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**PROJECT MEMORANDUM**
**SDG&E VINE 69/12-KV SUBSTATION PROJECT**

**To:** Eric Chiang, Project Manager, CPUC
**From:** Vida Strong, Aspen Project Manager
**Date:** May 20, 2017
**Subject:** Monitoring Report #13: April 9 to May 19, 2017

## Introduction

This report provides a summary of the construction and compliance activities associated with San Diego Gas and Electric's (SDG&E) Vine 69/12-kV Project.

A summary of the Notice to Proceed (NTP) for construction is provided below. The status of Temporary Extra Workspace (TEWS) and Minor Project Changes (MPCs) is provided in Table 1.

**CPUC Environmental Monitor (EM):** Jenny Slaughter was onsite May 17 and 18, 2017.

**Work Schedule:** Construction at the Vine Substation Site was conducted Monday-Friday between 7:00 am and 3:30 pm. Work at the Jack and Bore location is taking place 24 hours a day. Underground trenching for the distribution work along India Street is occurring between 9:00 pm and 5:00 am.

## CPUC NTP

**NTP #1: Construction of the Vine 69/12-kV Substation Project**

NTP #1 was issued by CPUC on June 8, 2016 for the entirety of the Vine 69/12-kV Substation Project, including construction of the Vine Substation, 12 kV distribution relocation, 69 kV Loop in, and telecom system upgrades.

## Construction & Compliance

### Vine Substation Construction

**Summary of Activity: Please see Exhibit A**

1. Construction began at the Vine Substation site on August 17, 2016. Civil construction activities are being conducted by Patriot Engineering. The below grade structural portion of the substation construction is being conducted by DCX. Patriot has completed the majority of the civil work and will return at a later time to complete final construction elements including rock placement, driveways, and sidewalks.
2. DCX continued with substation component construction including the control building, ground grid, and pull box installation (see Figure 1).
3. Stockpiled soils from the excavated trenches and foundations were hauled off site.
4. Artificial ivy installation occurred on the outside of the western boundary wall (see Figure 2). Due to graffiti concerns, SDG&E is proposing to cover the other walls with the artificial ivy. SDG&E is in discussions with the City of San Diego to determine if updates to the Landscape Plan will be necessary.

## 12-kV Relocation (India Segment – 12 kV Underground)

**Summary of Activity:**

5. Construction of the 12 kV underground portion resumed on May 8 at the Palm Street railroad crossing. Underground distribution work is being conducted by NPL. NPL and their subcontractor mobilized equipment to the work location on Palm Street. Traffic control for the 24-hour lane closure was in place (see Figure 3).

6. Saw cutting and excavation of the entry and exit bore pits were completed (see Figure 4). Boring began until the crews discovered a concrete wall in the way of the drill bit. Additional equipment is being delivered to assist in breaking up the concrete wall.

7. NPL crews began the underground work along India Street on May 14. Potholing and saw cutting for trenches and vaults took place. Due to another construction project in the same general area, NPL crews decided to delay construction activities for a few days until the other work was completed.

8. NPL crews are staging equipment and material at the Kettner Yard.

## 69 kV Loop In

***Summary of Activity***

No activity took place during the subject period.

## Telecom System Upgrades

***Summary of Activity***

No activity took place during the subject period.

**Environmental Compliance**

1. On May 17, project Environmental Inspectors conducted a site inspection at the jack and bore location and observed two leaking hydraulic hoses lying on a steel plate on the ground. The crane staged at this location was also observed to be staged without secondary containment. Both items were brought to NPL's attention at the weekly construction meeting the same day. On May 18, the CPUC EM checked the site to see if these items had been addressed. The hydraulic hoses were still leaking and dirt was used to soak up the fluid and contain it. No drip pans were underneath the crane. The CPUC EM documented the improper containment and spill clean-up of the hydraulic fluid in an incident report to SDG&E. SDG&E's Environmental Inspectors also issued two Level B Non-Compliances for this and for not having complete spill containment kits available on site. Photos showing the proper containment and clean up were provided to the CPUC EM (see Figures 5-7)

2. Archaeological and paleontological monitoring took place on May 8-10, 12, and 14 to monitor ground-disturbing activities associated with the 12 kV underground work. During excavation of the bore pits along Palm Street, several mollusk and clam shells were retrieved and were collected by the paleontological monitor.

3. On May 15, a San Diego Air Pollution Control District (SDAPCD) Inspector conducted a site visit of the Vine Substation site. According to SDG&E, the SDAPCD Inspector noted that some of the heavy equipment was missing Equipment Identification Numbering (EIN) on both sides. SDG&E has requested a copy of the inspection report.

4. The CPUC EM verified that haul trucks were covering the exported soil prior to hauling off site consistent with AQ-3.

5. The CPUC EM verified that the stabilization of a temporarily work area along the railroad right-of-way side of the substation site had been completed. The project SWPPP requires that disturbed areas where construction activities have ceased be stabilized within 14 days. The site was treated with a mulch cover for stabilization.

## Temporary Extra Workspaces (TEWS) and Minor Project Changes (MPCs)

Table 1 summarizes the TEWS and MPCs for the Vine Substation Project.

**Table 1**
**Temporary Extra Workspaces (TEWS) & Minor Project Changes (MPCs)**
(Updated 05/20/17)

| TEWS / MPC | Date Requested | Date Issued | Phase | Description |
|---|---|---|---|---|
| TEWS #1 | 07/20/16 | 07/20/16 | 12 kV Underground | Requests the use of an existing graveled portion of the Witherby Substation for equipment and materials staging. |
| TEWS #2 | 07/21/16 | 07/21/16 | 12 kV Underground | The use of a paved, private parking area along Laurel Street for the large excavator. |
| TEWS #3 | 08/15/16 | 08/16/16 | 12 kV Underground | Use of paved, private parking lot (currently empty) for Underground contractor's equipment and materials storage. |
| MPC #1 | 08/31/16 | 09/09/16 | 12 kV Underground | Continued use (beyond 60 days) of Kettner and Witherby yards. |
| MPC #2 | 04/24/17 | 05/12/17 | 66 kV Loop in | Replacement of wood pole with TSP |

### Exhibit A – Construction Status

## PROJECT PHOTOGRAPHS

Figure 1 – DCX crews continued with the installation of the substation ground grid.

Figure 2 – Artificial ivy installation was installed on the outside western perimeter wall to prevent graffiti.


Figure 3 – Street closure signage in place for the jack and bore work. One lane of traffic is closed 24 hours a day during construction.


Figure 4 – Equipment set up and entry pit of the jack and bore work along Palm Street.

Figure 5 – Leaking hydraulic hoses at the jack and bore site with no spill containment as observed on May 17.

Figure 6 – Same hydraulic leak observed the morning of May 18 after crews had used dirt to contain and soak up the spill.


Figure 7 – Proper clean-up of the hydraulic leak was documented by SDG&E's Environmental Inspectors on May 18 (photo courtesy of SDG&E).