

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.
- Flat-tailed horned lizard (FTHL) trainings were provided to any new crew members or monitors prior to construction per mitigation measure B-7b and in accordance with the FTHL Rangewide Management Strategy. During morning tailboard meetings, guidelines were provided about recognizing, protecting, and notification requirements for FTHL. FTHL information cards were made available to any crew members or monitors as needed.
- Barefoot banded gecko trainings were provided to crews prior to pre-construction activities per the California Department of Fish and Game (CDFG) 2081 Incidental Take Permit.

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 EP2-3, EP3-3, EP4-3, EP5-2, EP6-1, EP7-1, EP13-3, EP14-1, EP15, EP16-1, EP17, EP120A, EP121-3, and EP240.
- Work areas were refreshed at EP258-3, EP259-3, EP259B-2, EP261, EP261A, EP263, EP264-4, EP265-2, EP267-2, EP269-1, EP270-2, EP271-2, EP272-3, EP273-1, EP274-1, EP275-1, EP276-1, EP277, EP278-1, and EP279-1.
- The ESA Team conducted the following activities during this reporting period:
 - Peninsular bighorn sheep-specific signage was posted between EP299 and EP300 and EP313 and 312.
 - ESA signs were posted at EP240, EP262-4, EP262-4TSAP, EP263A-2TSAP, EP266TSAP, EP269 pullsite, EP270TSAP, EP271, EP274, and EP274TSAP.

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.
 - 15 Archeological Monitors were present
 - 101 Biological Monitors were present
 - 15 Native American Monitors were present
 - 4 Paleontological Monitors were present
 - 9 SWPPP Monitors were present
 - 1 UXO Monitor was present

- Project staff carpoled 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	45 of 168	16 of 168
Bureau of Land Management	36 of 180	14 of 180
US Forest Service	0 of 76	0 of 76
UNDERGROUND		
Agency	Vaults Installed	Trenches Excavated & Backfilled
Non-Federal	33 of 40	18 of 42
SUBSTATIONS		
1 of 7		

Overhead

- Link 1
 - Ground resistance testing was conducted at EP219, EP220-1, EP244, EP316, EP318, EP319, EP328, EP331, EP358, EP359, EP361, EP362, and EP363.
 - Grading occurred at the following tower sites:
 - EP300, EP307, EP308, EP309, EP348, EP350, EP351, EP352, EP353, EP354, and EP355.
 - Grading of the existing access road occurred on:
 - SWPL access road from EP295 to EP300-1 and from EP307 to EP313.
 - Micropile drilling occurred at EP310, EP311, EP312, and EP324.
 - Conventional drilling occurred at EP240, EP295, and EP296.
 - Various foundation work (capping, curing, cage installation, etc.) occurred at EP240, EP295, EP296, EP358, and EP362.
 - Concrete pouring occurred at EP295.
 - Form removal and cleanup at EP353, EP358, and EP362.
 - Foundation QC from EP208 to EP217, EP239, and EP240.
 - Tower assembly occurred at EP213, EP215, EP217, EP218, EP220, EP243, EP244, EP319, EP329, EP331, EP333, EP342, EP345, EP348, EP350, EP351, EP352, EP353, EP354, EP356, EP357, EP358, EP359, EP360, and EP361.

- BMP crew performed maintenance at the following tower sites:
 - EP219-1 (hydromulch), EP227, EP232-1, EP240, EP300 to EP305, EP307 to EP312, EP314, EP317, EP318, EP323, and EP324.
- BMP crew performed maintenance on the following access roads:
 - EP215, EP253, EP303, EP304, EP306, and EP307.
- Six unanticipated paleontological fossil discoveries were found in the vicinity of EP307, along the access road and pad site for EP308, along the access road between EP309 and EP310, EP309, EP310, and along the access road between EP311 and EP312. Samples were collected and the appropriate agencies were notified in accordance with the approved Paleontological Monitoring and Discovery Treatment Plan.
- An unanticipated cultural discovery was identified in the vicinity of EP338. Work was stopped while the site assessment occurred.
- Desert pavement was salvaged from pull sites associated with EP338/EP339 and EP343/EP344.
- Trained FTHL monitors and Visible Emission Evaluators (VEEs) were onsite as required.
- Link 2
 - Site reconnaissance was conducted from EP89 to EP93.
 - BMPs were maintained from:
 - EP79 to EP93.
 - BMPs were maintained on access roads associated with:
 - EP79 to EP93.
- Link 5
 - Conventional drilling occurred at CP40-2 and CP22-1.
 - Rebar was installed and concrete poured at CP22-1 and CP40-2.
 - Forms were stripped and cleaned up at CP19-1 and CP22-1.
 - Foundation QC occurred at CP19-1, CP22-1, and CP40-2.
 - Dust at CP42-1 was controlled with water.
 - Micropile drilling occurred at CP42-1.
 - BMP crew conducted maintenance from:
 - CP20 to CP24-1 and CP40-2 to CP42-1.
 - BMPs were maintained on access roads associated with:
 - CP17-1, from CP23 to CP26, and CP40-2.
 - Grading occurred on the access road leading to CP20 through CP24.
- 69kV
 - Two poles were replaced at TL639 Locations #76 and #79.
 - Hardware was replaced on an existing pole at TL639 Location #80.
 - BMPs were refreshed along TL639 from Locations #1 to #85.
 - BMPs were refreshed along TL6916 from Locations #20 to #48.

Suncrest Substation

- Rough grading on the substation pad and along Bell Bluff Truck Trail.
- Hauling material from the northern and southeastern sections of the pad to the southern portion of the pad and from the eastern section of the pad to the northeast and southern sections of the pad.
- Construction of soil retention wall in the southern portion of the pad.
- Installation of the permanent drainage system in the northeast quadrant of the pad.
- Pier drilling for foundations.
- Constructing forms for foundation pads.
- Pouring concrete in the down drains and brow ditches along Bell Bluff Truck Trail and for foundations.

- Drilling on the southeastern and eastern sections of the pad with blasts set off in the same locations in the afternoon.
- Dust control measures.

Underground

- Potholing (including verifying conduit) from V11R to V12R and at Viejas Creek Bridge.
- Excavation at V19R.
- Transitions (Ins and Outs) at V5R, V15R, and V16R.
- Trenching between V2R to V3R, V7R to V8R, V9L to V10L, V12R to V14R, and V18R to V19R.
- Pre-drilling/drilling near V10L, V19R, and V19R to Viejas Creek Bridge.
- Saw Cutting from V7R to V8R, V9R to V10R, V11R, V14R to V15R, and V18R to V19R.
- Pouring of encasement from V2R to V3R.
- Pre-racking manholes for ABB (and cleaning) at V6R, V8R, V9R, V9L, V15L, V16R, V16L, and V17L.
- Proofing from V3R to V4R and V5R to V6R.
- Milling and setting plates at V2R to Caltrans bore site, V7R, V10L, V15R, V12R to V13R, V16R to V17R, and V18R to V19R.
- Paving (including prep) near V2R to V3R, V7R, V9L to V10L, V15R, V16R, V18R, and V18L.
- Bridge attachment at Viejas Creek Bridge.
- Cable pulling (and testing) from V6L to V7L, V8R to V9R, and V8L to V9L.
- Installed halo from V8R to V9R and V16R to V18R.
- Grading at the Loritz Property.
- Work on bore and jacking/receiving pits at the Highway 8 bore site (Caltrans bore site).

Substation Upgrades

- San Luis Rey
 - Roel Construction continued to install 230 kV conduit and cable from the new transformer into the 230 kV yard.
 - Concrete slurry was poured into the trench to secure conduit and wire pull boxes.
 - SDG&E continued working on 69 kV bus upgrades below the 230 kV yard and disconnect installation in Bays 3 and 4 around scheduled outage.
- Encina Switchyard
 - Roel Construction worked on excavating around pads for wire pull boxes and conduit between Bays 1 through 8.
 - Roel trenched between wire pull boxes to install conduit.
 - Chula Vista Electric was onsite performing the wiring, conduit installation, and grounding under Roel Construction.
 - Paul Hanson was onsite working on water valve relocation and piping.
- Scripps
 - No construction-related activities occurred during this reporting period.
- Sycamore
 - Roel Construction was onsite working on below grade in both Bays 21 and 26.
 - DCX was onsite drilling outside the 69 kV bus.
 - Roel crew was setting rebar cages into newly drilled holes near the 69 kV rack.
 - SDG&E crews were onsite installing A-frame structures and delivering materials for scheduled upgrades.
- Imperial Valley (IV)
 - SDG&E was working on control house wiring in 500kV portion of yard.
 - SDG&E worked on tower assembly.

Construction Yards

- Alpine Construction Yard – Materials staging, steel deliveries, and weed maintenance.
- Bartlett-Hauser Yard – Helicopter operations and foundation work staging.
- Dunaway Yard – Tower assembly and QC.
- Hartung Yard – Tower assembly and QC.
- Helix Yard – Helicopter operations, foundation work staging, tower assembly and QC, and rumble plate replacement.
- IV Sub Yard – Water supply for surrounding areas only.
- Jacumba Valley Ranch (JVR) Yard – Helicopter operations, foundation work staging, and tower assembly and QC.
- Kreutzkamp Yard – Tower assembly and QC.
- Plaster City Yard – Helicopter operations, foundation work staging, and tower assembly and QC.
- Rough Acres Yard – Helicopter operations, materials staging, steel deliveries, and tower assembly and QC.
- S2 Yard – Tower assembly and QC and water tank installation.
- SWAT Yard – Tower assembly and QC, weed wash station, and water supply for Wilson Yard.
- Sycamore Yard – No activities in this reporting period.
- Thomas Yard – Materials staging and steel deliveries.
- Wilson Yard – Helicopter operations, staging materials for Suncrest Substation, tower assembly and QC, and weed maintenance.

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*) – Three (3) dead FTHLs were found within construction limits; one on the SWPL access road near EP360, one in the access road leading from EP313 to EP312, and one on the SWPL access road between EP310 and EP311.
- Silver legless lizard (*Anniella pulchra pulchra*) – Four (4) silver legless lizards were found dead on Alpine Boulevard. One was associated with Project construction but the other three were not.
- Brown pelican (*Pelicanus occidentalis*) – One dead brown pelican was found dead at the IV Substation. Cause of death was not construction related.

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

- Flat-tailed horned lizard (*Phrynosoma mcalli*) – Seven (7) adult FTHLs were relocated; two (2) from EP362, one (1) from EP360, one (1) from EP350, two (2) from the SWPL access road near both EP358 and EP360, and one from EP353.
- Silver legless lizard (*Anniella pulchra pulchra*) – One (1) silver legless lizard was relocated from the Bell Bluff Truck Trail.
- Coast patch-nosed snake (*Salvadora hexalepis virgultea*) – One (1) coast patch-nosed snake was relocated from Kreutzkamp Yard.
- Two-striped garter snake (*Thamnophis hammondi*) – One (1) two-striped garter snake was relocated from Kreutzkamp Yard.
- Northwestern San Diego Pocket Mouse (*Chaetodipus fallax fallax*) – One (1) NW San Diego pocket mouse was relocated from Kreutzkamp Yard.

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

- Kreutzkamp Yard – One western fence lizard, one Baja California coachwhip snake, two coastal tiger whiptail lizards, one juvenile night snake, one San Diego pocket mouse, one California vole, and two California coachwhip snakes were relocated.
- S2 Yard – One (1) desert horned lizard was relocated.
- IV Substation – Two (2) desert banded geckos, one (1) sidewinder, and one (1) tarantula were relocated.

Spills/Hazardous Waste

- Courtesy notification reporting was made to the County of San Diego, Department of Public Works, Watershed Protection Program representative, for storm water conveyance system releases during the month of June 2011. During this 30-day period, six minor releases occurred along the Underground, Link 4 portion of the Project, and were immediately cleaned up. None of them reached the storm water system.

Customer Complaints

- No customer complaints or landowner concerns were recorded during this reporting period.

Non-Compliances

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

Variances and TEWS

- Variance Request #19 was approved on June 29, 2011, to erect a temporary test tower at the Rough Acres Ranch Construction Yard to complete test flights for heavy lift helicopter operations.
- Temporary Extra Work Space (TEWS) requests were approved for parking and staging on the SWPL spur roads adjacent to EP324 (#13) and EP300, EP302, EP306, EP307, and EP312 (#14).

Weather

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



MSE wall at Suncrest Substation. *Photo courtesy of Mark Meridith.*



Rebar cage and stub angle set-up. *Photo courtesy of Rosina Gallego.*



Encina Switchyard wire pull boxes and conduit. *Photo courtesy of Jim Gibson.*