




Rule 1148 Series Requirements for Oil and Gas Wells



Working Group Meeting No. 2
June 8, 2022 – 3 pm

Join Zoom Webinar Meeting - from PC or Laptop
<https://scaqmd.zoom.us/j/95047775854>
Zoom Webinar ID: 950 4777 5854 (applies to all)
Teleconference Dial In +1 669 900 6833
One tap mobile +16699006833,,95047775854#

Agenda

- 
- Summary of Working Group Meeting #1
 - Concerns Regarding Notifications
 - Injection Wells and Acidizing Activities
 - Rule 1148.2 Rule Concepts
 - Ongoing Efforts and Next Steps

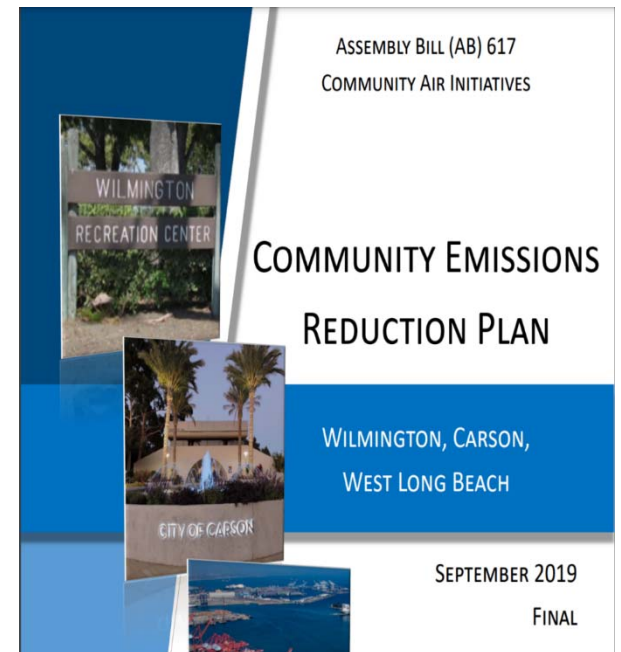
Summary of WGM #1

- Discussed background on oil wells including operations and disposition of oil and gas that is pumped out
- Brief overview of the Rule 1148 series of rules
- Rule 1148.2 is for notifications and is the first in the series to be amended
 - Rule 1148 is for thermally enhanced oil wells
 - Rule 1148.1 is for oil and gas production wells
 - Will be reviewed and amended after Rule 1148.2; projected for 2023



Summary of WGM #1 Cont.

- Reviewed AB617 Community Emissions Reduction Plan (CERP) for Wilmington, Carson and West Long Beach (WCWLB) and CERP for South LA (SLA) communities regarding oil production
- Noted and reviewed community concerns for both WCWLB and SLA



An aerial photograph showing a residential neighborhood with two oil pumpjacks in the foreground. The pumpjacks are green and black structures on a gravel pad, enclosed by a chain-link fence. The neighborhood consists of houses with brown roofs and green lawns. The background shows a vast urban area under a clear blue sky.

Concerns Regarding Notifications

6/08/2022

Concerns Regarding Notifications



- How can Rule 1148.2 notifications be accessed?
 - R1148.2 Notifications can be accessed publicly online
- What do those notifications currently include?
 - Includes specific information for oil producing well activity and chemicals used

<http://onbase-pub.aqmd.gov/publicaccess/DatasourceTemplate.aspx>

Available Information from Notifications

Notifications currently include:

- Operator and Well Information
- Description of Well Activities
- Nearest Sensitive Receptor within 1,500 feet of well

R1148.2 (d) Notification

| User Information | | |
|------------------|-------------|-------------|
| EForm Status | Date Stored | Time Stored |
| COMPLETED | 03/08/2022 | 3:15 PM |

Notification Type

| | |
|--|---|
| Notification Type* | Has this Previous Event ID Been superseded? |
| EXTENSION | N |
| Previous Event ID for Cancellation, Revision Date or Other | |
| 7034 | |

Operator Information

| | |
|----------------|--------------------------------------|
| Event ID | 7038 |
| Facility ID* | 156613 |
| Facility Name* | CALIFORNIA RESOURCES LONG BEACH, INC |
| Operator Name* | CALIFORNIA RESOURCES LONG BEACH INC |

Extension Information

| | |
|---|---|
| New extended date and time for well activity to begin | Number of previously requested extensions requested under the original notification |
| 03/09/2022 11:59:00 PM | 1 |

Well Information

| | |
|----------------|---|
| Well Name /ID* | API Well Number* |
| 5117 | 04-037-03947 |
| Well Type* | Well Geographical Coordinates (NAD 83 Format) |
| Oil | Well Latitude* |
| County* | 33.70256 |
| LOS ANGELES | Well Longitude* |
| Zip Code* | -118.20535 |
| 90802 | Start Date and Time |
| City | 03/07/2022 12:00:00 AM |
| LONG BEACH | |

Description of Well Activities

Select all that apply. If conducting a series of, or any combination of well production stimulation or treatment activities, identify all types of well production stimulation or treatment activity conducted.

Please click the Add button to the right to enter Well Activities

| Well Activity | |
|---------------|--|
| WELL REWORK | <input type="checkbox"/> Acidizing* |
| | <input type="checkbox"/> Hydraulic Fracturing |
| | <input checked="" type="checkbox"/> Gravel Packing |
| | <input type="checkbox"/> Maintenance Acidizing |
| | <input type="checkbox"/> Matrix Acidizing |
| | <input type="checkbox"/> Acid Fracturing |
| | Other (Please List) |

* Prior to April 2014, notifications did not distinguish between matrix and maintenance acidizing, and are reported as acidizing.

Nearest Sensitive Receptor Located within 1,500 feet of well

| | |
|---|------------------------|
| <input checked="" type="checkbox"/> Well Has Sensitive Receptor | Receptor Facility Name |
| Receptor Type | CESAR CHAVEZ SCHOOL |
| SCHOOL (K-12) | Address |
| Receptor Distance to Well in feet | 730 W 380 ST |
| 1436 | City |
| | LONG BEACH |
| | Zip Code |
| | 90802 |

Certification Statement

Pursuant to SCAQMD Rule 1148.2(d), this form shall be submitted to the District no more than 10 days and no less than 24 hours prior to the start of well drilling, well completion, or well rework. If the start date(s) of subject activities is modified, the owner or operator shall notify the District at least 24 hours prior to the new start date if modified to occur earlier than the original start date, or within 24 hours prior to the original start date if modified to occur after the original start date, or if the original start date is cancelled. By clicking the checkbox below, I certify that I am the duly-authorized person to submit this form. I hereby attest, to the best of my knowledge, that the information contained herein is true, accurate and complete. With regard to information that I do not have personal knowledge of, I hereby attest that I have accurately entered the information contained herein from authorized personnel who represented that the information is true, accurate and complete.

I Agree to the above Certification Statement *

<http://onbase-pub.aqmd.gov/publicaccess/DatasourceTemplate.aspx>

Accessing Information Online

The screenshot shows the South Coast AQMD website interface. At the top, there is a navigation bar with links for Language, F.I.N.D., About, Contact, Grants & Bids, Online Services, I'm Looking For, Sign Up, and a search box. Below this is a main menu with categories: AIR QUALITY, Facility Information Detail (F.I.N.D.), PERMITS, NEWS, WEBCASTS, & CALENDAR, TECHNOLOGY ADVANCEMENT, RESOURCES, and MEETING AGENDAS & MINUTES. A drop-down menu is open under F.I.N.D., listing Limitations, Information Available, How To Search, and Other Tools. The 'Other Tools' option is circled in orange. The main content area features a large banner for 'Air Quality Investigations' with a video player and a 'Learn more' button. Below the banner is an 'Alerts' section for the 'All American Asphalt Air Monitoring Initiative'. At the bottom, there is a row of six icons representing different services: Rebates / Incentives, Air Quality, Report a Complaint, Facility Information (F.I.N.D.), Calendar, and Download the App.

Select “Other Tools” from the drop-down menu under F.I.N.D.

Accessing Information Online

During this difficult time, South Coast AQMD is committed to protecting air quality and public health. Please visit our COVID-19 page for the operational updates and latest info

Language F.I.N.D. About Contact Grants & Bids Online Services I'm Looking For Sign Up Search

AIR QUALITY INCENTIVES & PROGRAMS RULES & COMPLIANCE PERMITS NEWS, WEBCASTS, & CALENDAR TECHNOLOGY ADVANCEMENT RESOURCES MEE AGEN MINI

Home / F.I.N.D. / Other Tools

Other Tools

Other tools to search for information on regulated facilities.

There are other inquiry modules on our website that allow public inquiry searches by date range or target year. If you need to access your information in this manner click on one of the links below

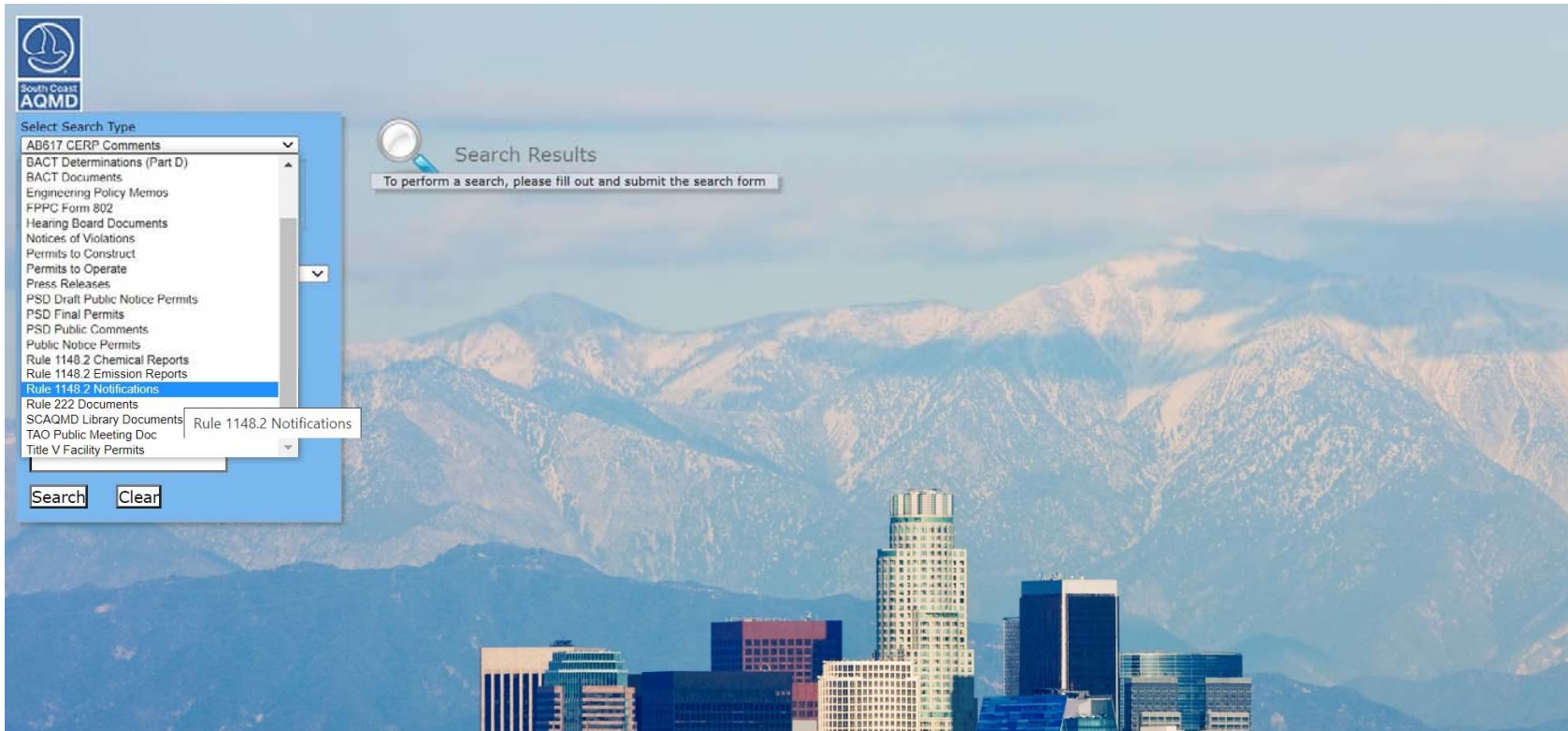
- Click [here](#) to search the Facility Map
- Click [here](#) to access the NOV/NC Public Inquiry System
- Click [here](#) to access the Public Inquiry System for Emission Inventory Data
- Click [here](#) to access the Public Document Search

[Click Here to Start Searching in F.I.N.D.!](#)

YOU MAY ALSO LIKE ...

Click on “here” on the Public Document Search line

Public Documents Search



Select “Rule 1148.2 Notifications” from the drop-down menu

Rule 1148.2 Notification Information

The screenshot displays the AOMD search interface. On the left, there is a search filter panel with the following fields:

- Select Search Type:** Rule 1148.2 Notifications
- Search for Rule 1148.2 Notifications using the facility's ID, Name or Address, the City or County that it is located in, or by selecting a date range**
- Dates:** Start: 01/01/2018, End: 01/01/2022
- R1148.2 Event ID (org):** [Empty field]
- API Nbr:** [Empty field]
- Facility ID:** [Empty field]
- Facility Name:** [Empty field]
- Well Name /ID:** [Empty field]
- Operator Name:** [Empty field]
- City:** los angeles
- County - Well:** [Dropdown menu]
- Zip Code:** [Empty field]
- Well Activity:** [Dropdown menu]
- Start Date:** [Empty field]
- M/d/yyyy**
- Search** and **Clear** buttons

The main area shows the **Search Results** table with the following columns: Notice Date, Event ID, Operator Name, Zip, and County. The table contains 48 rows of data, showing various notification events from 2018 to 2022, primarily involving Sentinel Peak Resources California LLC in Los Angeles.

| Notice Date | Event ID | Operator Name | Zip | County |
|-------------|----------|---|-------|-------------|
| 12/13/2021 | 6985 | SENTINEL PEAK RESOURCES CALIFORNIA LLC | 90056 | LOS ANGELES |
| 12/13/2021 | 6984 | SENTINEL PEAK RESOURCES CALIFORNIA LLC | 90056 | LOS ANGELES |
| 11/29/2021 | 6975 | SENTINEL PEAK RESOURCES CALIFORNIA LLC | 90056 | LOS ANGELES |
| 11/29/2021 | 6974 | SENTINEL PEAK RESOURCES CALIFORNIA LLC | 90056 | LOS ANGELES |
| 11/29/2021 | 6973 | SENTINEL PEAK RESOURCES CALIFORNIA LLC | 90056 | LOS ANGELES |
| 11/29/2021 | 6972 | SENTINEL PEAK RESOURCES CALIFORNIA LLC | 90056 | LOS ANGELES |
| 11/15/2021 | 6967 | SENTINEL PEAK RESOURCES CALIFORNIA LLC | 90056 | LOS ANGELES |
| 11/15/2021 | 6966 | SENTINEL PEAK RESOURCES CALIFORNIA LLC | 90056 | LOS ANGELES |
| 11/11/2021 | 6957 | SENTINEL PEAK RESOURCES CALIFORNIA LLC | 90056 | LOS ANGELES |
| 11/11/2021 | 6956 | SENTINEL PEAK RESOURCES CALIFORNIA LLC | 90056 | LOS ANGELES |
| 10/25/2021 | 6948 | PCEC | 90035 | LOS ANGELES |
| 10/25/2021 | 6947 | PCEC | 90035 | LOS ANGELES |
| 10/19/2021 | 6944 | PCEC | 90035 | LOS ANGELES |
| 10/19/2021 | 6943 | SENTINEL PEAK RESOURCES CALIFORNIA LLC | 90056 | LOS ANGELES |
| 10/19/2021 | 6942 | SENTINEL PEAK RESOURCES CALIFORNIA LLC | 90056 | LOS ANGELES |
| 10/6/2021 | 6935 | PCEC | 90035 | LOS ANGELES |
| 10/5/2021 | 6929 | SENTINEL PEAK RESOURCES CALIFORNIA LLC | 90056 | LOS ANGELES |
| 10/5/2021 | 6928 | SENTINEL PEAK RESOURCES CALIFORNIA LLC | 90056 | LOS ANGELES |
| 9/17/2021 | 6920 | SENTINEL PEAK RESOURCES CALIFORNIA LLC | 90056 | LOS ANGELES |
| 9/17/2021 | 6919 | SENTINEL PEAK RESOURCES CALIFORNIA LLC | 90056 | LOS ANGELES |
| 9/17/2021 | 6917 | SENTINEL PEAK RESOURCES CALIFORNIA LLC | 90056 | LOS ANGELES |
| 9/17/2021 | 6916 | SENTINEL PEAK RESOURCES CALIFORNIA LLC | 90056 | LOS ANGELES |
| 8/31/2021 | 6906 | LOU ZYLSTRA | 90019 | LOS ANGELES |
| 8/10/2021 | 6899 | SENTINEL PEAK RESOURCES CALIFORNIA LLC | 90056 | LOS ANGELES |
| 8/10/2021 | 6898 | SENTINEL PEAK RESOURCES CALIFORNIA LLC | 90056 | LOS ANGELES |
| 7/26/2021 | 6895 | SENTINEL PEAK RESOURCES CALIFORNIA LLC | 90056 | LOS ANGELES |
| 7/26/2021 | 6895 | SENTINEL PEAK RESOURCES CALIFORNIA LLC | 90056 | LOS ANGELES |
| 6/24/2021 | 6878 | SENTINEL PEAK RESOURCES CALIFORNIA LLC | 90056 | LOS ANGELES |
| 6/24/2021 | 6877 | SENTINEL PEAK RESOURCES CALIFORNIA LLC | 90056 | LOS ANGELES |
| 4/26/2021 | 6858 | SENTINEL PEAK RESOURCES CALIFORNIA LLC | 90056 | LOS ANGELES |
| 4/26/2021 | 6857 | SENTINEL PEAK RESOURCES CALIFORNIA LLC | 90056 | LOS ANGELES |
| 3/30/2021 | 6834 | SENTINEL PEAK RESOURCES CALIFORNIA LLC | 90056 | LOS ANGELES |
| 3/9/2021 | 6811 | SENTINEL PEAK RESOURCES CALIFORNIA LLC | 90056 | LOS ANGELES |
| 3/9/2021 | 6803 | SENTINEL PEAK RESOURCES CALIFORNIA LLC | 90056 | LOS ANGELES |
| 12/23/2020 | 6760 | E&B NATURAL RESOURCES | 90019 | LOS ANGELES |
| 7/24/2020 | 6687 | HILLCREST BEVERLY OIL CORP | 90064 | LOS ANGELES |
| 7/24/2020 | 6686 | PCECLP | 90035 | LOS ANGELES |
| 3/13/2020 | 6640 | LOU ZYLSTRA | 90019 | LOS ANGELES |
| 3/13/2020 | 6639 | SENTINEL PEAK RESOURCES CALIFORNIA, LLC | 90056 | LOS ANGELES |
| 3/6/2020 | 6622 | SENTINEL PEAK RESOURCES CALIFORNIA, LLC | 90056 | LOS ANGELES |
| 3/2/2020 | 6618 | SENTINEL PEAK RESOURCES CALIFORNIA, LLC | 90056 | LOS ANGELES |
| 2/21/2020 | 6609 | SENTINEL PEAK RESOURCES CALIFORNIA, LLC | 90056 | LOS ANGELES |
| 2/18/2020 | 6599 | SENTINEL PEAK RESOURCES CALIFORNIA, LLC | 90056 | LOS ANGELES |
| 2/14/2020 | 6593 | TEST | 90056 | LOS ANGELES |
| 2/13/2020 | 6590 | SENTINEL PEAK RESOURCES CALIFORNIA, LLC | 90056 | LOS ANGELES |
| 2/11/2020 | 6576 | SENTINEL PEAK RESOURCES CALIFORNIA, LLC | 90056 | LOS ANGELES |
| 2/7/2020 | 6556 | SENTINEL PEAK RESOURCES CALIFORNIA, LLC | 90056 | LOS ANGELES |
| 1/31/2020 | 6524 | SENTINEL PEAK RESOURCES CALIFORNIA, LLC | 90056 | LOS ANGELES |
| 1/28/2020 | 6505 | E&B NATURAL RESOURCES | 90019 | LOS ANGELES |
| 1/24/2020 | 6500 | E&B NATURAL RESOURCES | 90019 | LOS ANGELES |
| 1/22/2020 | 6496 | SENTINEL PEAK RESOURCES CALIFORNIA, LLC | 90056 | LOS ANGELES |
| 1/17/2020 | 6479 | SENTINEL PEAK RESOURCES CALIFORNIA, LLC | 90056 | LOS ANGELES |
| 1/17/2020 | 6480 | SENTINEL PEAK RESOURCES CALIFORNIA, LLC | 90056 | LOS ANGELES |
| 1/17/2020 | 6480 | SENTINEL PEAK RESOURCES CALIFORNIA, LLC | 90056 | LOS ANGELES |

Put in a date range, city, zip code, and/or other information to limit search results

Reviewing Individual Notifications

R1148.2 (d) Notification

| User Information | | |
|------------------|-------------|-------------|
| EForm Status | Date Stored | Time Stored |
| COMPLETED | 12/13/2021 | 10:55 AM |

| Notification Type | |
|--|---|
| Notification Type* | Has this Previous Event ID Been superseded? |
| ORIGINAL | <input type="checkbox"/> |
| Previous Event ID for Cancellation, Revision Date or Other | |
| <input type="text"/> | |

| Operator Information |
|---|
| Event ID |
| 6985 |
| Facility ID* |
| 184301 |
| Facility Name* |
| SENTINEL PEAK RESOURCES CALIFORNIA, LLC |
| Operator Name* |
| SENTINEL PEAK RESOURCES CALIFORNIA LLC |

- Review/download notifications via PDF format

<http://onbase-pub.aqmd.gov/publicaccess/DatasourceTemplate.aspx>

Frequently Asked Questions

Home / Online Services / Public Records / Public Document Search

Public Document Search

This document search service provides public access to a variety of documents and permit information for facilities located within the South Coast AQMD's jurisdiction that have obtained permits to use equipment that emit air contaminants.

[Document Search](#)

Frequently Asked Questions

1. What kind of documents can I view while using this service?
2. Can I search for more than one facility at a time?
3. How do I perform a Wild Card Search?
4. What will each of the search queries return to me?
5. What is the maximum number of results the search will return?
6. What if I can't find what I'm looking for?
7. What browsers are supported?
8. Why won't the document display in my browser?
9. How do I sort the results list?
10. Can I save or download the results list?

YOU MAY ALSO LIKE ...

About

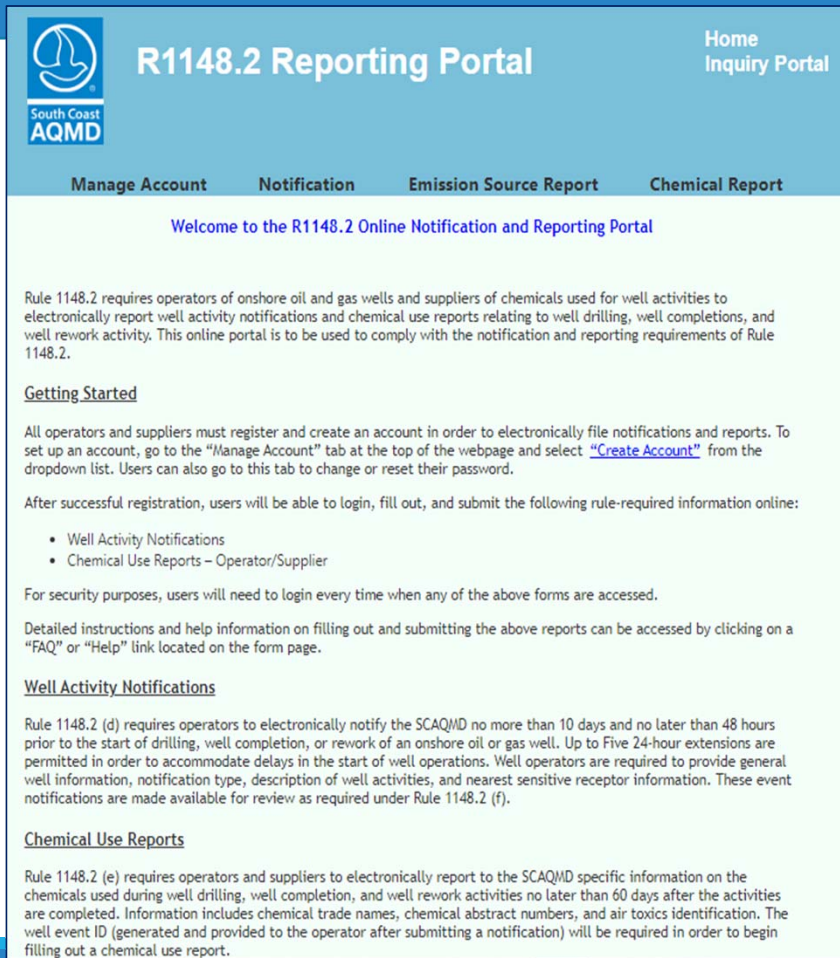
The South Coast AQMD believes all residents have a right to live and work in an environment of clean air and is committed to undertaking all necessary steps to prote...

Business

Incentives and programs for the business community.

Further help available by using Frequently Asked Questions via Online Services/Public Records/Public Document Search

Update to the Reporting Portal



The screenshot shows the homepage of the R1148.2 Reporting Portal. At the top left is the South Coast AQMD logo. The main header contains the text 'R1148.2 Reporting Portal' and 'Home Inquiry Portal'. Below the header is a navigation bar with four tabs: 'Manage Account', 'Notification', 'Emission Source Report', and 'Chemical Report'. The main content area begins with a welcome message: 'Welcome to the R1148.2 Online Notification and Reporting Portal'. This is followed by a paragraph explaining that Rule 1148.2 requires operators of onshore oil and gas wells and suppliers of chemicals to electronically report well activity notifications and chemical use reports. Below this is a section titled 'Getting Started' which provides instructions on how to register and create an account, and lists the types of reports that can be submitted: Well Activity Notifications and Chemical Use Reports. It also mentions that users will need to login every time and that detailed instructions are available via 'FAQ' or 'Help' links. The page is divided into sections for 'Well Activity Notifications' and 'Chemical Use Reports', each with a brief description of the reporting requirements.

Issue: The manual entry of chemicals into the reporting portal has led to data entry errors.

Solution: Staff will be updating the reporting portal to include drop down menus to ease identification of chemicals based on the Chemical Abstracts Service (CAS) registry number

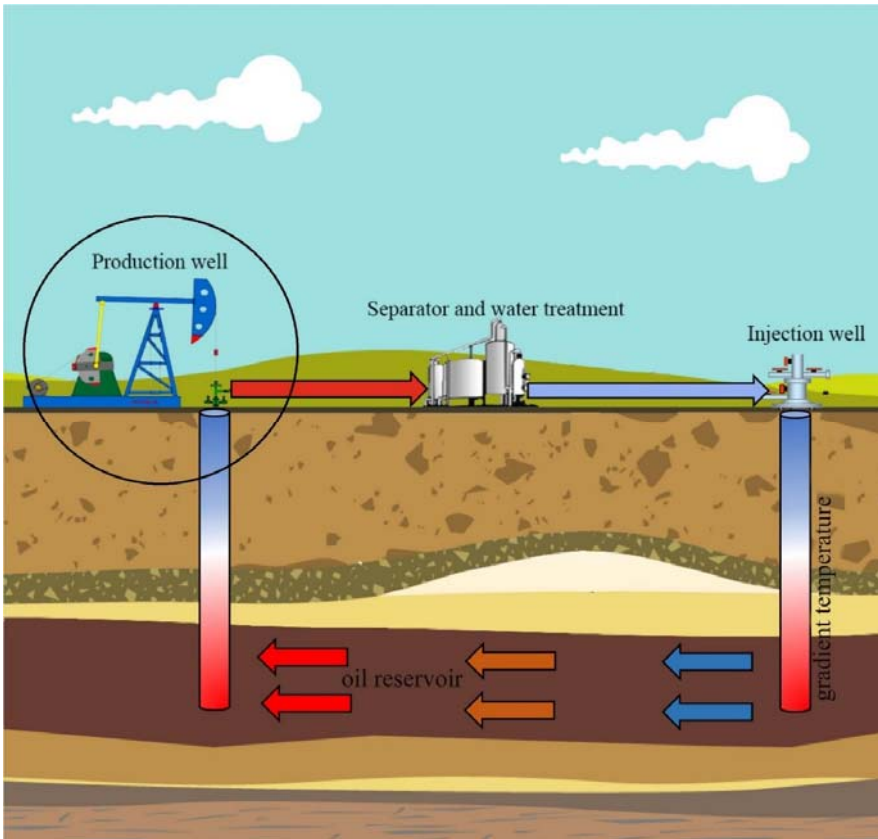
An oil pumpjack is the central focus, positioned in an industrial yard. The pumpjack is a large, dark-colored mechanical structure with a long, angled arm. In the background, there are several blue and green shipping containers stacked together. The sky is clear and blue, with a bright sun in the upper left corner. The ground is a flat, light-colored surface, possibly gravel or sand. The overall scene is an industrial site, likely an oil field or refinery.

Injection Wells & Acidizing Activities

6/08/2022

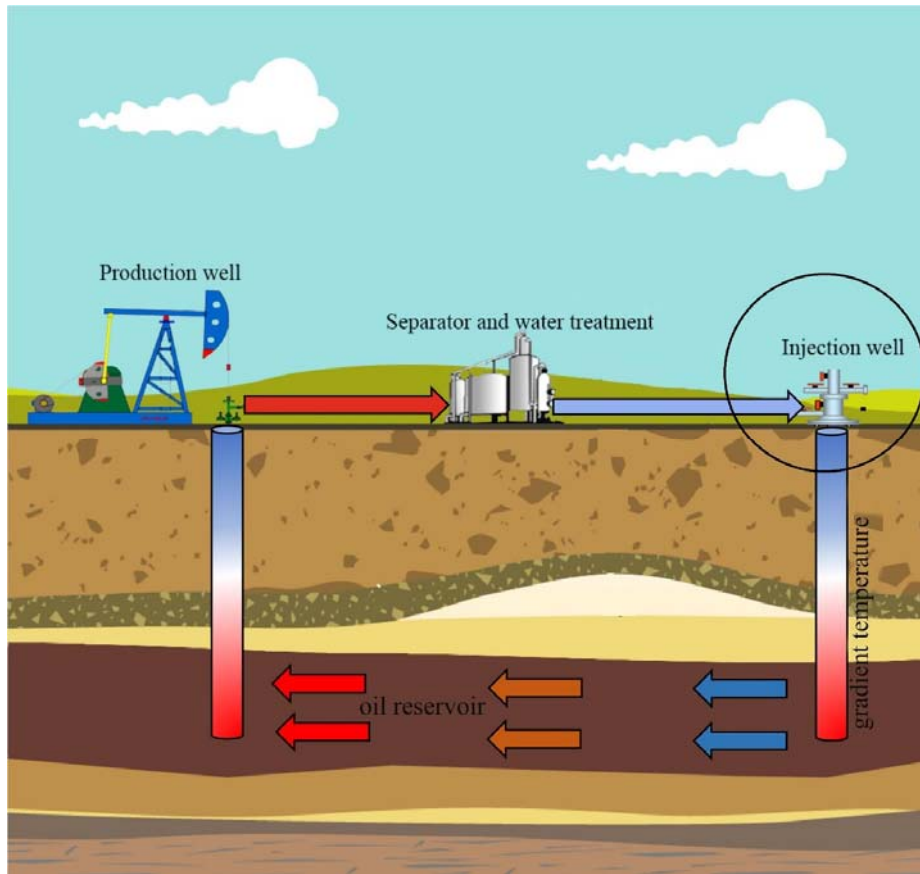
15

Activities Currently Subject to Notification



- Notifications are made for drilling, well completion, or well rework
 - Limited to producing/production oil or gas well
- Injection wells are currently not required to notify for maintenance activities

Injection Wells & Acidizing Activities



- An injection well is a hole used to inject fluid, primarily water, into a reservoir to create fluid lift or maintain reservoir pressure
- Scale is a mineral deposit, such as calcium carbonate, that clogs tubing causing back pressure to build up
 - Acids may be injected into the well to remove scale and to reduce back pressure issues

Community Concerns About Acidizing

- Community has expressed concerns about having acid on-site near sensitive receptors
- Injection well acidizing is normally a closed loop system
 - Does not release emissions into the atmosphere when conducted properly



A photograph of an oil pumpjack in an industrial yard. The pumpjack is the central focus, with its long walking beam and counterweight visible. In the background, there are several shipping containers, some with the 'HANKIN' logo. The sky is clear and blue, with the sun visible in the upper left corner. The overall scene is an industrial setting.

Rule 1148.2 Initial Rule Concepts

6/08/2022

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Rule 1148.2 Initial Rule Concepts



- Add new notification requirement for well acidizing during maintenance of injection wells
 - Considering limiting notifications to acidizing conducted within 1,500 feet of a sensitive receptor
- Reviewing current notification CAL GEM requirements that could also be incorporated into the rule
 - Well maintenance, volume of chemicals used, and chemical name

Additional SLA Community Concerns



Shown in the picture is an example of a workover rig. It is commonly used to perform maintenance on an oil well and can be used to remove and/or replace tubing.

- Recent update to the SLA CERP included adding notifications for workover rig operations
- Staff seeking stakeholder feedback on request

Future Rule 1148.1 Rule Concepts

- Rule 1148.1 covers reduction of VOC emissions and handling of gas and oil production sites
- Additional concerns regarding Rule 1148.1 to be addressed in the future including:
 - Monitoring
 - Zero-emission equipment
 - Odorant use



An oil pumpjack is the central focus, positioned in an industrial yard. The pumpjack is a large, dark metal structure with a long, angled arm extending upwards. In the background, there are several blue and green shipping containers stacked together. The sky is clear and blue, with a bright sun in the upper left corner. The overall scene is an industrial setting, likely a port or a storage yard for oil equipment.

Ongoing Efforts and Next Steps

6/08/2022

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Ongoing Efforts and Next Steps

Continue information gathering



Continue site visits of affected facilities



Meetings with stakeholders



Draft Proposed Rule Language

Proposed Rule Schedule for PAR 1148.2



PAR 1148 and 1148.1 to be amended in 2023

Staff Contacts

The following South Coast AQMD staff is available to assist you with any questions or comments



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