

The Oil & Gas Strike Team meeting will start at 1:00 pm.

If you haven't previously requested to provide public comment on an agenda item, please send the following information through the chat box feature if you would like to provide public comment.

Agenda Item # you wish to speak on

First and Last name

Email address

All participants' mics will be muted during the public hearing. Mics will be unmuted when you are called on to speak to provide your public comment. Please check your mic is in working condition.



Oil & Gas Strike Team Public Meeting

September 15, 2021

MEMBERS

Jon Sanabria, Designated for the Department of Regional Planning
Mario Tresieras, Designated for the Los Angeles County Fire Department
Liza Frias, Designated for the Department of Public Health
James Chon, Designated for the Department of Public Works

STAFF

Alex Garcia, Supervising Regional Planner, County of Los Angeles
Diana Gonzalez, Regional Planner, County of Los Angeles
Casey Yourn, Deputy County Counsel, County of Los Angeles
Luis Perez, Senior Project Manager, MRS Environmental



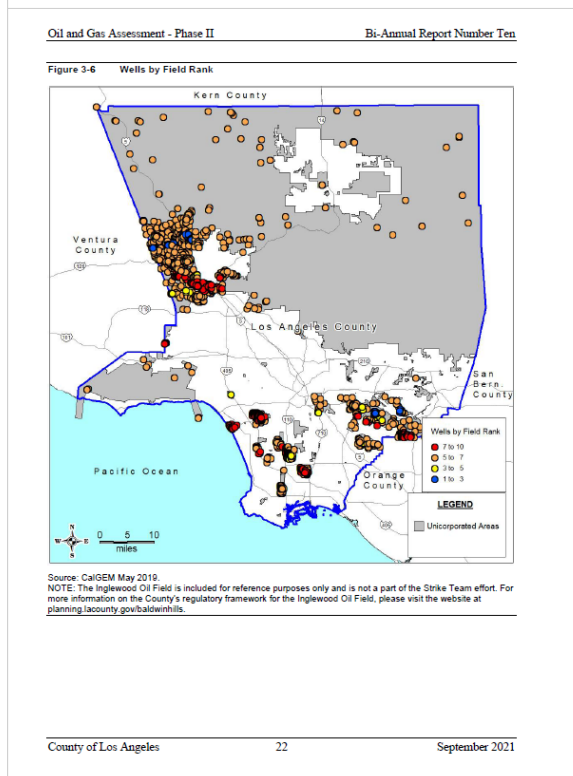
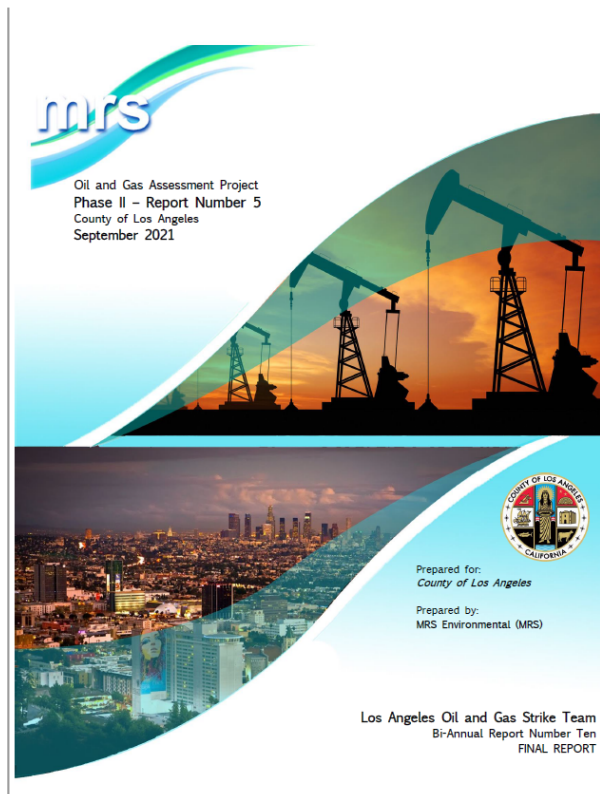
Oil & Gas Strike Team

Agenda

1. CALL TO ORDER
2. ROLL CALL
3. OIL AND GAS FACILITIES COMPLIANCE REPORT PROJECT
STRIKE TEAM BI-ANNUAL REPORT NUMBER 10 – PHASE II
REPORT NUMBER 5
4. PUBLIC COMMENTS
5. ADJOURNMENT



AGENDA ITEM 3: OIL AND GAS FACILITIES COMPLIANCE REPORT PROJECT: STRIKE TEAM BI-ANNUAL REPORT NUMBER 10 – PHASE II REPORT NUMBER 5



County of Los Angeles

**Los Angeles County Oil Facilities Strike Team
Joint Strike Team and Advisory Panel
Meeting**

**Final Report #5
PHASE II**

September 15, 2021

***Prepared By:
MRS Environmental***

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

Background

This report is the fifth and final 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;
- Pipelines;
- Storage facilities; and,
- Hazardous chemicals.

Oil and Gas Assessment
Project
Phase II – Report Number 5
County of Los Angeles
September 2021

Progress Update

- Addition of case studies of select recent well and pipeline incidents;
- Field inspection and reports of 77 abandoned and idle wells;
- Addition of a discussion on the underground gas storage facilities;
- Update through June 2021 of the South Coast Air Quality Management District (SCAQMD) Rule 1148.2 database for oil and gas drilling, well completion, and well rework chemical use;
- Development of findings and recommendations for this final report.

Case Study – West Hills Canoga Park

- Leaking Wells
- Canoga Park Oil Field Idle or Abandoned Wells
- CalGEM Monitoring the Issue
- CalGEM Directives to Parcel Owners:
 - Install fencing around each wellhead or group of visible wells to prevent public access.
 - Clear vegetation around each wellhead or group of wellheads to reduce fire risk.
 - CalGEM trying to identify the Responsible Party to require plugging and abandonment of the wells.



Source: CalGEM, June 2021

Case Study – Wilmington Pipeline Oil Spill

- March 17, 2014 pipeline leak from out of service pipeline.
- Approximately 1,200 gallons of crude oil onto a residential street in the City of Wilmington.
- Area is adjacent to the Wilmington Oil Field
- Officials suspected that a magnitude-4.4 earthquake in Westwood as a possible cause.
- California pipeline regulations require out-of-service pipelines to be cleaned out and refilled with water or inert gas.
 - Phillips 66 owned the pipeline for 13 years and never verified that the 10-inch, three-mile connector pipeline was emptied of oil or sealed off properly.
- Odor complaints from the public were received, however, authorities received no medical calls.
- Tests showed no health hazards to the public.
- Phillips 66's crews steam cleaned the street and repairs were completed in a week.

Case Study – City of Downey Gas Leak

- Natural gas leak Thursday, April 22, 2021
- City of Downey
- SoCalGas determined that a third-party contractor cut a gas main in a residential area.
- Approximately 40 households were affected by an evacuation order.
- A new emergency notification system that was intended to notify the residents of Downey but inadvertently notified the entire county resulted in unnecessary alarm and calls to the authorities by concerned citizens throughout the region.

County of Los Angeles Oil and Gas Strike Team

Well Inspections

- Well Inspections Included:
 - Monitoring for Gas/Odors/Vapors Utilizing Three Different Gas Monitors
 - RKI GX-6000 Multi Gas Monitor
 - FLIR GFX 320 Optimal Gas Imaging Camera
 - Thermoscientific Toxic Vapor Analyzer 2020
 - Engagement of the Public
 - Completion of Field Data Sheets for Each Well

Inspection Item	High Priority	Idle	Totals
Number of Wells Inspected	43	34	77
Above Ground Well Infrastructure Located	1	5	6
Total Number Members of the Public Interviewed	50	33	83
Wells with a Single Member of the Public Interviewed	25	16	41
Wells with Multiple Members of the Public Interviewed	10	8	18
Wells with No Members of the Public Interviewed	8	10	18
Wells with elevated Gas/Odor/Vapor Monitoring Levels	0	0	0

County of Los Angeles Oil and Gas Strike Team

Well Inspections

Well Data Sheet

CalGEM Records Review Summary					
Well API	403706750	Original Spud Date	11/17/1924		
Well Risk Ranking	132	Blowout History?	None		
Well Name	Dominguez 5	Gas or Gas Production?	UN		
Abandonment Date	1/18/1926	Well Type? Producer or Injector	Oil & Gas		
Years Since Abandonment	94	Well Finder Status	Plugged		
Other Regulatory Agency Records?	<ul style="list-style-type: none"> Attach CalGEM Maps Attach Other Agency Records 				
Well Location Detail					
APN	7318010025				
Nearest Address	3 rd Street, Rancho Dominguez, CA 90220				
Nearest Cross Street(s)	3 rd Street and A Street				
Land Use Type	Residential				
Nearest Residence	3 rd Street, Rancho Dominguez				
Nearest School	Broadacres Avenue School (~3,700 feet)				
Other Sensitive Receptor	Residences				
Wells in Area? Type of Well?	403707306 (plugged) 403706751 (plugged) 403706802 (plugged) 403707304 (plugged) 403707305 (plugged)				
Active Oil and Gas Equip?	No				
<ul style="list-style-type: none"> Attach Location Map from WellSTAR Attach Google Earth Map Attach Google Earth Image Attach Site Photographs 					
Well Inspection					
Inspection Date	6/16/2021	Inspectors			
Is Well Visible?	No				
Surface Description	Driveway of Unit 260				
Surrounding Area Land Use	Residential, mobile home park				
Any Signage?	No				
Fencing?	No				
Cone system?	No				
Air Quality/Odor Monitoring					
Location	FLIR Camera		RKI GSX - 6000		
	CH4	VOC	CH4	VOC	H2S
Crawl Space	Ø	Ø	Ø	Ø	Ø
Neighborhood Interviews					
Name/Contact Info	Comment(s)				
Resident	No odors, no observed or dug up oil/gas infrastructure				
Unit 260	Did not want any information				

County of Los Angeles Oil and Gas Strike Team

Well Inspections

➤ Location Summary

Location Categories	High Priority	Idle	Totals
Residential Dwelling	5	2	7
Residential Front Yard	7	9	16
Residential Back Yard	10	5	15
Residential Side Yard	1	3	4
Mobile Home	4	1	5
Street	6	3	9
Parking Lot	4	2	6
Parking Structure	2	0	2
Dirt Lot	0	5	5
Paved Lot – Industrial	2	1	3
Paved Lot – Commercial	1	1	2
Current Oil Field	0	1	1
Past Oil Field	1	1	2

Well Inspections

- Summary of Results:
 - Used the detection instruments at the well locations and in a grid pattern, searched in crevices, cracks, gaps, vents, and access spaces.
 - Used the detection instruments on any object that protruded from the ground (such as an old sprinkler pipe) that may serve as a conduit for gasses from potentially leaking wells;
 - Used the detection instruments in locations as requested by the public during interviews.
 - No vapors, gases or odors were detected during the inspections at any of the well locations.

Well Inspections

➤ Summary of Results:

- Many residents appreciated the County effort to check their backyard or other area with the gas monitors for leaks.
- No members of the public reported odor or air quality issues that may have been associated with oil and gas operations.
- Most residents were not aware of previous oil and gas operations in their neighborhood.
- Many residents kept a copy of the Neighborhood Fact Sheet for future reference should they have a concern about past oil and gas operations.
- One resident noted that he did dig up a well in his backyard in the location identified by the CalGEM database.

Recommendations

➤ Wells

- Development Review Procedures for Staff and Developers in Areas where Oil and Gas Activities Have Previously Occurred
- Adopt New Well Specific Development Standards
- High Priority Wells Monitoring
- Audit Idle Wells

Findings/ Recommendations Pipelines

- There are 1,400 pipelines in the unincorporated area of Los Angeles. Limited number reviewed.
- Information from the SFM's office was difficult to obtain and required multiple PRA requests. Information received appeared incomplete, and the Strike Team was unable to ascertain the status of some of the pipelines. In some cases, the inspection records were not up to date as required by the regulations, which mandate yearly inspections.
 - Requirement for Pipeline Inspection Records
 - Standards for Pipelines
 - Pipeline Installations and Use
 - Pipeline Inspection, Monitoring, Testing and Maintenance

Oil and Gas Storage Facilities

- Report Includes Data From:
 - EPA Toxic Release Inventory Data
 - California Environmental Reporting System (CERS)

- Data Includes:
 - Toxic Material Inventory Lists
 - Facility Risk Ranking List

- Final Report Includes a Discussion on the Following Underground Gas Storage Facilities:
 - So. California Gas Company Aliso Canyon Facility
 - Including the October 23, 2015 Gas Leak
 - So. California Gas Company Playa Del Rey Facility
 - So. California Gas Company Honor Rancho Facility

Well Drilling and Maintenance Chemical Use



- Total Fluid Use by Well Activity
- Average Material Use by Well Activity
- Location Maps by Well Activity
- Summary of Acute Materials Used

County of Los Angeles Oil and Gas Strike Team

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.

- Updated the Rule 1148.2 data base through July 2021.
 - Updated data consistent with previous data base years.

Rule 1148.2 Data 2016 through July 2021	
Well Activity Type	Average Fluid Use Including Water (Gallons) per Well
Well Drilling	60,848
Gravel Packing	11,249
Maintenance Acidizing	29,084
Acid Fracturing	16,256
Other	47,880

Recommendations

- Oil and Gas Storage Facilities
 - Coordinate with the Fire Department and the HMBP database to identify facilities handling acutely hazardous or explosive materials in proximity to receptors and conduct periodic inspections, along with the HMBP inspection program, of these facilities to ensure compliance with permit or other materials handling practices and ensure minimizing potential impacts to neighboring public areas.

- Well Drilling and Well Maintenance Chemical Use
 - Transportation Risk Management and Prevention Program (TRMPP)

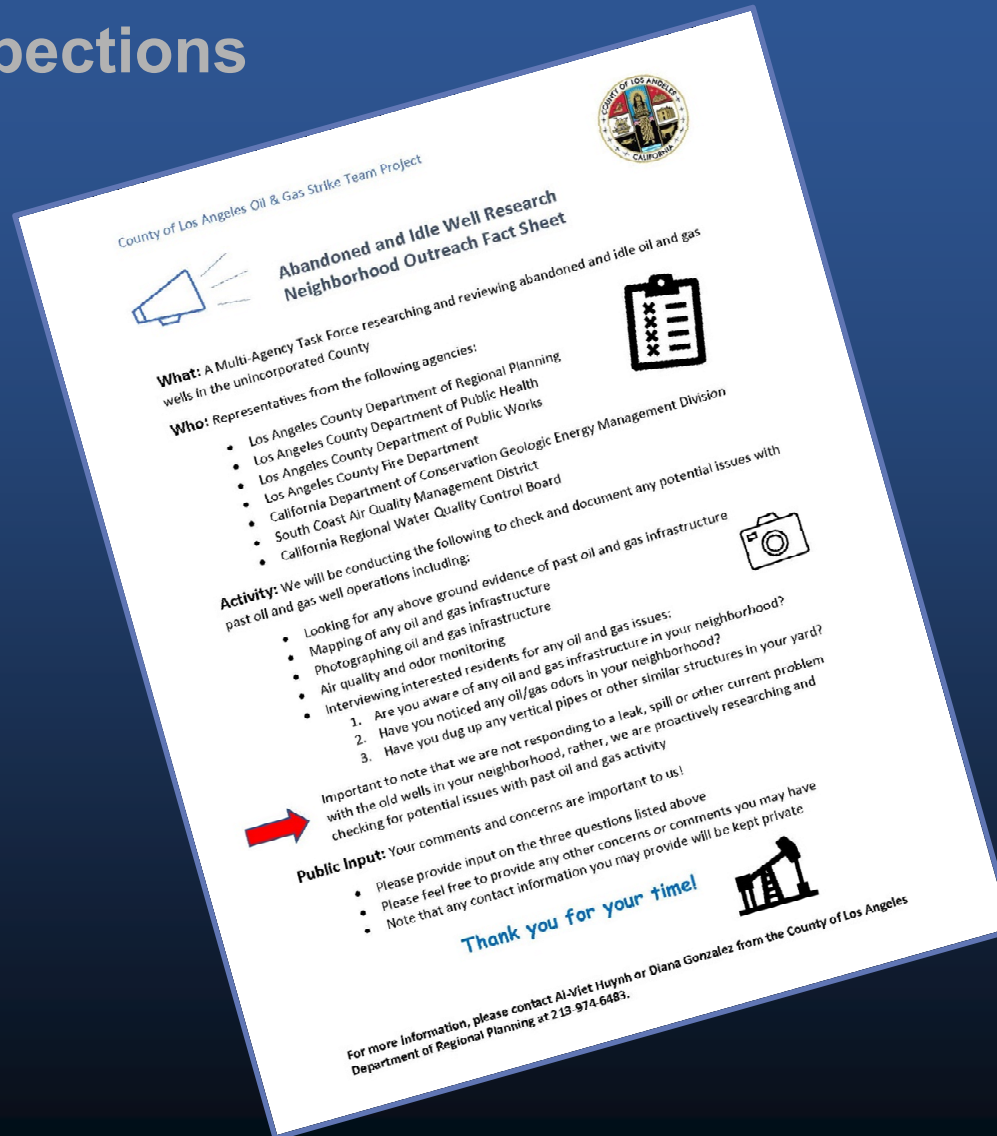
- It is recommended that for all the proposed recommendations, the appropriate County agencies should reconvene to create an implementation plan.

County of Los Angeles Oil and Gas Strike Team

Questions

County of Los Angeles Oil and Gas Strike Team

Well Inspections



Oil & Gas Strike Team

AGENDA ITEM 4: PUBLIC COMMENTS

AGENDA ITEM 5: ADJOURNMENT

