

Human Resources: Risk Management

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Core Business Functions

Safety &
Health



Security

Emergency Management

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Safety & Health

- Oversees both operational and construction safety
- Develops and implements policies and procedures to ensure a safe work environment
- Provides job specific safety training
- Conducts audits, inspections, and incident investigations
- Reviews and approves of all high hazard work
- Conducts design and specification reviews
- Regulatory Liaison (i.e., Cal OSHA, Fire Department)
- COVID-19 Response and Recovery
- Pursuing safety excellence through coordination and application to Cal OSHA's Voluntary Protection Program (Cal VPP)

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What is VPP?


OSHA Initiative

Labor – Management – Government

Performance Based

Two Major Programs

- STAR
- REACH



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Potential Benefits of VPP

- ✓ Improved employee morale and motivation to work safely
- ✓ Improved labor and management relations
- ✓ Community recognition and esteemed public image
- ✓ Improved quality of work and productivity
- ✓ Improved partnership with Cal/OSHA
- ✓ Reduction in injuries and illness
- ✓ Exemption from routine Cal/OSHA programmed inspections
- ✓ Networking with government and industry
- ✓ Lower workers' compensation and other insurance costs

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The Six Elements



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Emergency Management

- Developed, implemented, and maintains the Integrated Emergency Response Plan (IERP) and Continuity of Operations Plan (COOP)
- Collaborations with local agencies and municipalities, such as the Water Emergency Response Organization of Orange County (WEROC) for mutual aid and resources
- Conducts emergency response exercises to ensure staff are prepared and ready for responding to workplace emergencies

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Interplant Digester Gas Pipeline (IDGP) Emergency Response Exercise

- Exercise Date: April 28, 2021
- Exercise Description: Contractor digging along pipeline right of way between Plant 1 and Plant 2, struck the pipeline causing explosion, damage to neighborhood, and contractor fatalities.
- Exercise Objectives:
 1. Coordinate the emergency response and shutdown of the IDGP in accordance with Department of Transportation (DOT) standards
 2. Report incident in accordance with the Pipeline and Hazardous Material Safety Administration (PHMSA)
 3. Maintain command, control, and coordination structures, consistent with the National Incident Management System (NIMS) to stabilize the incident and transition to recovery.
 4. Mobilize all critical resources and establish command, control and coordination structures within the affected community and across OC San service area throughout the duration of an incident.
 5. Engage the whole organization as appropriate in the development of executable strategic, operational, and/or tactical-level approaches to meet defined objectives.
 6. Provide all decision makers with decision-relevant information regarding the nature and extent of hazard, any cascading effects, and the status of the response.

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IDGP Emergency Response Exercise [contd.]

Exercise Strengths

- Appropriate notification made to alert OC San personnel and leadership teams. Low pressure information utilities to formulate and shutdown the pipeline.
- EOC was activated within 11 minutes of the incident, with full organization structure established and roles and responsibilities detailed.
- Staff identified that incident would be long-term and advised on formulating long-term record plan within first hour of response.
- Consultant notified of emergency which started notifications to PHMSA.
- Field personnel effectively communicated up the chain to acquisition materials and equipment.

Areas for Improvement

- Consider updating procedure for closing DOT regulated valve immediately after isolation of non-DOT regulated valve.
- Shutdown and isolation process lacks the ability to isolate the Plant and blowdown upstream and downstream at one centralized location while monitoring pressure in the pipeline.
- Provide clarity and direction with information sharing over the radio; inconsistent between plants.
- Procedure lacks ability to isolate plant and blowdown at different locations along the pipeline.
- Action planning did not fully occur, where emphasis was mostly placed on operations which lessened develop of the incident action plan which consists of formulating objectives and operational activities for next operational period.

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IDGP Emergency Response Exercise [contd.]

Exercise Improvement Plan

- Conduct tabletop emergency response exercises (TTX) for the IDGP, focusing on potential hazards that could occur, with implementation of Incident Command, Planning, field operations, and plant safety procedures into TTX scenarios.
- Conduct annual reviews of SOPs / EOPs related to the IDGP and ensure procedures remain in compliance with DOT regulations.
- Assess viability and project to augment OQ valve flange sections with a tee, blowoff valve, and pressure gauge.
- Conduct review of ICS Forms and how the ICS Forms help formulate and plan response activities and safety plan updates. Integrate form training in TTX exercises and scenario-based training.
- Implement refresher online ICS training via FEMA Independent Study or conducting in person refresher training on Section roles and responsibilities, including EOC Action Planning and Future Planning.

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Security

- Manages third-party security vendor who monitors the physical campus, which includes patrols and video surveillance
- Oversees Security Advisory Committee (Physical and Cyber Threats)
- Manages door access, assignment of badges, and parking.
- Assists Engineering with physical security on new projects.

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Physical Security Plan

- Developed in May 2020
- Requires site risk assessment during design, utilizing customized Risk Assessment Scorecard.
- Physical security components recommended based on risk-level
- Provides consistent descriptions and features for OC San's construction projects.

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Questions



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