

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.
- Wire Stringing Awareness Training was conducted for Project personnel on Tuesday.

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 EP22-1, EP23-2, EP24-1, EP25-2, EP29-2, EP31-1, EP33-1, EP34-1, EP35-1, EP37-2, EP40-1, EP41, EP43-1, EP44, EP48, EP50, EP57-2, EP63, EP64, EP69, EP349, CP103-2, CP104-1, and CP105-1.

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.
 - 11 Archeological Monitors were present
 - 88 Biological Monitors were present
 - 15 Native American Monitors were present
 - 4 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.
- The table below demonstrates the construction progress to date:

OVERHEAD		
Agency	Foundations Completed	Towers Erected
Non-Federal	19 of 168	8 of 168
Bureau of Land Management	14 of 180	0 of 180
US Forest Service	0 of 76	0 of 76
UNDERGROUND		
Agency	Vaults Installed	Trenches Excavated & Backfilled
Non-Federal	31 of 40	9 of 42
SUBSTATIONS		
1 of 7		

Overhead

- 69kV
 - Scripps Underground – Pumped and cleaned all manholes.
 - Scripps Underground – Spliced and terminated MH120988 and MH120986.
 - Scripps Underground – Pulled new cable from Scripps Substation to MH120984.
 - Scripps Underground – Continued pulling new cable between MH120986 and MH120984 and between Scripps Substation and MH120988.
 - Scripps Underground – Spliced and terminated MH120987 and MH 120984.
 - Scripps Underground – Spliced and terminated the rack within the Scripps Substation.
 - Scripps Underground – Continued pulling new cable between Scripps Substation and MH120986.
 - Rue Biarritz Underground – Continued with cleaning conduit and pulling new conductor, repairing sidewalks, and reclamation of lawn area near Structure 973033.
 - Rue Biarritz Underground – Worked on cleaning conduit and pulling new conductor.
 - Rue Biarritz Underground – Continued backfilling trench and repairing concrete sidewalks.
 - Alliant Pull Site – Completed the clipping and sagging of conductors between Pole 771473 and Rue Biarritz (Pole 973032).
 - Alliant Pull Site – Pulled new conductor (restring) on the section between Pole 771473 and Rue Biarritz (Pole 973032).
 - Alliant Pull Site – Staged equipment at Pole 771473 in preparation for restringing of the section between Alliant Pull Site (Pole 771473) and Rue Biarritz (Pole 973032).
 - Completed installation of underground riser (conduit) at Pole 973033.
 - Completed clipping and sagging of new cable at Poles 774824, 774823, and 774819.
 - BMP crew completed maintenance work at Structures 973035 through 678465 on TL6916.
 - Completed reframe work on Structure 171647.
 - BMP crew completed maintenance work on Structures 171647 through 775953 on TL639.
 - Started reframe work in Miramar between Structures 171671 and 171647.

- Staked out access road and work area within the TL 6916 at Pole Sites 774830, 973039, 774829, 973038, 973037, and 973036.
- Link 1
 - Concrete pouring at EP321, EP322, EP329, EP331, EP328, EP332, and EP360.
 - Various foundation work (capping, curing, cage installation, etc.) at EP321, EP322, EP327, EP328, EP329, EP331, EP332, EP334, EP336, EP337, EP338, EP339, EP341, EP359, and EP360.
 - Concrete cleanup and demobilization at EP329, EP332, EP339, and EP341.
 - Foundation drilling at EP321, EP322, EP329, EP331, EP332, EP334, and EP360.
 - Micropile at EP223.
 - Grading at EP313, EP316, access roads from EP317 to EP320, EP319, EP332, EP333, EP334, EP334 spur road, EP335, EP337, EP338, access roads from EP342 to EP344, access roads from EP349 to EP354, Dunaway access road to EP352, EP355, EP357, EP358, access roads from EP359 to EP361, SWPL access roads from EP348 to IV Sub Yard.
 - Soil boring at EP319, EP323, EP324, and EP342.
 - BMP maintenance at EP313 access road, EP316, EP318, access roads from EP317 to EP322, Dunaway access road, access road from EP359 to EP360, access road from EP331 to EP341, EP331, EP332, EP334, EP336, EP337, EP338, EP339, EP340, EP342, EP351, EP356, EP358, EP359, EP362, and EP363.
 - Fault trenching at EP335.
 - Steel assembly at EP220, EP328, EP329, EP336, and EP337.
 - Unanticipated cultural and paleontological discoveries were made in the vicinity of EP319, EP320, and EP321 on May 26, 2011; EP321 on May 25, 2011; and EP319 and EP322 on May 24, 2011. In all instances, the procedures and guidelines for Treatment for Unanticipated Discoveries as set forth in the Final Historic Properties Management Plan were implemented. ESA flagging was installed around the discovery and no impact occurred.
- Link 2
 - Pile trimming and testing at EP84.
 - Completed grouting and trimming at EP84.
 - Redrilling one pile EP84.
 - Micropile drilling at EP85-2.
 - Dust generated by helicopter activities at EP85-2 and EP86-1 was controlled with water.
 - Grouting at EP86-1.
 - Fence installation around communication tower at EP87-1TSAP.
 - BMP installation and maintenance at EP79, EP85, and EP93.
 - Three site analysis teams conducted vegetation analysis at EP53-3, EP54-1, EP187-2, EP191-1, and EP192-1.
 - Site Recon/Staking at EP113 and EP141.
 - Vegetation surveys are being completed in the field at EP113, EP121, EP121A, EP122, EP123, and EP190.
- Link 5
 - BMP installation and maintenance at CP25-2, CP25-2, CP20, and from CP40 to CP42.
 - Three site analysis teams conducted vegetation analysis at CP70-3, CP78-2, and CP79-1. A vegetation assessment was not possible at CP69-2 as the survey stakes were missing.
 - Vegetation surveys were completed in the field at CP26, CP27, CP51, CP52, CP53, CP54, CP78, and CP79.

Suncrest Substation

- Link 3
 - Rough grading on the pad continued.
 - Select fill material was placed in the northwest portion of the pad to bring it up to final grade.
 - Installation of permanent drainage system on the pad continued.
 - Hauling rock and soil to the southern portion of the pad occurred.
 - Drilling and blasting occurred in several locations on the pad.
 - Culvert installation along the access road continued.
 - Installation of exclusion fencing at the top of soil retention walls was completed.
 - Concrete footings were poured at Peterson Creek Crossing along the access road.
 - Continued BMP maintenance was performed along access road following previous week's rain event.

Underground

- Link 4
 - Potholing occurred at V14R.
 - Excavating occurred at V10L, V12R, V13R, and the Alpine Creek Bore Site.
 - Transitions (Ins and Outs) occurred at V2L, V6R, and V9R.
 - Trenching occurred from V2L to V3L, V7L to V8L, V6R to V7R, and V11L to V13L.
 - Pre-drilling and drilling occurred from V3R to V6R.
 - Saw cutting occurred from V4R to V5R and V9L to V10L.
 - Encasement pouring occurred from V2L to V3L.
 - Proofing occurred from V2L to V4L, V5L to V6L.
 - Milling and setting plates occurred at V3L and V4R, and from V11L to V12L and V6R to V7R.
 - Paving occurred from V2L to V3L, at V6R, from V7L to V8L, and at V16L and V12R.
 - Vault setting occurred at V12R.
 - Bridge attachment work occurred at the Viejas Creek Bridge.
 - Shoring occurred at the Alpine Creek Bore Site.
 - Cable pulling and testing occurred from V12L to V13L and V14L to V15L.
 - Grading occurred at the Loritz Property
 - Striping occurred on Alpine Boulevard.
 - Digging pole holes for acoustic reduction blankets occurred at Bauer Bridge.
 - Excavation and backfilling occurred at the Highway 8 bore site.

Substation Upgrades

- Imperial Valley Substation – Wiring, conduit installation, trench plate installation, and tower assembly.
- Encina – Forming 138 kV transformer pad near Bay 13, taping the western bus in the 138 kV yard, and fixing circuit breakers in the 230 kV yard.
- San Luis Rey – Disassembling disconnects on north side of the new 230 kV transformer and performing demolition on retaining wall.
- Sycamore Canyon Substation – Forming concrete pads for potential transformers, disconnects, and circuit breakers.
- Scripps Ranch Substation– Pulling 69 kV wiring in three phases.

Construction Yards

- Alpine Construction Yard – Materials storage.
- Alpine Regional Field Office – Trenching in previously disturbed area for installation of an ice machine. Monitored during trenching activity.
- Bartlett-Hauser Yard – Tower assembly and helicopter operations.
- Dunaway Yard – Tower assembly.
- Hartung Yard – Tower assembly.
- Helix Yard – Tower assembly.
- IV Sub Yard – Construction started on 5/26/2011.
- Jacumba Valley Ranch (JVR) Yard – Tower assembly, helicopter operations, 12kV pole clean up, 12kV BMP maintenance, 12kV pole removal, and 12kV wire prep.
- Kreutzkamp Yard – Tower assembly.
- McCain Valley Yard – No work occurred at this location during this reporting period.
- Plaster City Yard – Tower assembly, grading/installation of gravel and rumble plates.
- Rough Acres Yard – Materials storage, helicopter operations, and weed clearing.
- S2 Yard – Fencing yard.
- SWAT Yard – No work occurred at this location during this reporting period.
- Sycamore Yard – No work occurred at this location during this reporting period.
- Thomas Yard – No work occurred at this location during this reporting period.
- Wilson Yard – Tower assembly.

Wildlife Reporting

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

- Two-striped garter snake (*Thamnophis hammondi*) – Two (2) dead two-striped garter snakes; one dropped onto the Alpine Yard by a hawk and one found on the access road to Kreutzkamp Yard.

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

- Flat-tailed horned lizard (*Phrynosoma mcalli*) – Five (5) flat-tailed horned lizards were relocated from the work areas near EP321, EP324, EP357, EP359, and EP360 by permitted biologists.
- Two-striped garter snake (*Thamnophis hammondi*) – Thirteen (13) two-striped garter snakes were relocated at Kreutzkamp Yard.
- Olive-sided flycatcher (*Contopus borealis*) – One (1) olive-sided flycatcher was found on the grill of a work truck in the parking lot at Alpine headquarters.

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

- Kreutzkamp Yard – Approximately 300 western toads, 2 gopher snakes, 4 tiger whiptails, 1 wolf spider, 1 deer mouse, and 1 kangaroo rat.
- Rough Acres Yard – 1 southern Pacific rattlesnake and 2 coast horned lizards.
- Plaster City Yard – 1 desert sidewinder and 1 desert iguana.
- IV Substation – 1 tiger whiptail lizard found under trench cover.

Spills/Hazardous Waste

- 69 kV
 - On 5/25/2011, a release of 4 to 5 ounces of hydraulic fluid occurred on Scripps Ranch Boulevard, near the intersection of Aviary Drive, San Diego, CA 92131, from a failed hose on the excavator. The release was immediately contained and cleaned up.
 - On 5/26/2011, a release of a few drops of hydraulic fluid occurred on Scripps Ranch Boulevard, near the intersection of Aviary Drive, San Diego, CA 92131, from a failed hose on the excavator. The release was immediately contained and cleaned up.
 - On 5/26/2011, a release of 2 ounces of motor oil occurred on Scripps Ranch Boulevard, near the intersection of Aviary Drive, San Diego, CA 92131, from a flatbed truck. The release was immediately contained and cleaned up.
 - All of the above were reported to the City of San Diego, Storm Water Reporting.
- Link 4, UG –
 - On 5/25/2011, a release of half a gallon of hydraulic fluid at the jack and bore site, ¼ mile west of Peutz Valley Road, between Alpine Boulevard and the I-8 Freeway, from a failed hose on the track-hoe. The release was immediately contained, cleaned up, and reported to the Caltrans HazMat Manager.

Non-Compliances

- No non-compliances were issued during this reporting period.

Variations and TEWS

- On May 23, 2011, Variance #16 was approved for the addition of vehicle and equipment parking areas along Alpine Boulevard and Willows Road on Link 4.
- On May 24, 2011, Variance #17 was approved for driveway modification at the Encina Substation to allow access for delivery of the new transformer for the substation.

Weather

- During this period, no rain events occurred and no precipitation was recorded. BMPs were installed or maintained as needed throughout Project areas.



Bauer property bridge is secured for foot traffic only. Pole in center of photo was installed for the breeding bird acoustic blanket. Orange barriers placed behind the pole are a visual shield for the black-chinned hummingbird while the pole was installed.

Photo courtesy of Ken Katsuda.



A pole that was placed for future installation of a breeding bird acoustic blanket on the Bauer property. Behind the pole is a covered stockpile of soil.

Photo courtesy of Ken Katsuda.