

SANTA BARBARA COUNTY BOARD AGENDA LETTER



Clerk of the Board of Supervisors
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Agenda Number:
Prepared on: 4/21/04
Department Name: P&D
Department No.: 053
Agenda Date: 5/4/04
Placement: Departmental
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If Yes, date from:
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4th Quarter Report Fall 2003.DOC

TO: Board of Supervisors

FROM: Valentin Alexeeff, Director of Planning & Development

STAFF

CONTACT: Steve Chase, Deputy Director, Energy Division (x2520)
Ann Grant-McLaughlin, Planner (x8058)

SUBJECT: Quarterly Report for Energy Platform/Facility Inspections, Audits, & Drills

Recommendation(s): That the Board of Supervisors: Receive and file this informational document on inspections of offshore platforms in the Santa Barbara Channel and Santa Maria Offshore Basin, as well as onshore and near-shore facilities that process, store, and transport product.

Alignment with Board Strategic Plan: The recommendation aligns with Goal No. 2 - A Safe and Healthy Community in which to Live, Work, and Visit.

Executive Summary and Discussion: On August 26, 2003, the Board of Supervisors received a report and presentation from the Energy Division, along with the U.S. Minerals Management Service, related to offshore platform inspection. The Board directed staff to monitor the type and frequency of inspections by public agencies. The Board also directed that a quarterly report of such be prepared. This report transmits inspection data and information regarding offshore platforms in federal waters of the Santa Barbara Channel and Santa Maria Offshore Basin, as well as onshore and near-shore facilities that process, store, and transport product. The inspection information is for the fourth quarter of 2003 (October to December).

All inspection data and information contained in the Quarterly Report have been voluntarily submitted. This has been a cooperative effort with the U.S. Minerals Management Service (MMS). The methods, results, adequacy, and verification of platform inspections by the MMS are regulated by Federal standards.

Minerals Management Service (MMS)

During the fourth quarter of 2003, the MMS conducted inspections at each of the 15 platforms in federal waters off of Santa Barbara County, plus at the metering station at Las Flores Canyon (Exhibit 1, attached). The following table provides a comparative analysis of those inspections by type, frequency and location.

TYPE OF MMS INSPECTION	TOTAL NUMBER OF INSPECTIONS	NUMBER OF FACILITIES	NOTES
Complete Production Annual (PC/A)	2	2	Harmony & Heritage
Partial Production (PP-1, 2, 3, 4)	17	13	All but Harmony & Heritage
Compliance Inspection (AU)	5	3	Habitat, Hogan & Houchin
Complete Drilling (DR)	1	1	Harmony
Partial Drilling (DP)	3	3	Habitat, Harmony & Heritage
Well Abandonment (AB)	0	0	
Well Completion (CO)	0	0	
Well Workover (WO)	1	1	Hermosa
Meter (Oil, Gas) (MT/O, G)	6	3	Las Flores, Habitat & Hondo
EPA (EP)	6	6	Harmony, Harvest, Heritage, Hermosa, Hillhouse & Hondo
Oil Spill Exercise (OS)	3	3	Platform B, Habitat & Harvest
Accident Investigation (AI)	1	1	Hondo
Environmental (EN)	39	16	All
Flaring (FL)	9	9	Platform A, Habitat, Harmony, Henry, Heritage, Hermosa, Hillhouse, Hogan & Houchin
Hydrogen Sulfide (HS)	20	14	All but Las Flores & Harvest
Pipeline (PL)	14	9	Platform A, Habitat, Harmony, Henry, Heritage, Hermosa, Hillhouse, Hogan & Houchin
USCG Safety Guidelines (SG)	19	15	All but Las Flores
Site Security (SS)	6	3	Las Flores, Habitat & Hondo
TOTAL	152		

The MMS conducted a variety of inspection types at each platform at least once during the quarter. Platforms Harvest and Hermosa (in north county waters), Harmony and Hondo (off Gaviota) and Hogan and Houchin (off Carpinteria) each had three separate days of inspection during the quarter. Overall, the data shows a relative equal distribution of inspection type at each platform. The frequency of inspection is dictated by well work, incidents of non-compliance and follow-up compliance checks.

Systems Safety and Reliability Review Committee (SSRRC)

In 1981, a new state of the art natural gas processing plant was commissioned on the Gaviota coast. The project met every building, air quality and fire code regulation and received approvals from dozens of regulatory agencies. Yet, when the plant delivered gas to the utility transmission system, a critical treatment process failed. The gas contained Hydrogen Sulfide (H₂S). Furthermore, gas analyzers placed in the sales gas line also failed. Hazardous levels of H₂S were introduced into a regional distribution system.

The incident demonstrated a need for independent process engineering review and safety/risk analysis of this class of oil and gas facility. Thus at the request of the County Building Official, the Board of Supervisors established a special committee of technical experts to review the system safety aspects of all large, complex oil and gas projects throughout the county. The Systems Safety and Reliability Review Committee (SSRRC) was eventually formed to identify and require correction of design and operational hazards at these types of facilities. Moreover, the SSRRC was delegated authority to oversee the Safety Inspection, Maintenance and Quality Assurance Program (SIMQAP), including audits of maintenance records, repair records, training records, near-miss reports and incident reports.

The SSRRC Quarterly Report Table (Exhibit 2, attached) shows the 10 on-shore/near-shore facilities that are annually inspected and audited. The SSRRC has set dates for completion of any deficiencies and reviews progress at monthly meetings. A summary of deficiencies is as follows.

FACILITY	PRIORITY 1 AUDIT ITEMS	PRIORITY 2 AUDIT ITEMS	OUTSTANDING PRIORITY 1	OUTSTANDING PRIORITY 2
Arguello Gaviota Processing Plant	0	8	0	5
GTC Gaviota Oil Storage Facility	1	1	1	1
ExxonMobil Processing Plant @ Las Flores Canyon	0	0	0	0
POPCO Gas Plant @ Las Flores Canyon	0	0	0	0
Nuevo Lompoc Processing Plant	10	10	2	2
Hallador Cuyama Gas Plant	6	8	0	5
Greka Santa Maria Asphalt Refinery	11	11	5	5
ConocoPhillips Pipelines and Pump Stations North County	3	6	3	6
Venoco Ellwood Onshore Processing Facility	5	10	0	5
Venoco Ellwood Marine Terminal	1	7	0	0
TOTALS	37	61	11	29

County Office of Emergency Services (OES)

The County, through the auspices of the Fire Department - Office of Emergency Services, provides an additional layer of safety/risk review and environmental protection. OES conducts emergency response drills at each of the facilities, at least annually, and more often if warranted. The OES Table (Exhibit 3, attached) provides information on the 10 Emergency Response Exercises conducted during 2003, plus an exercise in late 2002 at Venoco's Ellwood facilities. We believe that this information is relevant, for it adds to the picture of day-to-day oversight and coordination among County, State and Federal agencies charged with the responsibility of regulating these large, complex oil and gas facilities.

Concluding Remarks

The MMS extended an invitation for County staff to participate in a Focused Facility Inspection at Platform Heritage in the Santa Ynez Unit off of the Gaviota coast. Energy Division staff participated in the pre-planning meetings, platform inspection, and debriefing. Staff will also participate in the inspections of safety systems and spill/release prevention and containment equipment at platforms off of Carpinteria and Vandenberg Air Force Base later this year. Also of note, the MMS has restored helicopter service to the offshore platforms from Santa Barbara and Santa Maria Airports.

This report is a beginning, with room to grow as we continue to coordinate with other agencies on inspection protocols and the type and frequency of data collection. As an example, it is our intention to expand the reportable data to include inspections of Platform Holly, located in the state tidelands off of Ellwood, by the State Lands Commission – Minerals Resources Division. We view this Quarterly Report as an important first step.

In closing, this report is posted on the Energy Division web site at www.countyofsb.org/energy. From this point forward, staff would like to provide the quarterly inspection report to the Board via your Administrative Agenda. We would also discuss the quarterly inspection report at noticed public meetings of the Systems Safety and Reliability Review Committee, post it in advance on our website and meet with interested parties, as requested.

Mandates and Service Levels: None

Fiscal and Facilities Impacts: Expenses incurred in analyzing and preparing this report are budgeted in Fund 0001, Program 5000, General Administration as shown on page 296 of the FY 2003-2004 Budget.

Special Instructions: None

Concurrence: N/A

Exhibits:

Quarterly Report, Tables of Inspections, Audits, and Drills for 4th Quarter 2003

1. MMS Inspections, Drills and Audits
2. County of Santa Barbara SSRRC Inspections and Audits
3. County of Santa Barbara OES Emergency Response Drills

Attachment: Letter of April 19, 2004 from U.S. Minerals Management Service



Prepared by MMS on January 14, 2004
Inspection, Drills, Audits
4th Quarter 2003 (October – December)
 (Revised Jan. 22, 2004)

FACILITY	DATE	TYPE OF INSPECTION	INCIDENT OF NON-COMPLIANCE	COMMENTS
PLATFORM A	12/14/03	PP-4; EN; FL; HS; PL; SG		
PLATFORM B	10/04/03	PP-2; EN; HS; SG		
PLATFORM B	11/24/03	OS; EN		
PLATFORM C	10/09/03	PP-2; EN; HS; SG		
HABITAT	11/02/03	DP; EN; HS		
HABITAT	11/21/03	OS; EN		
HABITAT	12/18/03	PP-4; EN; FL; HS; PL; SG		
HABITAT	12/18/03	MT/G; EN; SS		
HABITAT	12/18/03	AU; PL		Visual inspection of the gas pipeline
HARMONY	10/03/03	DR; EN; HS		
HARMONY	11/29/03	DP; EN		
HARMONY	12/15/03	EP; EN		
HARMONY	10/20/03	PC/A; EN; FL; HS; PL; SG	6	P-406 (C) Flow safety valve on well HA-28 failed during test. <i>(Replaced & retested properly on 12/08/03)</i> P-173 (C) Smoke detector in the Secorp office failed. <i>(Replaced & retested properly on 12/05/03)</i> P-451 (C) Pressure safety valve to 2 nd stage discharge scrubber failed. <i>(Adjusted & retested properly on 12/04/03)</i> P-423 (C) Low level sensor on pressure vessel failed. <i>(Adjusted & retested properly on 11/04/03)</i> P-102 (C) Shut down valve failed. <i>(Adjusted & retested properly on 10/20/03)</i> P-569 (C) Blow down valve failed. <i>(Adjusted & retested properly on 10/20/03)</i>

Inspection Type Code Legend (MMS)

PC/A	Complete Production Annual	CO	Well Completion	EN	Environmental
PP-1,2,3,4	Partial Production	WO	Well Workover	FL	Flaring
AU	Compliance Inspection	MT/O, G	Meter (Oil, Gas)	HS	Hydrogen Sulfide
DR	Complete Drilling	EP	EPA	PL	Pipeline
DP	Partial Drilling	OS	Oil Spill Exercise	SG	USCG Safety Guidelines
AB	Well Abandonment	AI	Accident Investigation	SS	Site Security

FACILITY	DATE	TYPE OF INSPECTION	INCIDENT OF NON-COMPLIANCE	COMMENTS
HARVEST	11/17/03	EP; EN		
HARVEST	12/01/03	OS; EN		
HARVEST	12/02/03	PP-4; EN; SG		
HENRY	12/17/03	PP-4; EN; FL; HS; PL; SG		
HERITAGE	11/30/03	DP; EN; HS		
HERITAGE	12/15/03	EP; EN		
HERITAGE	10/19/03	PC/A; EN; FL; HS; PL; SG	12	<p>P-451 (C) Pressure safety valve for 2nd stage discharge cooler failed. (<i>Adjusted & Retested properly on 11/07/03</i>).</p> <p>P-130 (S) Zone 3 deluge valve failed. (<i>Rebuilt & retested properly on 11/04/03</i>).</p> <p>G-209 (W) Quarterly insp. on crane exceeded 3 months. (<i>Inspected on 11/26/03</i>).</p> <p>G-209 (W) Quarterly insp. on crane exceeded 3 months. (<i>Inspected on 11/26/03</i>).</p> <p>P-406 (C) Flow safety valve on well SA-3L failed leak test. (<i>Removed, cleaned & Retested properly on 11/27/03</i>).</p> <p>P-240 (C/S) Surface safety valve on well HE-8 failed. (<i>Retested properly on 11/21/03</i>).</p> <p>P-571 (C) 2nd stage blow down valve V 306-4 failed. (<i>Repaired & retested properly on 11/17/03</i>).</p> <p>P-574 (C) High pressure sensor on suction cooler failed. (<i>Adjusted & Retested properly on 11/13/03</i>).</p> <p>P-451 (C) Pressure safety valve on 2nd stage discharge scrubber failed. (<i>Adjusted & Retested properly on 11/14/03</i>).</p> <p>P-102 (C) Shut down valve on amine still column failed to close. (<i>Resolution N/AV at this time</i>)</p> <p>P-102 (C) Shut down valve on 2nd stage suction scrubber failed to close. (<i>Resolution N/AV at this time</i>)</p>

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DR	Complete Drilling	EP	EPA	PL	Pipeline
DP	Partial Drilling	OS	Oil Spill Exercise	SG	USCG Safety Guidelines
AB	Well Abandonment	AI	Accident Investigation	SS	Site Security

FACILITY	DATE	TYPE OF INSPECTION	INCIDENT OF NON-COMPLIANCE	COMMENTS
HERITAGE	10/19/03	Continued from pg 2		P-102 (C) Shut down valve on gas feed for glycol contactor failed to close. (<i>Resolution N/AV at this time</i>)
HERMOSA	11/01/03	PP-3; EN; HS; SG		
HERMOSA	11/01/03	WO; EN; HS		
HERMOSA	11/17/03	EP; EN		
HERMOSA	12/02/03	PP-4; EN; FL; HS; PL; SG		
HIDALGO	12/02/03	PP-4; EN; HS; SG		
HILLHOUSE	10/20/03	EP; EN		
HILLHOUSE	12/13/03	PP-4; EN; FL; HS; PL; SG		
HOGAN	10/09/03	AU; PL	1	30 CFR 250.1004(b)(5), (W), Leak Detection System. No associated PINC number. <i>System was fixed & is now working properly.</i>
HOGAN	10/17/03	PP-2; EN; SG		
HOGAN	12/04/03	PP-4; EN; FL; HS; PL; SG	1	G-111 (W) Missing guard on pump on well A-23 <i>Missing guard was replaced on 12/17/03</i>
HOGAN	12/18/03	AU; PL		Oil pipeline leak detection
HONDO	11/02/03	PP-3; EN; HS; SG		
HONDO	11/02/03	AI		Dropped cable during new cable installation.
HONDO	12/15/03	MT/G; EN; SS	1	G-231 (w) electrical conduit covers rusted off. <i>Electrical covers were replaced on 12/29/03.</i>
HONDO	12/15/03	EP; EN		
HOUCHIN	10/09/03	AU; PL	1	30 CFR 250.1004(b)(5), (W), Leak Detection System. No Associated PINC Number. <i>System was fixed & is now working properly.</i>
HOUCHIN	10/17/03	PP-2; EN; SG		
HOUCHIN	12/04/03	PP-4; EN; FL; HS; PL; SG	1	Z-108 (W) worker hanging partially overboard. <i>Worker was pulled off job & was informed of the safety procedures & given a personal flotation devise.</i>

Inspection Type Code Legend (MMS)

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DR	Complete Drilling	EP	EPA	PL	Pipeline
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AB	Well Abandonment	AI	Accident Investigation	SS	Site Security

FACILITY	DATE	TYPE OF INSPECTION	INCIDENT OF NON-COMPLIANCE	COMMENTS
HOUCHIN	12/18/03	AU; PL		Oil pipeline leak detection
IRENE	11/27/03	PP-3; EN; HS; SG		
IRENE	12/09/03	PP-4; EN; HS; SG		
LAS FLORE	10/14/03	MT/O; EN; SS		
LAS FLORE	10/24/03	MT/G; EN; SS		
LAS FLORE	10/27/03	MT/O; EN; SS		
LAS FLORES	12/22/03	MT/O; EN; SS		

Inspection Type Code Legend (MMS)

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PP-1,2,3,4	Partial Production	WO	Well Workover	FL	Flaring
AU	Compliance Inspection	MT/O, G	Meter (Oil, Gas)	HS	Hydrogen Sulfide
DR	Complete Drilling	EP	EPA	PL	Pipeline
DP	Partial Drilling	OS	Oil Spill Exercise	SG	USCG Safety Guidelines
AB	Well Abandonment	AI	Accident Investigation	SS	Site Security

Quarterly Report

Inspections and Audits

Reported by County of Santa Barbara Systems Safety & Reliability Review Committee (SSRRC)
4th Quarter 2003 (October – December)

FACILITY	DATE	TYPE	PRIORITY 1 & 2 COMPLIANCE ITEMS	COMMENTS
Arguello – Gaviota Oil Heating Facility	8/14/03	Audit	Priority 1 items: 0 outstanding Priority 2 items: 5 outstanding	The August inspection resulted in no Priority 1 deficiencies and a total of 8 Priority 2 deficiencies. The SSRRC has accepted 3 items as complete or 38%. The applicant has indicated a total of 6 completed or 75%. These items still require SSRRC verification. Examples of items remaining include: steam leak, pressure value maintenance, and submittal of annual equipment inspection list. The SSRRC has set dates for completion of all outstanding priorities and reviews the project's progress at monthly meetings.
GTC – Gaviota Terminal Company	10/28/03	Audit	Priority 1 items: 1 outstanding Priority 2 items: 1 outstanding	Since the October inspection the SSRRC has not evaluated any completion of the Priority 1 & 2 deficiencies. The items relate to recalibration of a piece of equipment and extinguisher/Fire training of one employee. The SSRRC has set dates for completion of all outstanding priorities and reviews the project's progress at monthly meetings.
ExxonMobil	11/4/02 & 11/5/02	Audit	Priority 1 items: 0 outstanding Priority 2 items: 0 outstanding	Based on the Company's monthly meetings with Energy Division and Building and Safety staff, no priority items are outstanding as, compliance is on-going.
POPCO	4/15/03 & 4/16/03	Audit	Priority 1 items: 0 outstanding Priority 2 items: 0 outstanding	Based on the Company's monthly meetings with Energy Division and Building and Safety staff, no priority items are outstanding as, compliance is on-going.
Nuevo Lompoc Oil & Gas Plant	7/22/03 & 7/24/03	Audit	Priority 1 items: 2 outstanding Priority 2 items: 2 outstanding	The July inspection resulted in a total of 10 Priority 1 and 10 Priority 2 deficiencies. The SSRRC has accepted 8 items of each Priority as complete or 80%. The applicant has indicated a total of 9 completed or 90%. These items still require SSRRC verification. Examples of items remaining include: completion of evaluation and implementation of alternative impervious surface material for sides of retention basin, submittal of updated charts and operating procedures to Building and Safety, and reseal portion of secondary containment areas. The SSRRC has set dates for completion of all outstanding priorities and reviews the project's progress at monthly meetings.
Hallador	9/30/03	Audit	Priority 1 items: 0 outstanding Priority 2 items: 5 outstanding	The September inspection resulted in a total of 6 Priority 1 and 8 Priority 2 deficiencies. The SSRRC has accepted all Priority 1 items as complete or 100% and 3 Priority 2 or 37.5% as completed. Examples of items remaining include: sign replacement and labeling, servicing breathing apparatus, install fire extinguisher in shop area, and x-ray piping spools as required. The SSRRC has set dates for completion of all outstanding priorities and reviews the project's progress at monthly meetings.

FACILITY	DATE	TYPE	PRIORITY 1 & 2 COMPLIANCE ITEMS	COMMENTS
Santa Maria Asphalt Refinery (Greka)	5/22/03	Audit	Priority 1 items: 5 outstanding Priority 2 items: 5 outstanding	The May inspection resulted in a total of 11 Priority 1 and 11 Priority 2 deficiencies which include past due items from previous year's inspection. The SSRRC has accepted 6 of each Priority or 54%. Examples of items remaining include: insulation on lines, following truck safety procedures, evaluation of need for gas/vapor leak detection, copies of boiler permits from State, various repairs for fencing & ladder, and re-validation of Hazard Analysis. The SSRRC has set dates for completion of all outstanding priorities and reviews the project's progress at monthly meetings.
ConocoPhillips	10/23/03	Audit	Priority 1 items: 3 outstanding Priority 2 items: 6 outstanding	Since the October inspection the SSRRC has not accepted any completion of the Priority 1 & 2 deficiencies. Examples of the items remaining include: evaluate and segregate incompatible and hazardous materials, posting of signs, conduit sealant, current readings and protection for pipeline, service fire extinguishers, and training records. The SSRRC has set dates for completion of all outstanding priorities and reviews the project's progress at monthly meetings.
Venoco Ellwood Onshore Facility	4/22/03 & 4/23/03	Audit	Priority 1 items: 0 outstanding Priority 2 items: 5 outstanding	The April inspection resulted in a total 5 Priority 1 and 10 Priority 2 deficiencies. The SSRRC has accepted all 5 of the Priority 1 items or 100%. The SSRRC has accepted 5 Priority 2 items or 50%. The applicant has indicated a total of 9 completed or 90%. These items still require SSRRC verification. Examples of the items remaining include: update Gas Pipeline manuals and Emergency Action Plan, Fire Protection Plan, Piping Inspection Program, and respond to Engineer's letter regarding Vessels/Tanks. The SSRRC has set dates for completion of all outstanding priorities and reviews the project's progress at monthly meetings.
Venoco Ellwood Marine Terminal	6/10/03	Audit	Priority 1 items: 0 outstanding Priority 2 items: 0 outstanding	The June inspection resulted in a total of 1 Priority 1 and 7 Priority 2 deficiencies. The SSRRC has accepted all items for both Priorities, 100%.

NOTES:

1. Significant potential for serious: personal injury, negative environmental impact, property damage or hazardous material release.
2. Moderate potential for serious: personal injury, negative environmental impact, property damage or hazardous material release.

Quarterly Report

Emergency Response Drills

Reported by County of Santa Barbara Office of Emergency Services (OES)
4th Quarter 2003 (October – December)

FACILITY	DATE	TYPE	RANKING	COMMENTS
Arguello – Gaviota Oil Heating Facility *included All American Pipeline	8/27/03 & 10/23/03*	Emergency Response Exercise	Compliance	<p><u>Highlights:</u></p> <ol style="list-style-type: none"> 1. Superior interactions and communications between County Fire, All American Pipeline, Clean Seas and Arguello personnel. 2. Job well done following procedures in the ERP. 3. Clean Seas instruction on oil spill cleanup activities and demonstration of oil spill boom. <p><u>Recommendations:</u></p> <ol style="list-style-type: none"> 1. Arguello and Fire Department personnel test out the use of multiple portable radio frequencies in Arguello administration building Command Center. 2. Fire Department to setup future training with Clean Seas and Arguello. 3. During future ERP exercises the Incident Command Post will be moved from the Control Room to the administration building Command Center. 4. Arguello and County Fire to work on simplifying instructions and use of direct-dial telephone at Station 18.
GTC – Gaviota Terminal Company	4/11/03	Emergency Response Exercise	Compliance	<p><u>Recommendations:</u></p> <ol style="list-style-type: none"> 1. An inventory and maintenance records of the GTC response trailer should be provided to our office by May 20, 2003. 2. Please review ERP, ICS and how to develop an IAP. This training record should be available for review by May 20, 2003. Contact this office when training is completed to schedule a records review. 3. Provide Station 18 with GTC portable radio and charger by May 20, 2003.

FACILITY	DATE	TYPE	RANKING	COMMENTS
ExxonMobil	4/8/03	Emergency Response Exercise	Compliance	<p><u>Highlights:</u></p> <ol style="list-style-type: none"> 1. The ExxonMobil ERP was utilized. The Plan was open at the Operator’s Control Board and used throughout the exercise. 2. Muster procedures and personnel accounting were effective and efficient. 3. Communication and cooperation between ExxonMobil and Fire Department was quite good. 4. Facility personnel had good knowledge of the facility and it’s hazards and exhibited skill with environmental protection measures <p>Notifications and activation of alarms, simulated emergency shutdown and isolation were prompt.</p> <p><u>Recommendations:</u></p> <ol style="list-style-type: none"> 1. Radios- Channel 15 capable radio with Station 18 2. Chicago hose fittings to Station 18 3. Enhanced use of common terminology with Station 18 4. ERP/Notification list update to OES 5. Request Truck 11 for difficult rescues
POPCO	10/1/02	Emergency Response Exercise (Exercise scheduled 10/29/03 was postponed at their request)	Compliance	<p><u>Highlights:</u></p> <ol style="list-style-type: none"> 1. The ExxonMobil/POPCO ERP was utilized. The Plan was open at the Operator’s Control Board. 2. Muster procedures and personnel accounting were effective and efficient. 3. There is EMT and AED trained staff for both day and night shifts. 4. Facility personnel had good knowledge of the facility and it’s hazards and exhibited skill with use of protective clothing/SCBA. 5. Notifications and activation of alarms were prompt. The Energy Department Observer noted that their department had not been notified.

FACILITY	DATE	TYPE	RANKING	COMMENTS
Nuevo Lompoc Oil & Gas Plant	10/21/03	Emergency Response Exercise	Compliance	<p><u>Highlights:</u></p> <p>The knowledge gained from this exercise will enhance future operations. All participants in the drill remarked how well the exercise was conducted and how beneficial it was to meet the other players. LOGP personnel did an excellent job of filling in ICS positions that they usually did not perform in.</p> <p><u>Recommendations:</u></p> <ol style="list-style-type: none"> 1. More LOGP personnel train on producing and using IAP by April 1, 2004 2. Nuevo employee to safely wait at Harris Grade for County Fire. 3. Follow-up training to occur with LOGP and County Fire
Santa Maria Asphalt Refinery (Greka)	5/15/03	Emergency Response Exercise	Compliance	<p><u>Recommendations:</u></p> <ol style="list-style-type: none"> 1. Fix the 9-1-1 calling problem in the Control Room as soon as possible. 2. Give a class to SMAR employees (office and operators) on the use of the ERP, including the location of the plan, the procedures within the plan, and the notification lists and their use. This class should be take place and the record of it to OES by July 1, 2003. 3. Provide OES with status/update of FDC and foam application method by July 1, 2003.
Hallador	1/15/03	Emergency Response Exercise	Compliance	<p><u>Post Evaluation Comments:</u></p> <ol style="list-style-type: none"> 1. Good Site Assessment made and reported. 2. Quick ESD of Plant. 3. Notifications were made in a timely manner. 4. Efficient accountability of On-site personnel. 5. Emergency Response Plan Checklists were used by Hallador office personnel. 6. Gas monitors were used to establish the exclusionary zone to isolate the area. 7. Staging area should be clearly communicated. 8. Good interaction between Hallador personnel and fire.

FACILITY	DATE	TYPE	RANKING	COMMENTS
ConocoPhillips	10/6/03	Emergency Response Exercise	Compliance	<p><u>Recommendations:</u></p> <ol style="list-style-type: none"> 1. Handheld gas monitors should be checked daily and after every use. During incident situations the use of the monitors should not be delayed for validation. Initial readings should be taken promptly and validation of reading performed later. 2. Roles and responsibilities of ConocoPhillips between local and offsite emergency management personnel require greater coordination so that incident management and notifications are done effectively and without delay. 3. Reminder that the importance of a timely good safety briefing for first responders does not need be delayed until after the paperwork is completed. 4. Improve corporate incident operational and incident support communications via radios or by improved functioning of group cell phones
ConocoPhillips Sisquoc, included All American Pipeline	2/15/03	Emergency Response Exercise	Compliance	<ol style="list-style-type: none"> 1. ICS established quickly and efficiently. 2. Traffic controls and site safety considerations made quickly. Contact with the vineyard and public notifications. 3. Initial communications with AAPL control in Midland, Texas established. 4. AAPL provided valuable pump station (electrical shut in) information for a safe response. 5. Unified command structure seemed to work well between Fire, Tosco, and AAPL. 6. Addressing issue. How was incident address information provided to SBC Dispatch. 7. Tosco should review emergency response trailer inventory.
Venoco Ellwood	11/19/02	Emergency Response Exercise	Compliance	<p><u>Highlights:</u></p> <p>There was good cooperation with all drill participants. Notifications were made in a timely manner. An accurate assessment and incident information were provided in the briefings. Site Safety Plans and press releases were completed quickly. All sections obtained the necessary emergency permits and provided the necessary resources for effective incident response.</p>