

County of Los Angeles

Los Angeles County Oil Facilities Strike Team

**Biannual Report #2
PHASE II**

September 24, 2019

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***Prepared For:
County of LA***

Board Motion March 29, 2016

- Convene a Strike Team – DRP, DPH , DPW and Fire
- Review Title 22, Zoning Code to prohibit by right oil and gas facilities and improve existing regulations.
- Coordinate with adjacent jurisdictions
- Create an Advisory Panel
- Ensure that County Planning and Code Enforcement services are not negatively impacted

Background

This report is the second of six biannual reports to be provided to the Board during the current 36-month long Strike Team Phase II effort. Under Phase II the Strike Team is tasked with researching and investigating the following oil and gas elements:

- Abandoned and orphan wells;
- Storage facilities;
- Pipelines; and,
- Hazardous chemicals.

County of Los Angeles Oil and Gas Strike Team

- Continue the work of the Strike Team for the following:
 - Identify, assess, and prioritize orphaned and abandoned oil and gas wells in the unincorporated County;
 - Identify, assess, and inventory oil and gas pipelines within oil and gas fields, common carrier pipelines outside of oil fields and utility pipelines within the unincorporated County;
 - Identify and assess oil and gas storage facilities in the unincorporated County; and,
 - Review chemicals at oil and gas facilities not identified in Hazardous Materials Business Plans.
- Continue the coordination with the Advisory Panel.

Progress Update

- Coordination with DOGGR on wells
- Three project Staff Meetings
- Review updated DOGGR WellSTAR database
- Update Database and mapping for wells
- Regulatory framework research
- Coordination with State Fire Marshalls' Office on pipelines
- Development of pipeline database
- Initial review of oil and gas storage facilities.
- Review of SCAQMD Rule 1148.2 data on chemical use for wells.

Orphan and Abandoned Wells

- DOGGR Data Request
- DOGGR Database and Abandoned Well Prioritization
 - Well Status
 - Well location and population density
 - Historical well type
 - Well proximity to injector wells
 - Well age by spud date
 - Field Age
 - Reservoir Characteristics
 - Location relative to Cal EnviroScreen analysis
 - Location relative to LA County Methane Zones.

Orphan and Abandoned Wells

- Prioritization Results:
- The priority ranking produced scores ranging from zero to 143, with 128 wells ranking a score of above 75 and therefore classifying as a “higher priority well”.
- The higher priority wells are generally located in the southern County areas in the areas with higher population density.
 - Carson
 - Dominguez
 - East LA
 - La Puente
 - Marina del Rey
 - Whittier

Orphan and Abandoned Wells – Next steps

- Review detailed in-house DOGGR data on orphaned and abandoned wells history, including data on historical leaking abandoned wells, history of complaints and history of well blowouts.
- Research Public Works records on abandoned wells encountered during construction projects (such as at Marina Del Rey).
- Explore opportunities for interagency coordination to obtain additional types of well data to enhance the analysis.
- Review interagency well drilling and well activity communication protocols for potential improvements in notification procedures.
- Develop a site visit and inspection protocol for the high priority wells.
- Conduct site inspections of high priority wells.
- Provide recommendations on potential public and environmental health and safety concerns of high priority wells.

Oil and Gas Pipelines

- State Fire Marshall Data Request
 - Continuing to work with the State Fire Marshall's Office to obtain PSD 101 forms for each pipeline and the corresponding inspection reports for those pipelines.
- NPMS Pipeline Data
 - In Service;
 - Idle;
 - Abandoned; and,
 - Retired.

Oil and Gas Pipelines – Next Steps

- Continue to work with the State Fire Marshall to obtain pipeline data to update pipeline database.
- Develop a listing of the high priority pipelines based on the pipeline specific and inspection data listed above and census tract/population data.
- Develop a site visit and inspection protocol for the high priority pipelines;
- Conduct site inspections of high priority pipelines.
- Provide recommendations on potential public and environmental health and safety concerns of oil and gas pipelines.
- Make recommendations for additional County regulations if needed.

Oil and Gas Storage Facilities

➤ EPA Toxic Release Inventory Data

- petroleum facilities
- chemical facilities and
- petroleum bulk storage facility industry types

➤ Included Census Data Population densities

➤ Included Facilities by Spill History.

➤ Provided a Ranking of facilities and the top 10 Facilities.

➤ Next Steps

- Review Federal and State agency databases for leak or contamination history at facilities.
- Review Fire Dpt. records and the California Environmental Reporting System to identify facilities storing large quantities of oil and gas materials.
- Review applicability of including underground natural gas storage facilities such as the Aliso Canyon, Playa Vista, Montebello and Honor Ranch.

Well Drilling and Maintenance Chemical Use

SCAQMD Rule 1148.2 requires reporting of all chemical use for oil or gas drilling, well completion, or well reworks for onshore wells. No hydraulic fracturing projects were reported in the Los Angeles County basin through June 2019.

- Compiled the Rule 1148.2 data base for all available years for the unincorporated County.
- Provided a table of well activities by City
- Provided volumes of chemicals used for each activity performed.

Next Steps:

- Continue to review and analyze the Rule 1148.2 database including chemical quantities and sensitive receptor information.
- Review chemical compositions and toxicity for potential to affect public health and safety.
- Provide recommendations on potential public and environmental health and safety concerns of subject well activities and chemicals.

County of Los Angeles Oil and Gas Strike Team

Questions