

# 2008 Monthly ES&H Campaign: May

## Generator Upgrades/Decommissioning

### Monday, 12th

Bechtel is set to begin permanent back-up generator installations in various markets around the nation. Let's take a moment to review some of the ES&H requirements associated with this work.

#### Preconstruction

Since we are making a change to the technology infrastructure we must review these sites as we would with any other modification scope of work. These sites must go through the screening process for compliance requirements (e.g., leasing, zoning, SHPO). The Phase I Environmental Site Assessment will also be reviewed to ensure that it covers the area(s) of excavation as well as any hazardous material assumptions.

As with all work, preplanning is essential for success. A solid working knowledge of the following procedures will help ensure ES&H compliance:

- 1TP-X01G-00013-000 - Environmental Due Diligence-Regulatory Compliance
- Communications GBU Wireless Construction Environmental Control Plan
- 4MP-T81-03312 - Telecommunications Working On or Near Energized Circuits
- 4MP-T81-01308 - Telecommunications System & Equipment Safety Tagging – Lockout
- 4MP-T81-03205 - Utility Avoidance

#### Construction

The installation phase of the work will, to some extent, involve excavation, utility locating, lock-out tag-out, work on or near energized circuits and cranes.

There are several unique requirements associated with work scopes involving a generator. Appendix 6 of the Construction Environmental Control Plan (CECP) details the guidelines for inspection, fuel delivery and start-up procedures as well as spill prevention, notification and response. Extra care should be taken throughout the installation to ensure that all local, state and federal environmental regulations are met. Complete the BCI Diesel Generator Emergency Contact List (CECP Appendix 6, Attachment 1) and post it as required in the CECP.

A spill response kit will be maintained on site during all fueling activities. Personnel on site should be trained and familiar with its use. The fuel delivery procedure outlined in Appendix 6 of the CECP will be followed. All spills of hazardous materials (e.g., diesel fuel, engine oil, antifreeze) must be reported *regardless of volume or severity!* In the event of a spill, all efforts should be made to minimize the area affected by the spill. The responsible Field Coordinator and ES&H Representative should be notified immediately.

Additionally, the BCI Diesel Generator Inspection Form (CECP Appendix 6, Attachment 2) must be completed upon completion of work involving a generator and/or any time a hazardous condition exists with the equipment and adjacent areas.

#### Decommissioning

Generators and associated equipment scheduled for decommissioning must be handled and disposed of properly. If you have any questions concerning generator installation and removal, please contact your ES&H Supervisor.



Visit the Communications ES&H website for more information.