

This report provides a summary of environmental monitoring and compliance activities conducted by Burns and McDonnell (BMcD) staff and BMcD subconsultants for the San Diego Gas & Electric (SDG&E) Sunrise Powerlink Project during the above weekly time period.

Training

- SWEAP training continued for new Project personnel every Tuesday and Thursday. Additional trainings were provided as requested.
- On 5/17/2011, a Project Monitor Training was conducted by Burns and McDonnell at the Alpine Community Center for environmental monitors on the Project. There were approximately 110 people in attendance.

Preconstruction

- Avian biologists surveyed for nesting birds prior to work commencing in an area with guidance and concurrence from the California Department of Fish and Game (CDFG), United States Fish and Wildlife Service (USFWS), and California Public Utilities Commission (CPUC). For any active nests found, a buffer was established and no construction activities were permitted within the buffer area without first consulting with agencies. Active nests were mapped and monitored for success or failure and updated on the nest monitoring log.
- QA/QC was performed for footing staking at CP20, CP24-1, CP27, CP28-1, CP33A, CP37-2, CP39, CP42-1, CP47-2, CP48-2, CP49-1, CP50-1, CP52, CP56-1, CP57, CP58-1, CP62A, CP64-2, CP65-1, CP66-2, CP68-1, CP71, CP72-2, CP73-2, CP74-2, CP75-1, CP77, CP78-2, CP81-1, CP82-1, CP106-1, CP107, CP108, and CP109-1. Temporary Extra Work Space (TEWS) staking occurred at EP331, EP332, EP334, EP335, EP336, EP338, EP340, and EP341. Signage and flags were added to access roads from EP345 to EP348.
- Flagging was refreshed at EP313, EP322-1, EP323-1, EP324, EP325-2, EP326-1, EP328-1, and EP329-1.

Construction

- Monitors were present during construction activities to ensure compliance with mitigation measures as identified in the Final EIR/EIS Mitigation Monitoring, Compliance, and Reporting Program. Archaeologists, Paleontologists, and Native American Monitors were present at sites where required as identified prior to construction activity and as approved in the NTPs.
 - 10 Archeological Monitors were present
 - 98 Biological Monitors were present
 - 11 Native American Monitors were present
 - 3 Paleontological Monitors were present
 - 8 SWPPP Monitors were present
 - 2 UXO Monitors were present
- Project staff carpooled to site reviews, kick-off tailgates, and off-site meetings. Construction and traffic control crews were observed carpooling from yards to work areas.
- Deterrents were utilized to discourage bird nest building activities throughout the Project. Deterrents are determined depending upon the location and type of possible nesting areas and may include metallic flagging, compact discs, plastic owls, and the presence of biological monitors.

- Link 5
 - Conventional foundation was drilled at CP25-2.
 - Concrete prep work (rebar installation) and concrete pouring occurred at CP25-2.
 - Conventional structure assembly was conducted at CP25-2 and CP26.
 - Foundation cleanup occurred at CP25-2 and CP26.
 - Steel was erected at CP25-2 and CP26.
 - BMP maintenance was conducted throughout Link 5.
- 69kV Reconductoring Line
 - One new steel cable pole was set on the west side of Rue Biarritz Underground.
 - Trenching occurred at Rue Biarritz Underground between paved streets and poles; began backfill activities.
 - Removal of old conductor and cleaning of conduit occurred at Scripps Ranch Blvd., underground, in preparation for pulling the new conductors.
 - Completed reframe (installing rollers) on the poles between Alliant and Rue Biarritz.
 - Survey staked corners of Miramar.
 - BMP maintenance was performed on both the TL639 and TL6919.

Suncrest Substation

- Link 3
 - Rough grading continued on the pad.
 - Rock and soil were excavated from the northern and eastern portions of the pad and compacted in the northwest corner of the pad to bring it up to final grade.
 - The soil retention wall in the southeastern portion of the pad was completed.
 - The SWPPP monitor conducted required inspections before, during, and after the rain event this week. A punch list was developed for Beta Engineering and their contractor for areas in need of maintenance following the rain event. BMP repairs were initiated within 72 hours following the rain event.
 - Culvert installation along Bell Bluff Truck Trail continued.
 - Drain pipe installation continued.
 - Drilling and blasting also occurred in several locations on the pad.

Underground

- Link 4
 - The Hells Angels held an event in Alpine. Construction activity was reduced on 5/20/2011 and minimal construction was conducted on 5/21/2011 to maintain safety.
 - On the Bauer property, a black-chinned hummingbird was observed flushing from the nest during excavation activity. The biologist recommended and the construction crew complied with halting activity to allow the bird to return to the nest. A visual barrier was also erected which encouraged the hummingbird to remain on the nest for longer periods of time. The Contract Administrator also suggested redesign of a pole anchor to reduce disturbance to the nest.
 - Potholing occurred from V9L to V10L.
 - Excavating occurred at V10L, V12R, and V14R.
 - Ins and outs occurred at V2L, V5L, and V9R.
 - Trenching occurred from V2L to V4L, V7L to V8L, and V11L to V12L.
 - Pre-drilling and drilling occurred from V4R to V7R.
 - Saw cutting occurred from V4R to V7R.
 - Encasement pouring occurred from V2L to V4L.

- Proofing occurred from V6R to V7R, V5L to V6L, V8L to V9L, and V12L to V13L.
- Milling and setting plates occurred from V2L to V3L, V7L to V8L, and at V12R.
- Paving occurred from V3L to V5L, V8R to V9R, and at V14R.
- Vault setting occurred at V14R.
- Bridge work occurred at the Viejas Creek Bridge.
- Shoring occurred at the Alpine Creek bore site.
- Cable pulling and testing occurred from V14L to V17L.
- Grading occurred at the Loritz Property
- Striping occurred on Alpine Blvd.
- Digging pole holes for acoustic reduction blankets occurred at Bauer Bridge.
- Conduit package and backfilling as well as water line installation occurred at the Highway 8 bore site.
- BMP installation and maintenance continued along Alpine Blvd. and at the Bauer and Loritz Properties.

Substation Upgrades

- Imperial Valley Substation
 - Structure assembly completed.
 - Trenching occurred in Bay #4 for cable vaults to tie into the control building.
 - Wiring occurred in the control room.
 - Active nest monitoring continued.
- Encina Switchyard
 - Foundations were drilled although this was limited due to ground water.
 - Dead-end structure assembly took place.
 - Continued gas circuit breaker, potential transformer, switch stands, and bus supports work.
 - Active nest monitoring continued.
- San Luis Rey Substation
 - Roel mobilized on site.
 - Disconnect work conducted by SDG&E crews.
 - Active nest monitoring continued.
- Sycamore Canyon Substation
 - Forming pads for circuit breakers, switch stands, and 138 kV transformer.
 - Active nest monitoring continued.
- Scripps Ranch Substation
 - Work completed on the 69kV bus and disconnects except for two places that cannot be accessed at this time.
 - Active nest monitoring continued.

Construction Yards

- Jacumba Valley Ranch (JVR) Yard
 - Material staging and tower assembly continued.
 - The yard was utilized for helicopter activities.
- Helix Yard
 - Material staging and tower assembly continued and are nearing completion.

- Hartung Yard
 - Material staging and tower assembly continued and are nearing completion.
- Kreuzkamp Yard
 - Access roads were graded.
 - Material staging and tower assembly continued.
 - BMP work occurred.
- SWAT Yard
 - Material staging and tower assembly occurred.
 - Set up of water towers for dust control occurred.
- Bartlett-Hauser Yard
 - Access roads were graded.
 - Material staging and tower assembly continued.
 - The yard was utilized for helicopter activities.
 - BMP and storm water dewatering work occurred.
- Wilson Yard
 - Material staging and tower assembly continued.
- Rough Acres Yard
 - Material staging and tower assembly continued.
 - The yard was utilized for helicopter activities.
- Alpine Upper Yard
 - Material staging and wire stringing preparation activities continued.
- Alpine Regional Field Office
 - No work occurred at this location during this reporting period.
- Thomas Yard
 - Material staging and delivery activities occurred.
- Plaster City Yard
 - Material staging and tower assembly continued.
 - The yard was utilized for helicopter activities.
 - New visual screening shade cloth test section was installed.
 - FTHL and VEE monitors were onsite as needed.
- Dunaway Yard
 - Material staging and tower assembly occurred.
 - FTHL and VEE monitors were onsite as needed.
- IV Substation Yard
 - Installation of perimeter fencing was completed.
 - Grading and improvement of access road into the yard occurred.
 - FTHL and VEE monitors were onsite as needed.

Wildlife Reporting

The following listed or Species of Special Concern were found dead in Project construction limits during this reporting period:

- Coast patch-nosed snake (*Salvadora hexalepis virgultea*): One (1) was on the Suncrest Substation access road. The snake was most likely run over by a vehicle or piece of equipment.
- Flat-tailed horned lizard (*Phrynosoma mcalli*) – One (1) flat-tailed horned lizard was removed from the work area at IV Substation Yard by a permitted biologist.

The following listed or Species of Special Concern were relocated during construction activities this reporting period:

- Flat-tailed horned lizard (*Phrynosoma mcalli*) – Nine (9) flat-tailed horned lizards were relocated from the work area at IV Substation Yard by a permitted biologist.
- Two-striped garter snake (*Thamnophis hammondi*) – Two (2) two-striped garter snakes were relocated at Kreutzkamp Yard.
- Red-diamond rattlesnake (*Crotalus ruber*) – Two (2) red-diamond rattlesnakes were relocated; one (1) at Hartung Yard and one (1) at Kreutzkamp Yard.

The following non-threatened wildlife resources were relocated during construction activities this reporting period:

- Helix Yard – 1 gopher snake relocated.
- Kreutzkamp Yard – Approximately 2000 juvenile western toads, 1 adult western toad, 1 gopher snake, and 1 tiger whiptail relocated.
- Hartung Yard – 8 western toads, 1 tiger whiptail, long-nosed snake, and California meadow vole relocated.
- Plaster City Yard – 1 desert sidewinder relocated.

Spills/Hazardous Waste

- 69 kV Reconductoring
 - 5/19/2011: A release of approximately 2 ounces of diesel fuel occurred at 9990 Rue Biarritz, San Diego, CA 92131 when a small container of the fuel was knocked over. The release was immediately contained and cleaned up.
 - 5/19/2011: A release of approximately 8 ounces of trench water occurred on Scripps Ranch Blvd., 50 yards West of Aviary Drive, San Diego, CA 92131 when a fitting on a vacuum truck was found dripping. The leak was immediately contained and the water was cleaned up. Both of the above were reported to the City of San Diego, Storm Water Reporting.

Non-Compliances

- SDGE received Project Memorandum #5 on 5/16/2011 for a water truck driver leaving the approved access road outside of the Project area near EP340.

Variations and TEWS

- 5/3/2011, Variance #14 was approved for modification of the Construction Yard Visual Screening Plan to utilize visual screening blankets instead of the originally proposed slatted fencing. The variance stated that testing of the fabric would occur within 10 days of the variance approval at the Helix Yard. The testing location was changed from the Helix Yard to the Bartlett-Hauser Yard due to pre-existing agricultural-related plastic debris at Helix Yard that would have interfered with helicopter activities. The testing occurred on May 13, 2011, and the material

- failed testing. A findings memo is being developed with amendments for visual screening.
- 5/18/2011, Variance #15 was approved for an additional access route to Tower EP 84. This route will provide for safer access to EP84 and minimize rutting during rain events as the proposed alternative route is in better condition than the original approved access. The route would reduce environmental impacts by minimizing mud tracking and further road damage on the main access road when the soil is saturated. It would also allow vehicles and equipment necessary site access without the need for additional grading as the road already exists.
 - 5/2011, Variance #16 was approved to add vehicle and equipment parking areas along Alpine Boulevard and Willows Road. The locations requested under this variance for Project vehicle and equipment parking are; 1) along Alpine Boulevard where it crosses Divellos Drive, 2) along Alpine Boulevard where it crosses Peutz Valley Road, 3) at 5480 Willows Road East, and 4) at 3900 Willows Road West. Activities at these locations would consist of the staging and movement of construction equipment and heavy trucks, and vehicle parking to allow for additional carpooling on the Project and reduce traffic interruptions along the Alpine Boulevard portion of the underground 230kV construction right-of-way. The requested area is pre-disturbed; it has been utilized for parking by non-Project entities since before the Sunrise Powerlink Project began construction.

Weather

During this period, a rain event began on 5/16/2011. Cumulative precipitation totals were recorded on 5/19/2011 and 5/20/2011, depending upon the Project area.

The following precipitation was recorded:

- Alpine HQ and Yard, 0.5 of an inch
- Rough Acres Yard, 0.6 of an inch
- Jacumba Valley Ranch Yard, 0.2 of an inch
- Link 1, 0.2 of an inch
- Link 2, SWPPP 1, 0.9 of an inch
- Link 2, SWPPP 2, 0.6 of an inch
- Link 3, Suncrest Substation, 0.73 of an inch
- Link 3, Wilson Yard, 0.73 of an inch
- Link 4, 0.5 of an inch
- Link 5, 0.3 to 0.5 of an inch
- 69 kV, 0.55 of an inch
- Encina Switchyard, 1.15 inches

Post-storm inspections were conducted on 5/20/2011 and 5/23/2011. BMP installation and maintenance were conducted in areas as needed.



Juvenile western toads relocated for protection at the Kreutzkamp Construction Yard, 5/20/2011.
Photo courtesy of Randy Burke.



Bauer property, Anna's hummingbird, 5/20/2011.
Photo courtesy of Shawn Johnston.