

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.

### **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 EP315-1, EP317, EP323-1, EP324, EP252A-1, EP253-2, EP272-3, EP273-1, EP274-1, EP275-1, EP276-1, EP279-1, EP281, EP291-1, EP310, EP311-1, EP312, and EP314. Work area and reference point staking occurred at EP301.
- The ESA Team began installation of the ESA buffer on the SWPL access road between EP326 and EP324. Existing Project speed limit signs were repaired and installed from EP330 to EP313. Damage to the portion of the ESA installed on both the north and south margins of the SWPL access road roadbed from EP326 to EP325 were repaired. A small ESA buffer for an unanticipated discovery on the east side of EP327-N access road was installed. Installation of the ESA on the SWPL access road located between the Evan Hewes Highway and EP331 was completed. The ESA placed on the northern edge of SWPL access road between EP347 and EP346 was repaired and had reflective tape tied to it. The ESA located on the east side of spur road EP349-N was expanded. The ESA at EP362 was expanded due to an unanticipated discovery.

### **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
  - 87 Biological Monitors were present
  - 16 Native American Monitors were present
  - 5 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:

<b>OVERHEAD</b>		
Agency	Foundations Completed	Towers Erected
Non-Federal	38 of 168	8 of 168
Bureau of Land Management	18 of 180	0 of 180
US Forest Service	0 of 76	0 of 76
<b>UNDERGROUND</b>		
Agency	Vaults Installed	Trenches Excavated & Backfilled
Non-Federal	33 of 40	10 of 42
<b>SUBSTATIONS</b>		
1 of 7		

Overhead

- 69kV
  - Scripps Underground – Pumped and cleaned all manholes.
  - Scripps Underground – Spliced and terminated MH 120984, MH120987, MH120988, MH120986, and the rack within the Scripps Substation.
  - Scripps Underground – Pulled new cable from Scripps Substation to MH120984.
  - Scripps Underground – Continued pulling new cable between MH120986 and MH120984, between Scripps Substation and MH120986, and between Scripps Substation and MH120988.
  - Rue Biarritz Underground – Continued with cleaning conduit and pulling new conductor, repairing sidewalks, backfilling the trench, and reclamation of lawn area near Structure 973033.
  - Rue Biarritz Underground – Worked on cleaning conduit and pulling new conductor.
  - 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 installation was completed in the following areas:
    - TL6916 at Structures 973035 through 678465.
    - TL639 at Structures 171647 through 775953.
  - Completed reframe work on Structure 171647.
  - Started reframe work in Miramar between Structures 171671 and 171647.
  - Staked out access road and work area within TL 6916 at Pole Sites 774830, 973039, 774829, 973038, 973037, and 973036.

- Link 1
  - Micropile drilling at EP223.
  - Micropile trimming and cleanup at EP221-2.
  - Tower Assembly at EP219 (set-up), EP220, EP244, EP322, EP327, EP336, EP338, EP339, and EP343.
  - Ground resistance testing at EP209-1, EP210, EP211, EP213, EP214, and EP215.
  - Conventional drilling at EP318, EP319, EP320, EP333, EP356, and EP359.
  - Various foundation work (capping, curing, cage installation, etc.) at EP318, EP319, EP320, EP331, EP332, EP333, EP334, EP340, EP356, EP359, and EP360.
  - Concrete pouring at EP318, EP320, EP333, and EP359.
  - Concrete cleanup at EP320-1, EP321, EP322-1, EP331, EP334, EP359, and EP360.
  - One pull site vegetation analysis team worked to assess, EP313, EP322-1, EP330-1, EP338, EP343, EP349, and EP355.
  - Grading occurred at the following tower sites:
    - EP321, EP354, EP355, and EP357
  - Grading of the existing access road occurred between the following tower sites:
    - EP324 and EP326, EP313 and EP316, and EP347 and EP363.
  - Grading of new spur roads occurred at the following tower sites:
    - EP319, EP333, EP335, EP354, and EP355.
  - BMP maintenance conducted at EP227, EP232-1, EP313, EP317, EP319, EP320, EP321, EP322, EP323, EP324, EP333, EP335, EP337, EP338, EP348, EP352, EP356, EP357, EP360, EP362, at watershed crossings between EP316 and EP329, at watershed crossings between EP331 and 341, and along the SWPL access road between EP348 and EP363.
  - UXO found between EP333 and EP334 and was safely removed for disposal.
  - Flat-tailed horned lizard (FTHL) monitors and Visible Emission Evaluators (VEEs) were onsite as required.
- Link 2
  - Pile trimming, testing, and site cleanup at EP84.
  - Micropile drilling at EP85-2.
  - Dust generated by helicopter activities at EP85-2 was controlled with water.
  - One guard structure team assessed guard structure work areas adjacent to EP10-2 and EP27-1.
  - Grout testing at EP86-1.
  - Completed fence installation around communication tower at EP87-1TSAP.
- Link 5
  - Structure assembly at CP17-1.
  - BMPs maintained on spur roads leading into CP25-2, CP26, CP40-2, CP41-2, and CP42-1, and at structures CP19, CP20, CP21, and CP22.
  - Hydro-mulch was applied to the slope at the base of CP26 for soil stabilization.

### Suncrest Substation

- Link 3
  - Rough grading on the substation pad and along Bell Bluff Truck Trail 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.
- BMP maintenance was performed as needed along Bell Bluff Truck Trail.

### Underground

- Link 4
  - Potholing occurred at V14R.
  - Excavating occurred at V10L and V13R.
  - Transitions (Ins and Outs) occurred at V4R, V6R, and V10L.
  - Trenching occurred from V4L to V5L, V5R to V7R, V7L to V8L, V11L to V12L, and at V18R.
  - Pre-drilling and drilling occurred from V3R to V5R, V9R to V10R, and V9L to V10L.
  - Saw cutting occurred from V9L to V10L, V13R to V14R, and at V18R.
  - Encasement pouring occurred from V6R to V7R.
  - Pre-racking manholes for ABB (also cleaning for ABB) at V6L and V7L.
  - Proofing occurred from V2L to V3L and V7L to V8L.
  - Milling and setting plates occurred at V4R and V5R to V6R, V6R to V7R, at V9R, at V13R, and from V14R to V18R.
  - Paving (including paving prep) occurred near V6R to V7R, V7L to 8L, and at 9R.
  - Vault setting occurred at V10L and V13L.
  - Bridge attachment work occurred at the Viejas Creek Bridge.
  - Cable pulling and testing occurred from V2L to V3L, V13L to V14L, V13R to V14R.
  - Jointing (splicing) occurred at V17L.
  - Grading occurred at the Loritz Property and V19R.
  - Acoustic blankets delivered and installed at Bauer Bridge.
  - Work continued at the Jack and Bore Site, Highway 8 (CalTrans) and at the receiving pit on the north side of Highway 8.
  - Preparation for boring began at the Alpine Creek Bore Site.

### Substation Upgrades

- San Luis Rey
  - Roel Construction built forms and excavated 230 kV cable trench on north side of transformer.
  - SDG&E worked on 69 kV bus upgrades and disconnects.
  - Roel Construction was working on the conduit excavation on north side of the new 230 kV transformer.
  - SDG&E was working on retrofitting Bay 4 in the 69 kV bus.
- Encina
  - Roel Construction working on the 138 kV transformer pad near Bay 13 and drilling new holes to form new piers
  - SDG&E crews were working on the western bus in the 138 kV portion of yard.
- Scripps
  - PAR completed pulling 69 kV wire into substation.
- Sycamore
  - Roel was forming concrete pads for disconnects, circuit breakers, and switch stand in Bays 26 and 21.
  - DCX finished drilling piers in Bay 21.

- IV
  - SDG&E was working on control house wiring and tower assembly.

#### Construction Yards

- Alpine Construction Yard – Materials storage.
- Bartlett-Hauser Yard – Tower assembly and helicopter operations.
- Dunaway Yard – Tower assembly.
- Hartung Yard – Tower assembly.
- Helix Yard – Tower assembly.
- IV Sub Yard – Construction of the yard continued.
- 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.
- Plaster City Yard – Tower assembly and grading/installation of gravel and rumble plates.
- Rough Acres Yard – Materials storage, helicopter operations, and weed clearing.
- S2 Yard – Fencing yard and small equipment mobilization.
- 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:

- Flat-tailed horned lizard (*Phrynosoma mcalli*) – Two (2) flat-tailed horned lizards were found dead; one (1) on the road near EP 325, and one (1) at EP360 apparently after it ran under the tire of a piece of equipment and buried itself in the sand.
- Coast patch-nosed snake (*Salvadora hexalepis virgultea*) – One (1) was found dead along the access road to Suncrest Substation. The snake was most likely run over by a piece of equipment or vehicle.

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; one on the SWPL access road near EP320, two from the SWPL access road near EP325; one near the SWPL access road at EP355, and one at EP358. All flat-tailed horned lizards were relocated to an area deemed safe by a permitted biologist.
- Western red-diamond rattlesnake (*Crotalus ruber*) – One (1) western red-diamond rattlesnake was relocated from the work area at Wilson Yard.
- Coast patch-nosed snake (*Salvadora hexalepis virgultea*) – One (1) coast patch-nosed snake was relocated from the Suncrest Substation access road to a safer area.
- Two-striped garter snake (*Thamnophis hammondi*) – Nine (9) two-striped garter snakes were relocated from the work area at Kreutzkamp Yard.

The following non-listed (not Species of Special Concern) were relocated during construction activities this reporting period:

- Dunaway Road Yard – 1 desert patch-nosed snake and 2 zebra-tailed lizards were relocated from the work area.
- Kreutzkamp Yard – 11 juvenile western toads, 1 striped-tail scorpion, 1 tiger whiptail, and 1 side-blotched lizard were relocated from work area.
- Plaster City Yard – 2 desert iguanas were relocated from the work area.
- Rough Acres Yard – 1 coast horned lizard was relocated from work area.
- S-2 – 1 desert sidewinder snake, 1 desert horned lizard, and 1 desert iguana were relocated from the project area.
- Wilson – 8 California voles were relocated from the work area.

### **Spills/Hazardous Waste**

- 69 kV
  - On 6/1/2011, approximately 6 to 8 ounces of diesel fuel was released at 9990 Rue Biarritz, San Diego, CA 92131. The release was from construction equipment where expansion of diesel in a full tank was released from the vent. It was immediately contained and cleaned up. Reporting was made to the City of San Diego, Storm Water Reporting.
- Link 1
  - EP320 – On 6/2/2011, a release of approximately 50 gallons of melted ice water (potable water) occurred from a cooler used to preserve concrete samples. The concrete samples were not in the cooler at the time of the release. The release reached a dry wash, East Coyote Wash, 13-DW-13. Electronic reporting was made to the State Water Resources Control Board and the Army Corps of Engineers. The contractor was directed to move the cooler and place in an area that would prevent a release.
- Link 4, Underground

On June 1, 2011, the following summary for the month of May 2011 was submitted to the County of San Diego, Department of Public Works, Watershed Protection Program. All of these releases were to the storm water conveyance system (road) but did not reach the storm drain or storm water system.

- On 5/4/2011, approximately 1 gallon of radiator coolant was released near the intersection of Alpine Boulevard and Tavern Road, Alpine, CA 91901. The release was caused from an overheated crane. This release was previously reported in a voice mail.
- On 5/12/2011, approximately 1.5 gallons of hydraulic fluid was released near 2351 Alpine Boulevard, Alpine, CA 91901. The release was caused from a failed hose on a lowboy trailer.
- On 5/25/2011, approximately 6 ounces of motor oil was released near 1237 Alpine Boulevard, Alpine, CA 91901. The release was caused from a construction vehicle.

All of the above releases were immediately contained and cleaned up.

### **Non-Compliances**

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

## Variations and TEWS

- No variations or TEWS were approved during this reporting period.

## Weather

During this period, a rain event occurred on 5/29/2011. Cumulative precipitation totals were recorded on 5/31/2011. The following precipitation was recorded:

- Alpine HQ and Yard, 0.25 of an inch
- Link 3, Suncrest Substation, 0.2 of an inch
- Link 5, 0.3 to 0.2 of an inch

BMPs were installed or maintained as needed throughout Project areas.



Western red-diamond rattlesnake (*Crotalus ruber*) relocated from the active Suncrest Substation construction site. *Photo courtesy of Alicia Hill.*



Constructed tower sections at the Hartung Construction Yard. *Photo courtesy of Randy Burke.*