

From: Jody Fessler
Sent: Friday, August 15, 2014 10:09 PM
To: Lynne.Hosley@ch2m.com; RJDt@pge.com
Cc: David.Rasmussen@ch2m.com; chd8@pge.com; Vida Strong; Fritts Golden; billie.blanchard@cpuc.ca.gov; 'billieblanchard@att.net'
Subject: RE: Embarcadero - Potrero 230kV Submittal for APM HM-2 Health and Safety Plan
Attachments: Review Comments Emb-Potrero APM HM-2 HASP by ABB_GTC 8-15-14.pdf

Lynne and Bob,

Attached is a memorandum from Geotechnical Consultants, Inc. dated August 15, 2014 with their review of the ABB Health and Safety Plan for Potrero. This Health and Safety Plan is **approved**.

Thanks,
Jody



Jody Fessler
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From: Lynne.Hosley@ch2m.com [mailto:Lynne.Hosley@ch2m.com]
Sent: Wednesday, July 23, 2014 11:25 AM
To: Jody Fessler; RJDt@pge.com
Cc: David.Rasmussen@ch2m.com; chd8@pge.com; Vida Strong; Fritts Golden; billie.blanchard@cpuc.ca.gov
Subject: RE: Embarcadero - Potrero 230kV Submittal for APM HM-2 Health and Safety Plan

Hello, Jody:

On behalf of PG&E, please find attached the Health and Safety Plan fulfilling the requirements of APM HM-2 for NTP#1.

Thanks
Lynne



GEOTECHNICAL CONSULTANTS, INC.
Geotechnical Engineering • Geology • Hydrogeology

MEMORANDUM

TO: Jody Fessler
Aspen Environmental Group

DATE: August 15, 2014

PROJECT NO.: S12023

FROM: James Thurber

SUBJECT: Review of ABB Health and Safety Plan, Potrero Substation Gas-Insulated Switchgear Building Project, San Francisco, Embarcadero-Potrero 230 kV Transmission Line Project; NTP #1 Potrero Site Preparation

REFERENCES: Environmental, Health, Safety and Security Site Plan, Pacific Gas & Electric Potrero 230-115 kV GIS and MPAC Project
by ABB Power Systems North America, July 7, 2014

MITIGATION MEASURE: APM – HM-2 Development and Implementation of a Health and Safety Plan.

The above referenced Health and Safety Plan (HASP) was submitted to address the requirements of APM HM-2.

GTC has not reviewed the HASP which includes a description of the several work packages to be completed at the Potrero site, including construction of new pre-engineered building and installation of eleven packages for high voltage bays, circuit breakers, transformers, and the 230 kV cable termination for the ZA Embarcadero-Potrero cable.

The HASP notes the installation space limitations requires thoroughly planned and executed logistics, delivery and placement of equipment and materials; hazardous energy sources; operation of heavy equipment; significant environmental scope; and site and safety orientation for all workers. ABB and their contractor(s) will hold weekly site safety meetings; daily pre-job safety briefings will be conducted by the contractor for each job. ABB will be responsible for the site induction and orientation process for all persons entering the ABB work area; all individuals must sign an acknowledgement of completing the site safety induction. The HASP requires each contractor to submit their own health and safety plans to ABB.

Several items are included in the appendices of the HASP: A detailed Project Risk Assessment Methodology; Operational Controls and Codes of Practice; Site-specific safety requirements by the project owner are included in Appendix 3: Earthquake Procedures; Forms; and Emergency Action, Escape and Response Plan will be implemented by the project site security detail.



Discussion. The HASP is detailed and provides an extensive outline of the work, hazards and safety concerns at the Potrero site. The HASP appears to cover site preparation work as well as the follow on construction and start up. Effective application of such a detailed plan must include the daily pre-job safety briefings and weekly contactor meeting to keep workers mindful of specific and current safety issues. Aspen and CPUC should accept the Potrero site HASP as satisfying the requirements of APM HM-2.