

**PUBLIC UTILITIES COMMISSION**

505 VAN NESS AVENUE  
SAN FRANCISCO, CA 94102-3298



December 11, 2015

Jimmie Cho, Senior Vice President  
Southern California Gas Company  
Gas Operations and System Integrity  
555 W 5th Street, GT21C3  
Los Angeles, CA 90013

**SUBJECT: CPUC / DOGGR Data Request on Aliso Canyon**

Dear Mr. Cho:

Yesterday, Division of Oil, Gas, and Geothermal Resources (DOGGR) required Southern California Gas Company (SoCalGas) to "Maximize the rate of withdrawal from the reservoir to reduce reservoir pressure to aid in the control and plugging of SS 25". The Safety and Enforcement Division (SED) of the California Public Utilities Commission (CPUC) is now following up with a more detailed data request to confirm that SoCalGas is taking the best possible course of action.

SED, in coordination with DOGGR, hereby directs SoCalGas to answer the following data request (ATTACHMENT) by Monday 12/14/15 at 5PM. In the event you cannot provide all data, produce a rolling production with a justification for your delay.

Please feel free to contact me with any questions.

Sincerely,

A handwritten signature in blue ink, appearing to read "Elizaveta Malashenko".

**Elizaveta Malashenko**  
**Director – Safety and Enforcement Division**  
**California Public Utilities Commission**

**Kenneth A. Harris, Jr.,**  
**State Oil and Gas Supervisor**  
**CALIFORNIA DEPARTMENT OF CONSERVATION**  
**DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES**

**ATTACHMENT**

1. Please complete the table for the following data for the following SoCal Gas storage fields.

|   | Aliso Canyon | Honor Rancho | Playa del Rey | La Goleta |
|---|--------------|--------------|---------------|-----------|
| Total gas storage capacity as of 12/14/15 (FERC approved) |              |              |               |           |
| Total gas in storage on 12/14/15                          |              |              |               |           |
| Base gas  |              |              |               |           |
| Working gas   |              |              |               |           |
| Working gas capacity                                      |              |              |               |           |
| % of working gas Capacity                                 |              |              |               |           |
| Cycling rate per year                                     |              |              |               |           |
| Deliverability rate (withdrawal) (MMscfd)                 |              |              |               |           |
| Injection rate (MMscfd)                                   |              |              |               |           |

In your responses for injection and withdrawal rate, please also specify whether any reductions are currently in effect, the reasons for the reductions, and how long the reductions will be in effect.

2. Please state the allocation of inventory, withdrawal and injection capacity to:
- a. Core customers
  - b. Unbundled storage
  - c. Balancing
3. Please state the amount of gas in storage as of 12/14/15 for:
- a. Core customers
  - b. Unbundled storage
  - c. balancing
4. What is the maximum withdrawal rate (MMscfd and approximate flowing pressure) from Aliso Canyon that SoCalGas would anticipate with field inventory at the following levels:
- a. Full
  - b. 70 Bcf
  - c. 60 Bcf
  - d. 50 Bcf
  - e. 40 Bcf
  - f. 30 Bcf
  - g. 20 Bcf

- h. 10 Bcf
5. Please provide an excel spreadsheet with daily physical injection and withdrawal volumes, working pressure, and % of working gas capacity for Aliso Canyon from January 1, 2014 to December 14, 2015. Injection and withdrawal volumes should be provided for each individual well and in total for the field.
    - a. Please also indicate what portion of those injections or withdrawals were made for the purpose of providing balancing service.
    - b. Please supplement your response to this question for each day following your response. Supplemental responses are due on Monday of each week by 5PM.
  6. Please provide an excel spreadsheet with monthly averages of injection and withdraw quantities, working pressures, and % of working gas capacity for Aliso Canyon from January 1, 2014 through the date of your response.
  7. What is the maximum volume of gas SoCalGas can get out of Aliso Canyon per day?
    - a. What is this maximum volume limited by?
    - b. What is the expected average daily demand by customers?
    - c. How much extra gas would SoCalGas estimate putting into the system assuming maximum withdraw rate less expected demand?
    - d. Describe all options for moving gas out of the Aliso Storage field including moving gas to other storage fields, flaming off gas, packing your transmission lines; connecting to interstate transmission lines; physically moving gas out of the SoCalGas / SDG&E system.
  8. Please describe the SoCalGas and SDG&E system reliability issues that could arise at the following Aliso Canyon reservoir levels. For each level indicate all supply contingencies that could be put in place to mitigate the reliability risk including using mobile compressed natural gas units as well as the feasibility of such contingencies.
    - a. Full
    - b. 70 Bcf
    - c. 60 Bcf
    - d. 50 Bcf
    - e. 40 Bcf
    - f. 30 Bcf
    - g. 20 Bcf
    - h. 10 Bcf
    - i. No working gas
  9. Which wells at Aliso Canyon can be safely used for either injections or withdrawals at this time?
  10. Which surface piping or other facilities can be safely used?
  11. How has unsafe surface piping and facilities been isolated from piping in use?

12. How are injections or withdrawals into the Aliso Canyon reservoir affecting the casing leakage at Well SS25?
13. Please describe the measures that SoCalGas has taken to increase or induce storage withdrawals from Aliso Canyon, including at least the following, and including SoCalGas' assessment of whether such measures have been successful or not:
  - a. Avoiding calling Low OFOs
  - b. Gas Acquisition Department storage withdrawals beyond what might normally have occurred
  - c. Restriction of Receipt Point transmission capacity in the Northern and Southern Zones
14. Please explain whether SoCalGas's system operator could withdraw gas from Aliso Canyon and inject that gas into other SoCalGas storage facilities. Please explain any restrictions on such a measure and under what conditions the measure could be implemented.