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ALAN R. COYNER
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ACTIVITY AND ACHIEVEMENTS

February 2010

ADMINISTRATION (ALAN)

1. Attended the “Minerals for a Green Society” conference in Washington DC.
2. Participated in congressional briefings at the offices of the five members of the Nevada delegation. Met with the member with the exception of Senator Reid.
3. Met with Secretary of State Ross Miller to discuss mining fraud.
4. Participated in a USACE RAMS conference call concerning legislative efforts for funding during the FY2011.
5. Responded to an inquiry from former state senator Bob Beers concerning oil and gas exploration in Nevada.
6. Responded to Ryan McGinness of the Governor’s DC office concerning possible intervention by Nevada in the Earthworks v. DOI lawsuit over mill site claims.
7. Received information from Lyon County residents concerning activities at the Bango oil reprocessing facility and a request to make inquiries to NDEP concerning ongoing strong odors from the facility, as brought up in a State Environmental Commission hearing.
8. Responded to a request from CPG Consulting of Australia concerning a list of permitted mining projects in Nevada.
9. Monitored events concerning a fire at Magma’s Soda Lake geothermal plant.
10. Received a letter from Ireland, Inc. with a response to the recent study done by NBMG at the Columbus Salt Marsh precious metal project.
11. Contacted various companies with cash bonds posted with NDOM for oil, gas, and geothermal well plug and abandonments and informed them that could post a CD and avoid having the cash possibly swept by legislative action.
12. Submitted additional information and projections to the Budget Division and to Legislative Counsel Bureau concerning budget reductions and the potential sweep of portions of the three NDOM budget accounts (operational, mining reclamation bond pool, and oil, gas, and geothermal cash bond account) to the general fund.
13. Provided information to the Legislative Counsel Bureau on the number of mining claim filings received by NDOM over the past five years.
14. Provided additional information on a daily basis to the Legislative Counsel Bureau concerning mining claims and claimants in Nevada.
15. Received calls from several assemblymen and senators requesting additional information concerning the number of mining claims and claimants in Nevada.
16. Received many emails concerning the additional mining claim fee proposed by the Legislature in AB 6.
17. Monitored activities associated with the Special Session of the legislature.
18. Facilitated the CMR meeting in Las Vegas.
19. Responded to Budget Division concerning overtime and furloughs taken by Division personnel to date in FY2010.

20. All NDOM staff completed the required furlough days in February resulting in reduced staff compensation, less work accomplished, and no savings to the state general fund.

RECLAMATION BOND POOL (DOUG)

1. Responded to audit requests for information on the status of two participant's bonds.
2. Spoke with Bravo Alaska about increasing a notice level bond.
3. Prepared a notice level bond for Bravo Alaska to be issued the next week.
4. Spoke with Calibre Mining Corp about a partial release.
5. Initiated a partial release of a notice level bond for Quaterra Alaska.
6. Initiated a total release for one of Quaterra Alaska's notice level bonds.
7. Spoke with Betsy McGreer, a contractor for the Western Governors' Association, about the bond pool. She is exploring ways timber companies can obtain bonding for their activities. Apparently timber companies are having difficulty finding commercial surety.

MINING, LAND AND OTHER ISSUES (DOUG)

1. Spent two days interviewing Summer Intern candidates at UNR with Mike and George.
2. Started a preliminary ranking of Summer Intern candidates. Began checking references of summer intern candidates.
3. Approved one sundry notice for Enel, one permit for NGP, and 26 permits for TG holes for Standard Steam.
4. Provided information to NV Energy on mine closures in the last 5 years.
5. Cleaned up all problems on the 2008 annual status and production reports.
6. Worked with Alan and Wanda on budget forecasts.
7. Attended the CMR meeting in Las Vegas. Toured the McCaw School of Mines.
8. Started a review of NBMG's map of mines, oil fields, and geothermal areas. Finished my portion of the review of NBMG's map of mines, oil fields, and geothermal areas. This map is being reviewed by others at NDOM as well.
9. Helped a walk-in customer about the Potosi Mine.
10. Alan and I met with Stan Levers of B.V. Nevada Corp. He has nearly completed removal of the structures and scrap at the Gooseberry Mine. The hoist and headframe remain. He will be securing the Gooseberry production shaft by welding railroad rails across the steel doors and covering with ~4 feet of earth.
11. Put together mining claim filing information and sent it to Sarah Coffman at the Legislative Counsel Bureau (LCB). Dealt with Sarah Coffman at the Legislative Counsel Bureau again about numbers of mining claim filings.
12. Spoke with a person in Denver about cement.
13. Monitored the Legislative Special Session via the internet.

AML / PUBLIC AWARENESS - NORTH (MIKE)

1. Conducted summer intern interviews with Doug and George at UNR. 27 students were interviewed in two days. The official job announcement will close on February 9th and we will have 30 days from then to make offers on the 6-8 positions.
2. Met with Brian Breiter (Environmental Protection Services) and reviewed his Clark County AML work. He has completed the requested securing work there and will return to the revisit program in Washoe County in hopes of completing it while the weather remains conducive to field work. Images of all securing work were sent to LV office.
3. Attended NvMA Education Committee meeting via conference call.

4. Terraco Gold requested and received several AML signs for use in securing several AML hazards in Pershing County.
5. Followed up with NVAPPS recruiter Ann Avitia regarding summer intern applicants and status of those in top tier of initial consideration following our interviews the prior week. Called three interviewed students to inform them that their applications were incomplete and needed to be finished and submitted by the deadline in order to be considered for the positions. In all, 68 people applied and 35 successfully passed the NVAPPS pre-screening process. George, Doug and I will review notes and work with Linda and Paul to prioritize our selections for intern consideration.
6. Continued work on editing file names of scanned slides from AML archive. State Archives has finished scanning all the Nye County slides and will next begin scanning the Clark County slides. Edited, renamed, and organized over 1,300 image files of scanned Nye County slides and photographs documenting inventory and securing work.
7. All that will remain to be scanned will be those from Esmeralda County and some photographs submitted to us as unsolicited securings.
8. George is nearly complete with the annual mail-out of 4th and 8th-grade mining curriculum mini-units (2,328 total) and “Stay Out, Stay Alive” brochures (80,465 total) to every public and private school in the state.
9. Contractor TerraSpectra submitted their monthly work progress report and invoice for approval signature. They have made significant progress on several tasks and we have scheduled time to review their work in person while we are in Las Vegas for the CMR meeting next week.
10. Along with Bill and Debbie, met with TerraSpectra staff to review work on automating non-hazard information from pre-2005 scanned topos of the Reno-Carson corridor. To date, 1,175 annotated features have been captured from 25 topo map scans, with 191 features requiring additional clarifying information. Most of the questions required intimate knowledge of the site, map, and investigator. TerraSpectra had 24 systematic questions prepped in GIS to run through during our visit. Fortunately, most questions could be answered by Bill or me. Monthly meetings similar to this would be helpful and are planned.
11. Sent email to Carol Weiss (ACOE) and Mohamed Estiri (Eco & Associates) to updating them on previous week’s meeting and review with TerraSpectra regarding the AML tasking work they’re performing.
12. Received and fulfilled a request, from Ryan Whitchurch (Ecology and Environment, Inc.), for information on abandoned mine shaft in Tecoma District, Elko County. Researched NBMG Mining District Files database and found information needed. Supplied info and link to database for future use.
13. Picked up scanned slides from, and supplied new ones for scanning to, State Archives. Image files from scanned slides were transferred to the AML computer and will have file names amended as time allows.
14. Katie Miller (NDOW) provided AML logging information on two sites in Elko County. One of which NDOM had recorded, another was new and was added to the database along with her logging photograph.
15. Broke rock and mineral samples at shed for use in rock/mineral kits handed out at upcoming Teachers Workshops.
16. Replied to email request from Nathan Bracken (Western States Water Council, advisory body affiliated with Western Governors Association) for Nevada AML background and

information on potential Good Samaritan AML projects pending, planned or under consideration.

17. Coordinated with teacher at Ester Bennett ES for various presentations and associated schedules in March.
18. Attend portion of National Abandoned Mine Land Programs' business meeting via conference call.
19. Prepared samples of rocks and minerals for handout at Westergard Elementary School Science Fair. Manned booth at event and answered questions on mining, minerals and geothermal energy to approximately 180 attendees.
20. Listened to portions of legislative special session via the internet for potential impacts to agency and AML program.
21. Reviewed draft copy of NBMG's Active Mines and Energy Producers map, completed review form and submitted comments.
22. Assembled a list of preferred candidates for summer internship and made offers to eight students. All eight accepted our offers of employment prior to the March 1 hiring freeze.
23. Contacted BLM-Elko personnel about AML database issues for Tuscarora region.

AML / GIS (PAUL)

1. Worked with Debbie Selig to post photos for White Pine County to the NDOM FTP site for her to download.
2. Loaded current photo database onto passport drive and sent to NDOM Las Vegas office.
3. Worked on labeling photos and correcting errors in AML photo database.
4. Received an email from Houston Mitchell requesting information about doing an Eagle Scout project in Elko County. Sent an email back to Houston to let him know that considering the proposed restrictions for State Offices, it would be a couple weeks before I would know if it could be done.

AML / PUBLIC AWARENESS - SOUTH (BILL)

1. Logging in AML securing and re-visit work completed by the EPS crew in Clark County.
2. During the week of 1/25 through 1/30, the EPS crew completed 7 fences, 5 barricades, posted warning signs at 5 hazards and re-visited 7 previously secured hazards.
3. The Bureau of Reclamation crew completed 13 bat gates/culvert gates and 1 backfill in Clark County.
4. Attended a meeting at Terra-Spectra Geomatics for updates on AML program GIS technology advances.
5. Conducted AML claim research – Clark County.
6. Purchased fencing materials for Cody Echler's Eagle Project scheduled for Feb. 20, 2010. Obtained 88 recycled T-posts from the BOR AML closure crew.
7. Completed Cody Echler's Eagle Scout project east of Searchlight. Three hazards were secured and three hazards were re-secured. This is the 109th completed Scout project.
8. Conducted reconnaissance visit to Stefano Retis' Eagle project area near Searchlight. Three existing fences will be repaired for the project. (Scout # 132).
9. Conducted a site visit to 6 orphan hazards southwest of Goodsprings – possible candidates for an Eagle Scout project – moderate hike will be required.
10. PowerPoint presentation to the Gold Searchers of Southern Nevada on placer gold in Southern Nevada, mining and processing of microscopic gold and AML - 60 attendees.
11. Debbie Selig set up the new Las Vegas office GIS computer.
12. Las Vegas office staff attended a NvMA Education Committee meeting in Reno.

13. Prepped barite, galena, garnet, pyrrhotite, basalt, conglomerate, gneiss and schist samples for mineral and rock kits for the 2010 Las Vegas teacher workshop.
14. Work in-progress on maps and road logs for tours for the Las Vegas teacher workshop.
15. Field trip maps for the Las Vegas teacher workshop completed and sent to NvMA to forward to the company who will provide bus services.
16. Led a tour of the McCaw School of Mines for the Bureau of Reclamation AML construction crew that is closing abandoned mines in Clark County.
17. Participated in a tour of the McCaw School of Mines with the Tonopah Historic Mining Park Foundation Board – attended THMP Board meeting held at the McCaw School of Mines.
18. Attended the CMR meeting in Las Vegas and toured the McCaw School of Mines.
19. Debbie Selig worked out of the Carson City office on set-up of new Division computers, assist with budget and AML database updates.

GEOHERMAL (LOWELL)

1. Attended the CMR meeting in Las Vegas.
2. Attended the Salt Wells Energy Projects (EIS) meeting at the Bureau of Reclamation offices in Carson City on February 24th. Attended the BLM – Geothermal Industry quarterly meeting on February 24th.
3. Coordinated approval by NDOW to allow Standard Steam to initiate and progress with their temperature gradient drilling program in the Marys River area.
4. Met with Ormat Nevada at their Reno office to discuss the upcoming Desert Peak EGS (Enhanced Geothermal System, a.k.a. fracking) Project that will utilize the Desert Peak 27-15 production well (on private lease). John Menghini, Sheila Mallory, and Marcie Purkey of the BLM were also present at the meeting due to the potential effect of the EGS activity in the surrounding BLM acreage.
5. Reviewed bonding options with geothermal operators who have cash drilling bonds with NDOM.
6. Reviewed downhole propellant stimulation with Kim Niggemann of Nevada Geothermal Power. The review was in response to know how receptive the State is to downhole propellant stimulation, and what data/information may be required by the State.
7. Reviewed Enel North America's sundry notice to initiate a tracer survey in the Stillwater Field. Discussed utilization of the isotopes with Russ Land at UIC, where Russ issued a favorable response to the survey. Doug approved.
8. Reviewed Enel North America's sundry notice to utilize propellant stimulation in their Stillwater 11-1 injection well. Reviewed with Russ Land. Alan approved.
9. Reviewed Enel North America's sundry notice to utilize propellant stimulation in their Stillwater 53-30 production well. Notified Russ Land of this request. Alan approved.
10. Reviewed Homestretch Geothermal's Flow Test Work Plan submitted to NDOM and DWR for the upcoming Wabuska production tests.
11. Reviewed Magma Energy's proposed ten hole temperature gradient drilling program in the Desert Queen area, immediately east of Ormat Nevada's Desert Peak area.
12. Reviewed Magma's sundry notice to utilize a propellant stimulant in the Soda Lake 41-33 and 41B-33 production wells. BLM was involved with the 41B-33 well due to it being directionally drilled into adjacent BLM lease. BLM approved the stimulation procedure. Alan approved.
13. Reviewed NBMG map for oil, gas, and geothermal errors or additions.

14. Reviewed Nevada Geothermal Power's sundry notice to decrease both total depth and casing sizes in their Blue Mountain 41-27 injection well. Reviewed with Russ Land at UIC. Alan approved.
15. Reviewed Ormat Nevada's Jersey Valley 86-16 sundry notice to run blank 9.625" liner, perforate liner, and run propellant stimulant to enhance existing fracture system to create greater permeability. Alan approved.
16. Reviewed Ormat Nevada's McGinness Hills 57C-22 and 66B-22 production well permit applications with Alan. Alan approved.
17. Reviewed Ormat Nevada's permit applications for two production holes at McGinness Hills, 57(B)-22R and 66A(P)-22R. Coordinated new naming of wells policy with John Menghini and Sheila Mallory at the BLM State Office in Reno. From this point forward the naming of wells will follow these guidelines (example shown below): *1) A well is permitted in Kettleman block 33 of Section 6, a production drill. The well will be named 33-6. 2) A second well is to be permitted in Kettleman block 33 of Section 6, an injection well. The well will be named 33A-6. 3) A third well is to be permitted in Kettleman block 33 of Section 6, an observation well. The well will be named 33B-6. 4) No preference will be given to the type of well being permitted to the alpha character assigned to it...first come, first serve type of assignment. The alpha character will follow the Kettleman number rather than the Section number.* The two Ormat wells above were renamed 57C-22 and 66B-22.
18. Reviewed Ormat Nevada's sundry notice for the McGinness Hills 86-16 production well. Ormat Nevada wants to re-enter the well, run liner to total depth and flow test well. Waiting to hear that the BLM has approved the operation.
19. Reviewed Ormat Nevada's sundry notice to clean out their McGinness Hills 86-16 production well, run 9.625" blank liner, perforate, and utilize gas propellant stimulation. Alan approved.
20. Reviewed Ormat Nevada's sundry notice to plug back and side track the Jersey Valley 81A-28 well. Discussed with John Menghini at the BLM State Office. Alan approved.
21. Reviewed permit extension requests for five Nevada Geothermal Power temperature gradient holes in their Black Warrior area. Permits were extended one year.
22. Reviewed Project Area permit application from Standard Steam Trust for their Mary's River project. Doug approved.
23. Reviewed Sierra Geothermal Power's permit applications for two observation wells at the Silver Peak Project area, 43-14 and 74A-11.
24. Reviewed Standard Steam's permit application for their temperature gradient hole #23 in the Marys River area. Alan approved.
25. Reviewed the Peppermill Casino Geothermal Monitoring Report.
26. Reviewed twenty-six temperature gradient hole permit applications and associated paperwork for the Standard Steam Trust Mary's River Project Area. Twenty-six holes to be drilled on BLM lease. Doug approved. Drilling is expected to commence by early March 2010.
27. Traveled to Las Vegas and attended the Nevada Joint Military Affairs Committee meeting on Wednesday, February 10. Met with Lt. Col. Kimberly Gilbert-Mason and John Peterson concerning the two geothermal wells drilled on the Hawthorne Army Depot. The two wells were not permitted by NDOM. John Peterson will be sending the wells pertinent data to NDOM in the near future. Future drilling will be a joint venture with a private operator, where the holes to be drilled will have to be permitted with NDOM. Lt. Col. Kimberly Gilbert-Mason gave an overview of the geothermal project

area at the Hawthorne Army Depot. The Army is anticipating a 30MW geothermal electrical generation plant will be supported on the Depot's grounds. The geothermal group at the China Lakes Naval Weapons Base and the Great Basin Center for Geothermal Research (Lisa Shevenell's group) will assist in future exploration efforts at the Hawthorne Army Depot.

28. Wells drilling: Ormat Nevada Jersey Valley 81A-28 production well (5,595', testing well; 5,595', setting kick off plug at ~3165'; and 5,595', reaming to bottom); Ormat Nevada Jersey Valley 87-28RD production well (3,400', flow tests; preparing to rig down; 3,400', rigged down, moving rig to Ormat Nevada's McGinness Hills 58B(P)-22 location); Ormat Nevada Gabbs Valley TGH 72-24 (1,000, rigged down, moved to 43-24); Ormat Nevada Gabbs Valley TGH 43-24 (505', drilling; 1,000, rigged down, moved to 26-78); Ormat McGinness Hills 58B(P)-22 (rigging up; 1,805', drilling; and 1,910', nipping up to 13.375" casing); Nevada Geothermal Blue Mountain 15-14 injection well (4,840', ran 7" liner to 4,811', rigging down, moving off location); Nevada Geothermal Blue Mountain 91-15 injection well (7,150', drilling; 7,770', drilling; 8,359', reaming hole; and 8,359', moving rig to BM 41-27); Nevada Geothermal Blue Mountain 41-27 injection well (rigging up); Sierra Geothermal Power Silver Peak 38-11 observation well (2,321', coring HQ core; 2,807', coring HQ core; 3,062', coring NQ core; and 3,770', coring NQ core); Sierra Geothermal Power Alum 26-19 observation well (805', on standby for rig; and 1,239', drilling); Vulcan Power Patua 36-15 (2,075', drilling); Vulcan Power Patua 23-17 (1,000', BOPE tests); Vulcan Power Patua 37-17 (6,870', drilling); Vulcan Power Patua 45-9 (3,588', coring).

OIL AND GAS (LOWELL)

1. No oil & gas related activities.