

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**

- Environmental training continued for new Project personnel every Tuesday and Thursday. Additional trainings were provided as requested.
- One-day flat-tailed horned lizard (FTHL) trainings were provided on May 11, 12, and 13, 2011, in El Centro, CA.
- Hermes Copper Butterfly Training was provided on Tuesday, May 10, 2011 in Alpine, CA.

### **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.
- Environmentally sensitive areas (ESAs) were staked from EP346 to EP347 along the SDG&E Southwest Powerlink (SWPL) access road. Access road signage was installed from Old Highway 80 to EP228, EP313 to EP328, Carrizo Creek Rd. to EP245, Carrizo Creek Rd. to EP248, EP250, EP254, and EP291 to EP312. Signs were refreshed as needed from EP363 to EP291. “No Grading” signs were posted from EP231 to 237 and at EP250.

### **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
  - 80 Biological Monitors were present
  - 8 Environmental Monitors were present
  - 14 Native American Monitors were present
  - 4 Paleontological Monitors were present
  - 8 SWPPP Monitors were present
  - 2 UXO Monitors were present
- At tower sites CP25-2 and CP26, a golf-type cart is being used to shuttle workers from the access road parking area to the work areas. 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 could 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 Drilled	Towers Erected
Non-Federal	35 of 744	7 of 186
Bureau of Land Management	5 of 716	0 of 179
US Forest Service	0 of 304	0 of 76
<b>UNDERGROUND</b>		
Agency	Vaults Installed	Trenches Excavated & Backfilled
Non-Federal	29 of 40	8 of 38
<b>SUBSTATIONS</b>		
A portion of the Imperial Valley Substation was energized the weekend of April 30 <sup>th</sup> .		

Overhead

- Link 1
  - Conventional foundations were drilled at EP330, EP337, and EP339.
  - Conventional foundations were poured and form disassembly occurred at EP330 and EP344.
  - Conventional foundations were poured at EP 330-1, EP337, EP339, EP344, and EP361.
  - Concrete prep work was conducted at EP330, EP337, EP339, and EP344.
  - Removal of forms, stripping, and concrete cleanup was conducted at EP330, EP337, EP338, EP343, and EP344.
  - Conventional structure assembly was conducted at EP213 and EP220-1.
  - Micropile soil boring was conducted at EP361 and EP363-1.
  - Micropile drilling was conducted at EP221A.
  - BMP crews conducted activity along the 12kV line in the Jacumba Valley Ranch area..
  - BMP crews conducted activities at EP211, EP220-1, EP327 access road, EP328-1 access road, and EP330.
  - Grading occurred at EP220 (crane pad re-grading), EP322-1, EP322-1 spur road, EP327, EP327 access road, EP328-1, EP339, EP339 access road, EP351, EP351 spur road, EP353 access road, EP356, EP356 spur road, EP359, EP360, EP360 spur road, EP361, EP362-1 access road, EP362, EP362 access road, and EP363-1 access road.
  - Road work was conducted along the access road that runs from EP331 to EP341.
  - FTHL and Visible Emissions Evaluator (VEE) monitors were onsite as needed from EP313 to EP363.
  - Unanticipated cultural discoveries were made in the vicinity of EP351 and EP361 on May 9 and 13, 2011, respectively. In both instances, ESA flagging was installed around the discovery and no impact occurred.
  - An unexploded ordinance (UXO) was discovered at EP359. A UXO monitor inspected the device and safely removed it from the work site.
- Link 2
  - Micropile drilling was conducted at EP84 and EP86-1.

- Micropile grouting was conducted on one pile at EP84 due to the drill functioning improperly.
- A helicopter dropped water to control dust at EP86-1.
- BMP maintenance was conducted at EP79 and EP84.
- Link 5
  - Conventional foundation was drilled at CP25-2.
  - Concrete prep work (rebar installation) and concrete pouring occurred at CP25-2.
  - Foundation cleanup occurred at CP26.
- 69kV Reconductoring Line
  - One new wood cable pole and one new steel cable pole were set at Rue Biarritz.
  - On the underground portion, trenching occurred from the paved street to the cable poles on both ends of the underground section.
  - At Scripps, removal of old conductor and the cleaning of manholes and conduit occurred.
  - On the TL6919, reconductoring was completed on the section between Ironwood and Alliant.
  - Reframing activities occurred between Alliant and Rue Biarritz.
  - BMP maintenance was performed on both the TL639 and TL6919.

#### Suncrest Substation

- Link 3
  - Rough grading continued on the pad.
  - Drilling and blasting continued in several locations on the pad.
  - Rock and soil were excavated and compacted in various locations on the pad and compacted behind the soil retention wall in the northern drainage in order to bring up grade.
  - Cutting and filling sections of Bell Bluff Truck Trail continued to bring up grade.
  - The soil retention wall in the southern drainage was completed and work was begun on the third wall in the southeastern portion of the pad.
  - The SWPPP monitor conducted daily inspections and worked with the contractor for areas in need of repair.
  - Box culvert and drainage installation along Bell Bluff Truck Trail and sections connected to the northern sediment basin continued.

#### Underground

- Link 4
  - Potholing occurred from V5R to V7R, V12R, and V14R to V15R.
  - Excavating occurred at V10L and V14R.
  - Ins and outs occurred at V2L, V3L, V5L, and V9R.
  - Trenching occurred from V3L to V5L, V7L to V8L, and V8R to V9R.
  - Pre-drilling and drilling occurred from V5R to V7R and V7L to V8L.
  - Encasement pouring occurred from V3L to V5L.
  - Proofing occurred from V6L to V7L and V12L to V14L.
  - Milling and setting plates occurred from V2L to V4L, V10L, and V8R to V9R.
  - Paving occurred from V3L to V5L, V11L to V12L, V8R to V9R, and V15R.
  - Vault setting occurred at V15R.
  - Bridge work occurred at the Viejas Creek Bridge.
  - Shoring occurred at the Alpine Creek bore site.

- Cable pulling and testing occurred from V16L to V18L.
- Redevelopment occurred on Alpine Blvd. from South Grade Rd. west for 600 ft.
- Conduit package and water line installation occurred at the Highway 8 bore site.
- BMP installation and maintenance occurred continued along Alpine Blvd. and at the Loritz property.
- No activity occurred at the Bauer Bridge location due to active nest buffer restrictions.

### Substation Upgrades

- Imperial Valley Substation
  - Conventional foundations were drilled.
  - Conventional structure assembly occurred.
  - Gas circuit breaker, potential transformer, switch stands, and bus supports were installed.
  - 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
  - Conventional foundations were drilled.
  - Conventional structure assembly occurred.
  - Active nest monitoring continued.
- San Luis Rey Substation
  - Gas circuit breaker, potential transformer, and switch stand pads were installed.
  - Grounding installation and drilling pier holes for the perimeter fence continued.
  - Active nest monitoring continued.
- Sycamore Canyon Substation
  - Conventional foundations were drilled.
  - Active nest monitoring continued.
- Scripps Ranch Substation
  - Work on the 69kV bus and disconnects occurred.
  - A new gas circuit breaker was installed.
  - 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.
  - BMP work occurred.
- Hartung Yard
  - Material staging and tower assembly continued.
  - BMP work occurred.
- Kreuzkamp Yard
  - Material staging and tower assembly continued.
  - BMP work occurred.
- SWAT Yard

- Material staging and tower assembly occurred.
- BMP work occurred.
- Bartlett-Hauser Yard
  - Material staging and tower assembly continued.
  - The yard was utilized for helicopter activities.
  - BMP 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 tower assembly continued.
- Alpine Regional Field Office
  - No work occurred at this location during this reporting period.
- Thomas Yard
  - No work occurred at this location during this reporting period.
- Plaster City Yard
  - Material staging and tower assembly continued.
  - FTHL and VEE monitors were onsite as needed.
- Dunaway Yard
  - Perimeter fence installation was completed.
  - Access road work 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) found predated on the Suncrest Substation access road.

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

- Coast horned lizard (*Phrynosoma coronatum*): One (1) coast horned lizard was relocated at the EP356 access road.
- Coronado skink (*Plestiodon skiltonianus interparietalis*): One (1) Coronado skink was relocated at Kreutzkamp Yard.
- Flat tailed horned lizard (*Phrynosoma mcallii*): Eight (8) flat tailed horned lizards were relocated by a certified FTHL handler at Dunaway Road Yard.
- Two stripe garter snake (*Thamnophis hammondi*): Five (5) two stripe garter snakes were relocated at Kreutzkamp Yard.

### Spills/Hazardous Waste

- 69 kV Reconductoring
  - 5/11/2011: A release of approximately 1 quart of steering fluid from a utility vehicle occurred at 10031-10079 Scripps Ranch Blvd., San Diego, CA 92131 and was

immediately contained and cleaned up. The spill was reported to the City of San Diego, Storm Water Reporting.

- 5/13/2011: A release of approximately 2 ounces of hydraulic fluid from a dump truck occurred at 10031-10079 Scripps Ranch Blvd., San Diego, CA 92131 and was immediately contained and cleaned up. The spill was reported to the City of San Diego, Storm Water Reporting.

### **Non-Compliances**

- A non-compliance was issued by the Project biological monitor on the 69kV Line on May 11, 2011, due to work occurring inside a bird buffer without a biological monitor present and for not using a bucket truck for the work. As a corrective action, an environmental stand-down took place with the crews involved to emphasize working with a biological monitor present and following established work methods.

### **Variances and TEWS**

- On May 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.

### **Weather**

During this period, it rained on 5/9/2011 with the following precipitation totals: Alpine HQ and Yard, 0.10 of an inch; Jacumba Valley Ranch Yard, 0.01 of an inch; Link 1, 0.05 of an inch; Link 2, 0.15 of an inch; Link 3, 0.12 of an inch; Link 5, 0.1 of an inch; and Rough Acres Ranch, 0.05 of an inch. Post-storm inspections were conducted on 5/10/2011 with no deficiencies recorded. BMP installation and maintenance were conducted where identified.