interns field trucks, inventoried all AML supplies in the sheds and trucks then resupplied all NDOM field trucks with all necessary field equipment.
7. Sent Thank You /Confirmation letters to claimants who have secured hazards controlled by them due to the July 2013 mail-out.
8. Re-researched hazards ownership when the letters were returned due to a bad address. Compiled new 10 new letters with updated ownership / address information and re-mailed the letters.
9. Created maps and provided photos, securing procedures, contractors lists, and signs to claimants who responded to the July owner notification mail out.
10. Re-researched hazards ownership when the letters were returned due to a bad address or response of sold claims. Compiled five new letters with updated ownership / address information and re-mailed the letters.
11. Was able to contact Sue Fox, contract wildlife biologist for Metallic Goldfield. She is going to provide information and conformation of the backfill project that occurred last year.
12. Was contacted by Joanna Pincus from Greenfield Environmental Multistate Trust LLC. Joanna informed me of that Greenfield purchased Kerr-McGee mining patents in the Pioche and Bristol mine areas in Lincoln County. Joanna provided me a Quitclaim Deed of the transaction. I contacted Bill and Debbie and informed them of the change. Debbie was able to start updating all Kerr-McGee claim status in the database.
13. Created a down-hole camera survey logging form and created an inventory system for all DVD's and logging forms.
14. Performed four down-hole camera surveys at the chucker mine area with Rachel. Surveyed four of the last 5 remaining hazards for possible backfill. Made copies of the videos and notes and provided them to Jenni Jeffers of NDOW for possible wildlife evaluation.
15. Performed QA/QC on the topographic quads that the 2013 interns performed field work. Looked for errors, went through paper hardcopies for both hazards and non-hazards to check for accuracy. Corrected any errors found, and determined if new maps were needed to be made.
16. Performed one down-hole camera survey and two revisits in Douglas County with Rachel and Brian Breiter. Surveyed the last of the hazards for possible backfill in the

- Chukar area. Made a copy of the video and notes and provided them to Jenni Jeffers of NDOW for possible wildlife evaluation.
17. Created maps and provided photos, securing procedures, contractors lists, and signs to claimants who responded to the July owner notification mail out.
 18. Finished preformed QA/QC on the topographic quads that the 2013 interns performed field work. Looked for errors, went through paper hardcopies for both hazards and non-hazards to check for accuracy. Corrected any errors found, and determined if new maps were needed to be made.
 19. Gave a presentation to the Great Basin Rock and Mineral Club on the history of Nevada mining boom and busts of precious metals, base metals, and industrial minerals from 1850 – 1995. Talked about mineral collecting and the importance of Stay Out, Stay Alive. (1 presentation - 28 people)
 20. Inventoried all AML supplies inside the NDOM office.
 21. Helped the interns clean the office, as well as organize the AML supplies in the office.
 22. Inventoried all rock and minerals at the sheds, prepped some rock and minerals for sample boxes.
 23. Helped Mike research and find documentation for the auditor regarding AML mail-outs and notifications.
 24. Registered for the 2013 NAAML P annual conference in Daniels, West Virginia.
 25. Attended the Commission meeting and field trips in Tonopah.
 26. Ended the 2013 Summer Intern Program.

AML / PUBLIC AWARENESS - SOUTH (BILL)

1. Conducted AML claim research for sites in Clark and White Pine counties.
2. Received calls from two entities who received AML notification letters. Provided photos and additional information as requested.
3. Received a call from Bryan Moore NPS – Lake Mead National Recreation Area regarding two AML sites in need of securing repairs they were notified of. The sites lie within an NDOT right-of-way for the extension of the Boulder City/Hoover Dam by-pass freeway. NPS will visit the sites next week to assess repair needs.
4. Assembled materials and supplies for work with the summer intern crew in White Pine County and the McCaw School of Mines Foundation Board retreat in Eureka scheduled for next week.
5. Worked with the intern crew, Rob and Rachel on AML logging and securing activities in White Pine County.
6. Conducted AML claim research at the White Pine County recorder's office.
7. Logged in six BOR closures completed in White Pine County.
8. Attended NvMA Education Committee meeting – Reno. Discussed 2013 Reno workshop and teacher evaluations. Planning for 2014 Las Vegas workshop.
9. Secured one AML hazard near Rhyolite, Nye County.
10. Assisted Mike Visser and John Penton with down-hole video of two mine shafts located southwest of Tonopah in Esmeralda County.
11. Met with Mimi Rodden, Bill Wahl, Ann Carpenter, Ed Jucevic and Don Southwick at the Tonopah Historic Mining Park to evaluate inventory software (Past Perfect 5.0) for cataloguing the contents of THMP. (This may be applicable for an inventory of the McCaw School of Mines.)
12. Received numerous calls and e-mails from parties receiving AML notification letters. Provided the information requested including maps, photographs, contractor lists and warning signs.

13. Participated in a conference call to update the status of the BOR closure program in White Pine County. The BOR crew is currently working on projects in other states and will be available in November. BLM is working on completing NEPA for additional closures in Clark County for the crew to work on beginning in November
14. Meeting with Mimi Rodden and James Eason to discuss diversion of Division funds from fencing on the west side of the Tonopah Historic Mining Park to repairs to the Mizpah shaft cribbing and repairs to the Desert Queen shaft head frame.
15. Work on a Nevada AML PowerPoint presentation for the NAAMLMP conference in West Virginia scheduled for September 22-26.
16. Continued to respond to calls and e-mails from parties receiving AML notification letters. Provided the information requested including maps, photographs, contractor lists and warning signs.
17. Conducted AML claim research for sites in Clark and White Pine Counties.
18. Investigated an open pit mine for the recipient of an AML notification letter. Took GPS readings for coordinates for portions of the pit highwall where signs are recommended. Sent owners a location map and spreadsheet of the suggested sign locations.
19. Re-visited two unsecured AML hazards just inside Valley of Fire State Park southwest of Overton, NV. The sites have been given to an Eagle Scout candidate for his Eagle Scout Service Project.
20. Completed work on the Nevada AML PowerPoint presentation for the NAAMLMP conference in West Virginia. Sent copy to the hosting agency.
21. Received calls from two new Eagle Scout candidates requesting AML securing projects. Projects were identified and packets were sent out to both Scouts. Scout projects will commence in Clark County after October 1.
22. Participated in a tour of the Ruby Hill Mine with fellow McCaw School of Mines Foundation Board members and McCaw staff.
23. Attended a McCaw School of Mines Foundation Board meeting in Eureka, Nevada (facilities provided by Ruby Hill Mine).
24. Contacted by two new Eagle Scout candidates, Jonathan Rolle (#171) and Todd Polley (#172) for AML securing projects in Clark County.
25. Visited the Solar Reserve solar power plant under construction near Tonopah with Commission on Mineral Resources members and staff.
26. Attended the Commission on Mineral Resources meeting in Tonopah.
27. Toured the Tonopah Historic Mining Park with Commissioners and staff.
28. Manned display and attended the Nevada Mining Association-sponsored National Mine Rescue Competition event in Reno. The display featured "Stay Out and Stay Alive" materials and other information and was visited by an estimated 200 people. Congratulations to the Newmont Carlin rescue team for winning this national competition!!

GEOHERMAL (LOWELL)

1. Reviewed Terra-Gen's sundry notice to perform mechanical integrity testing on the 36-14 production well. UIC approved of the procedure. Received BLM notification of approval. Alan approved.
2. Reviewed Gradient Resources sundry notice to extend the total depth of the 38(25)-21 production well from 9,000 feet measured depth to 10,000 feet measured depth (8,458 feet TVD). Mike approved.
3. Reviewed ORNI 15 LLC's (Ormat Nevada) sundry notice for a pump install in the Jersey Valley 86(87)-28 production well. Mike approved.

4. Reviewed US Geothermal's sundry notice for a drilling program change. Mike approved.
5. Reviewed Gradient Resources' sundry notice to waive the logging requirement for the Patua 14(11)-28 ST1 well bore. Request was presented to NDOM due to the close proximity of the sidetrack to the original well bore, 14-28. Mike approved.
6. Reviewed ORNI 47 LLC's (Ormat Nevada) sundry notices to install pumps in the Wild Rose 54A-11, 65-11, 65A-11, and 85A-11 production wells. Alan approved.
7. Reviewed the previous completion methods of the Gradient Resources' Patua 21-19 production well. Gradient Resources wants to re-classify the 21-19 as an injection well. UIC had information the top 27 feet of the surface casing is gravel packed. Spoke with Ken Bonin, now retired, concerning my previous request for Gradient to extract the gravel and perform a cement top job. Ken verified the work had been performed, as well as Virgil Welch, previous drilling superintendent for Gradient, at a cost of approximately \$60,000. Subsequent paperwork submitted by Gradient also confirmed the work-over.
8. Reviewed Gradient Resources' sundry notices to re-classify the Patua 36A-15, 23-17, 36-17, 37-17, 85-19, and 44-21 production wells to injection wells. Received UIC approval. Mike approved.
9. Wells drilling: Gradient Resources Patua 21-19 production well; Gradient Resources Patua 38(22-28)-21 ST3; Gradient Resources Patua 14(11)-28 production well (8,447', preparing to run liner; HSS II Tuscarora 33-7 observation well.

OIL AND GAS (LOWELL)

1. Reviewed Noble Energy's permit application and drilling/completion programs for the proposed M2C-M2-S1 well. This well is to be located in Elko County, northeast of Deeth, in T34N, R58E, SE4 NW4 Section 2. The permit application and drilling/completion programs were provided to NDEP. The proposed total depth of this vertical well is 12,422 feet. Alan approved.
2. Reviewed Noble Energy's permit application and drilling/completion programs for the proposed M2C-M2-S2 well. This well is to be located in Elko County, northeast of Deeth, in T34N, R58E, NE4 NW4 Section 2. The permit application and drilling/completion programs were provided to NDEP. The proposed total depth of this vertical well is 12,422 feet. Alan approved.
3. Reviewed Noble Energy's permit application and drilling/completion programs for the proposed M2C-M2-S3 well. This well is to be located in Elko County, northeast of Deeth, in T34N, R58E, SW4 NW4 Section 2. The permit application and drilling/completion programs were provided to NDEP. The proposed total depth of this vertical well is 12,422 feet. Alan approved.
4. Drilling/Completion: Makoil Portuguese Mountain 14A-12 (5,340' (PBTD), shut-in, evaluating well); Makoil Leoman Spring 1-32 (2,550', drilling with directional drillers to try to keep well vertical).
5. Noble Energy is mobing in the H&P Flex-Rig #330 to the Humboldt M2-M2C-21B location to the east-southeast of Elko. The well is expected to spud the week of 9/1/2013 to 9/7/2013.
6. Reviewed Makoil's sundry notice to perform a well stimulation operation on the Portuguese Mountain 14A-12. Received BLM approval for the stimulation. Received UIC approval for the disposal of fluids in the Munson Ranch 11-23 disposal well. Received BLM approval for the disposal of fluids in the Munson Ranch 11-23 disposal well. Alan approved.
7. Drilling/Completion: Makoil Portuguese Mountain 14A-12; Makoil Leoman Spring 1-32 (plugged and abandoned).

OTHER (LOWELL)

1. Built spreadsheets illustrating known 'open' geothermal and oil wells in Nevada, and their related bonding, for the discussion related to bonding in the upcoming CMR meeting on August 15th.
2. Attended Commission on Mineral Resources quarterly meeting and tour in Tonopah August 15th and 16th
3. Furloughed on Thursday, August 29th.
4. Due to upcoming trip to Elko on September 2nd (Labor Day), I took the holiday on Friday, August 30th.