

Public Hearing

South Ellwood Field

- Part 70 Permit Renewals and
- Part 70 Major Modifications



Michael Goldman
Manager - Engineering Division

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Today's Public Hearing

- Purpose for the Public Hearing
- The Part 70 Permit Program
- South Ellwood Field Facilities
- Monitoring Station Modifications
- Next Steps
- Public Comments

Purpose

- Purpose for the Public Hearing
 - Accept comments on the Federal Part 70 permit Renewals and Significant Modifications for:
 - Platform Holly
 - Ellwood Onshore Facility
 - Beachfront Lease (aka Pier 421)
- What the Public Hearing is Not About
 - Odor Issues from Agricultural Sources in Western Goleta
 - Decommissioning Details for the Facilities
 - State Lands Commission Town Hall Meeting – May 14th Goleta City Hall

The Part 70 Permit Program

- 40 CFR Part 70: Federal Operating Permits
- Major sources of air pollution
- There are 17 sources subject to the Federal Program
- Santa Barbara County APCD is delegated by EPA to implement the federal program – Since 1994
- Public input on federally enforceable requirements
- APCD aligned the Part 70 and local Permit to Operate Reevaluation program – 3-year cycle

Platform Holly

- Platform Holly
 - Permit 8234-R10
 - New Owner: California State Lands Commission
 - New Operator: California State Lands Commission
 - Installed in 1966
 - Permit Changes
- Current Status
 - Shut-in, wells under pressure
 - Plug and abandonment -> Late 2018. Expected 24 months to complete. Odor potential from H₂S is highest during the P&A window. Low volumes

Ellwood Onshore Facility

- Ellwood Onshore Facility
 - Permit 7904-R11
 - Owner: Venoco, LLC
 - New Operator: California State Lands Commission
 - Permit Changes
- Current Status
 - Facility shut-in
 - Facility to be used to treat small amounts of fluids associated with the well abandonment process
 - Volumes and pressures of gas treated at EOF will be far less than normal operations

Beachfront Lease

- Beachfront Lease
 - Permit 8103-R9
 - New Owner: California State Lands Commission
 - New Operator: California State Lands Commission
 - Permit Changes
- Current Status
 - Facility shut-in
 - Abandonment activity timelines are not known

Odor Monitoring Station Modifications

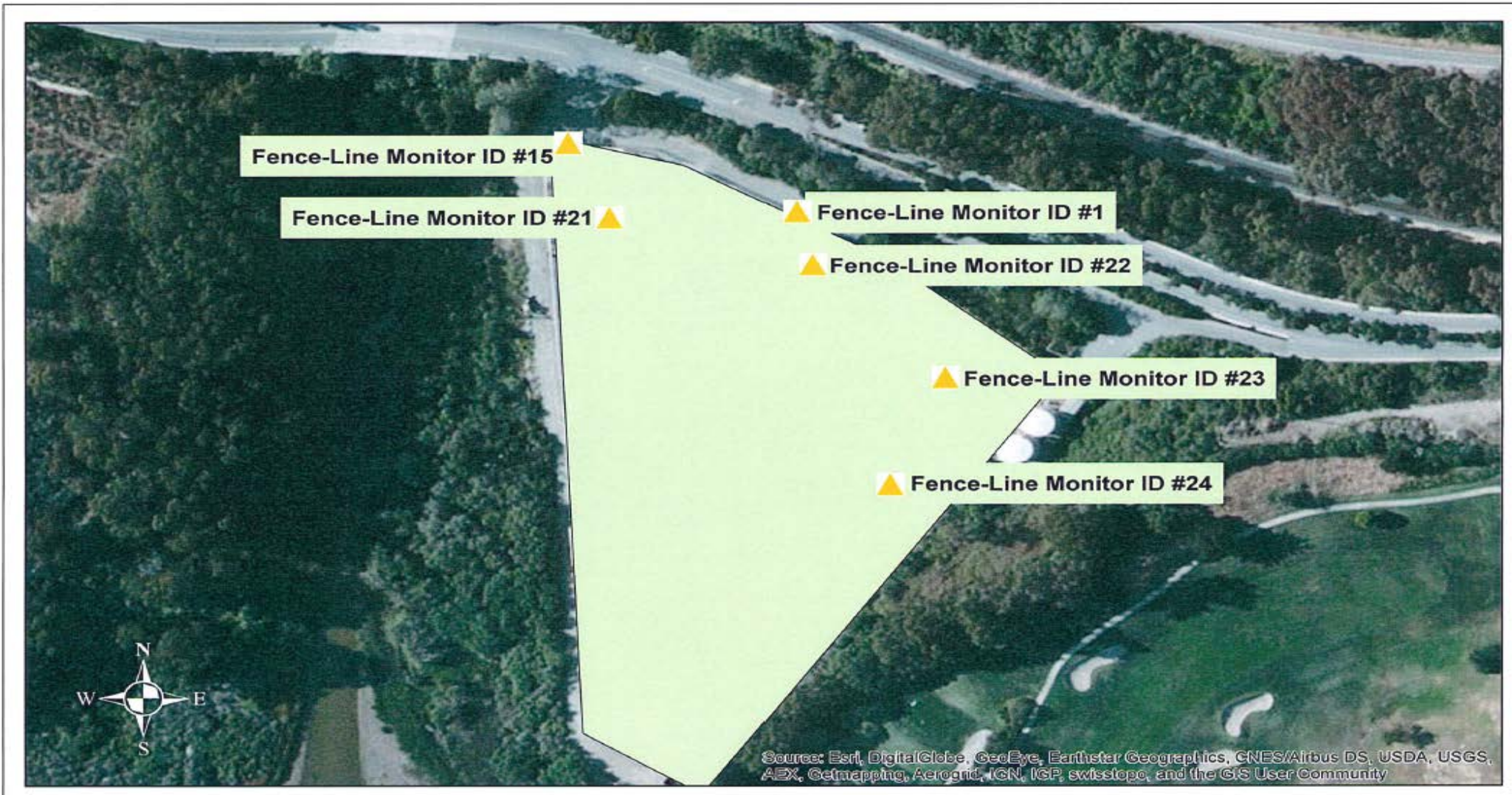
- Ellwood Onshore Facility
 - Offsite odor monitoring station — prior siting issues
 - Request to remove offsite odor station requirement
 - Fence-line H₂S monitors will remain in operation (6x)
 - In-plant zone H₂S monitors (8x)
 - EOF Meteorological Station remains
- Platform Holly
 - Higher pressures and volumes of gas expected offshore vs. onshore
 - West Campus station site is preferred for monitoring potential odors from abandonment processes (for both H₂S and total hydrocarbons)

Odor Monitoring Station Modifications (continued)

- During Venoco bankruptcy proceedings, the lease for West Campus Marine Terminal and Monitoring Site was released to UCSB
- UCSB intended to shut-down West Campus monitoring site due to costs
- State Lands Commission request to operate West Campus Odor Monitoring Station. District supports their request
- Monitoring requirements added to Platform Holly permit
- Portable H₂S analyzers can be deployed (e.g., Jerome units) per APCD complaint process (normal business hours). County Fire (24/7)...
- Monitoring will be removed once APCD permits are cancelled
- Net Result -> Current onsite and offsite Odor Monitoring Network is maintained

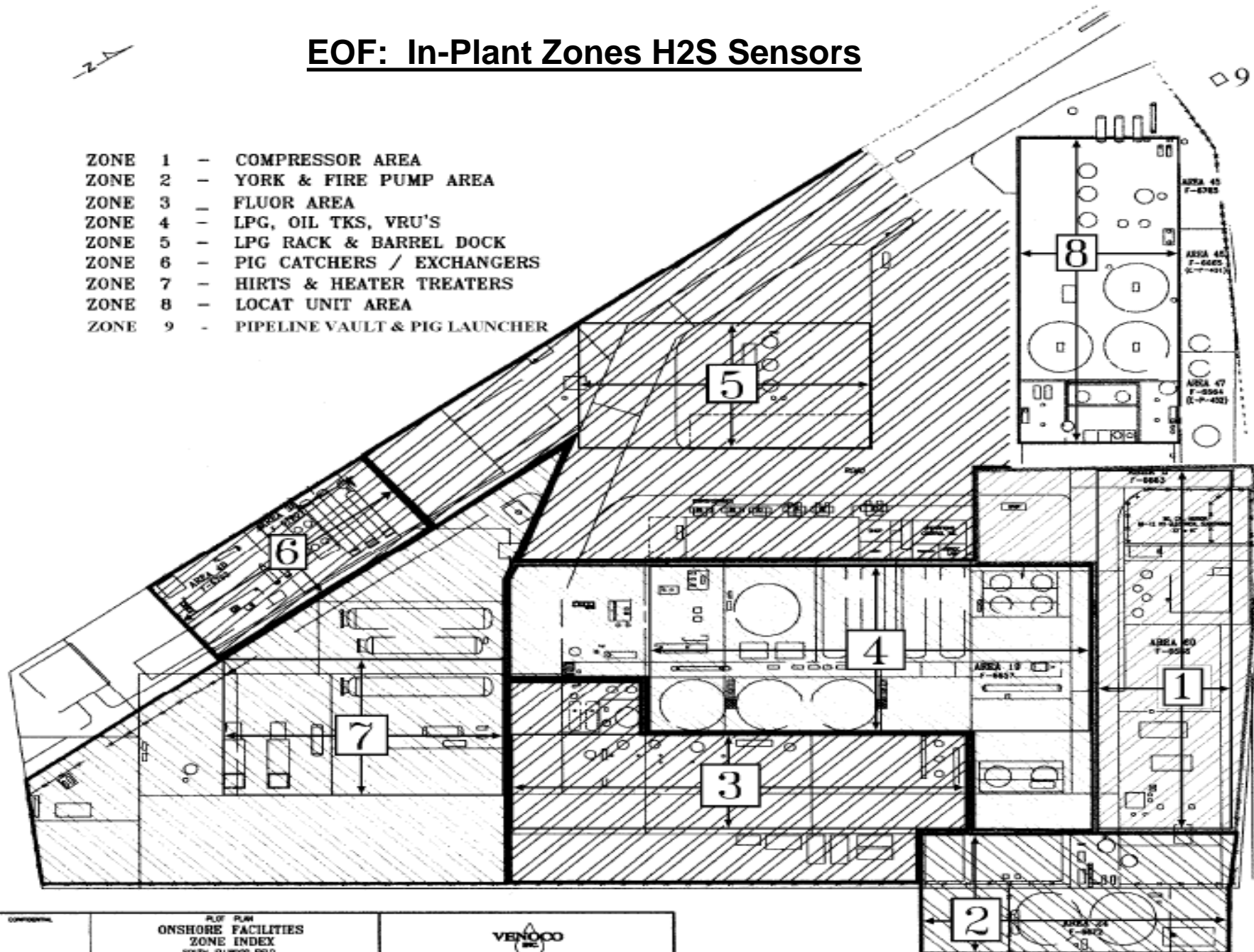


Venoco Ellwood Onshore Facility Fence-Line Monitor Map



EOF: In-Plant Zones H2S Sensors

- ZONE 1 - COMPRESSOR AREA
- ZONE 2 - YORK & FIRE PUMP AREA
- ZONE 3 - FLUOR AREA
- ZONE 4 - LPG, OIL TKS, VRU'S
- ZONE 5 - LPG RACK & BARREL DOCK
- ZONE 6 - PIG CATCHERS / EXCHANGERS
- ZONE 7 - HIRTS & HEATER TREATERS
- ZONE 8 - LOCAT UNIT AREA
- ZONE 9 - PIPELINE VAULT & PIG LAUNCHER



Next Steps

- **Review comments from:**
 - Public
 - Owners/Operators
 - EPA
- **Finalize the permits**
- **Post to District webpage**

Public Comments



Contact Information

Michael Goldman
Manager – Engineering Division

(805) 961-8821
mfg@sbcapcd.org

