

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
CENTRAL COAST REGION
895 AEROVISTA PLACE, SUITE 101
SAN LUIS OBISPO, CALIFORNIA**

**RESOLUTION NO. R3-2006-0014
Approval of the Cessation of Interim Alternative Water Supply**

For

**Olin Corporation
425 Tennant Avenue, Morgan Hill
Santa Clara County**

The California Regional Water Quality Control Board, Central Coast Region (hereinafter Central Coast Water Board) finds that:

1. On July 6, 2004, the Central Coast Water Board Executive Officer issued Cleanup or Abatement Order No. R3-2004-0101 (CAO No. R3-2004-0101). Cleanup or Abatement Order No. R3-2004-0101 required Olin Corporation and Standard Fusee Corporation (Standard Fusee) to supply interim alternative water supply to well owners with perchlorate concentrations at and above 4 parts per billion (ppb)¹. The Executive Officer issued CAO No. R3-2004-0101 in response to Olin Corporation's and Standard Fusee's request to change the then existing interim alternative water supply trigger level from 4 ppb to 6 ppb. The request was prompted by the Office of Environmental Health Hazzard Assesment's promulgated Public Health Goal (PHG) of 6 ppb and a subsequent change of the Department of Health Service's Notification Level from 4 ppb to 6 ppb.
2. On August 5, 2004, Olin Corporation and Standard Fusee Corporation petitioned CAO No. R3-2004-0101 to the State Water Resources Control Board (hereinafter State Water Board). The Dischargers petitioned the State Water Board to modify the interim alternative water supply trigger level from 4 ppb to 6 ppb.
3. On May 19, 2005, the State Water Board issued Order WQ 2005-0007, which amended CAO No. R3-2004-0101. Order WQ 2005-0007 modified the trigger level for alternative water supply from 4 to 6 ppb, changed requirements for cessation of alternative water supply, and attached monitoring requirements agreed to by Central Coast Water Board staff and Olin Corporation.
4. Order WQ 2005-0007 requires that the Central Coast Water Board approve any cessation of alternative water supply based on a data set that does not include four "prospective" consecutive quarters of perchlorate data. "Prospective" means after adoption of Order WQ 2005-0007 on May 19, 2005. The requirement for Board approval rather than Exeuctive Officer approval only applies where a well owner was receiving replacement water as of May 19, 2005, and less than four quarters of sampling post-May 19, 2005 are available. Order WQ 2005-0007 requires Central Coast Water Board approval in new Directive 2a as follows:

"Notwithstanding other requirements, for well owners currently receiving replacement water service, no discontinuation of that service shall occur, unless

¹ The Cleanup or Abatement Order also required replacement water for wells with perchlorate detections below 4 ppb, but replacement water could be discontinued if perchlorate levels remained below 4 ppb for four consecutive quarters.

approved by the Central Coast Water Board [emphasis added], until four prospective quarters of monitoring show perchlorate concentrations equal to or less than 6 ppb."

5. On September 15, 2005, Olin Corporation submitted a list of 78 domestic supply wells with a minimum of four continuous quarters of perchlorate results below four parts per billion (ppb). Olin has requested to terminate interim alternative water supply to the current users of those 78 wells. These wells are listed below. A map showing well locations is included as Attachment 1 to this Resolution, which is hereby incorporated by reference.

WELLS

09S03E26L005, 09S03E26L009, 09S03E26P001, 09S03E26P003, 09S03E26P004, 09S03E34R016, 09S03E35B006, 09S03E35C005, 09S03E35D004, 09S03E35E005, 09S03E35E012, 09S03E35F007, 09S03E35G004, 09S03E35H001, 09S03E35H002, 09S03E35L007, 09S03E35M011, 09S03E35M012, 9S03E35N011, 09S03E35P014, 09S03E35Q006, 09S03E35R008, 09S03E35R020, 09S03E35R021, 09S03E36F006, 09S03E36F020, 9S03E36K009, 9S03E36M006, 09S03E36M008, 09S03E36N008, 09S03E36P005, 09S03E36Q001, 09S03E36Q011, 10S03E01B005, 10S03E01C014, 10S03E01C017, 10S03E01J002, 10S03E01J010, 10S03E01K014, 10S03E01R011, 10S03E11P001, 10S03E11P002, 10S03E12A009, 10S03E12F001, 10S03E12G002, 10S03E12G006, 10S03E12G008, 10S03E12G010, 10S03E12G012, 10S03E14B005, 10S03E14B006, 10S04E06E007, 10S04E06N007, 10S04E06N014, 10S04E06P013, 10S04E07F017, 10S04E07K001, 10S04E07Q003, 10S04E08F009, 10S04E19C002, 10S04E19E001, 10S04E19Q005, 10S04E30C006, 10S04E30C008, 10S04E30E004, 10S04E30J006, 10S04E30J007, 10S04E30Q001, 10S04E33G005, 10S04E33J001, 10S04E34Q007, 11S04E03E001, PL-UNKNOWN-32, PL-UNKNOWN-42, PL-UNKNOWN-47, PL-UNKNOWN-57, PL-UNKNOWN-89, Private Well 18

6. Olin's Corporation's perchlorate monitoring results include a minimum of four continuous quarters of sampling data, but some of the data were collected before issuance of Order WQ 2005-0007. Since the four continuous quarters of perchlorate data are not prospective to the State Water Board Order, Olin Corporation is required to obtain Central Coast Water Board approval to cease replacement water supply.
7. A majority of the subject wells are located on the periphery of the main plume area as currently defined, as shown on Attachment 1. However, a small subset of wells are located within the currently defined main plume. The lateral and vertical extent of the plume have not yet been determined.
8. There are six wells with perchlorate concentrations less than 4 ppb but that are within 500 feet of a well with 6 ppb or higher perchlorate concentrations. These six wells shall be monitored according to the schedule attached to Order WQ 2005-0007. There is one well with a perchlorate concentration above 4 ppb and it shall also be monitored according to the schedule attached to Order WQ 2005-0007. These wells are identified below.
9. The remaining 71 wells are not required to be monitored according to the requirements attached to Order WQ 2005-0007. Olin Corporation is not proposing to monitor the 71 wells located farther than 500 feet from a well with 6 ppb or greater perchlorate concentration.

THEREFORE BE IT RESOLVED:

1. Olin Corporation may cease supply of interim water supply to the users of the wells listed above. Olin Corporation's request conforms to the requirements contained in Order WQ 2005-0007 and CAO R3-2004-0101.
2. Olin Corporation shall monitor the six wells, listed below, that are within 500 feet of a well with 6 ppb perchlorate concentration, according to the monitoring schedule contained in Order WQ 2005-0007.

Well ID Number
09S03E35M011, 09S03E35M012, 09S03E35R020, 09S03E35R021, 10S03E12G008, 10S03E12G010

3. Olin Corporation shall monitor the well, listed below, that had a perchlorate concentration above 4 ppb, according to the monitoring schedule contained in Order WQ 2005-0007.

Well ID Number
09S03E35P014,

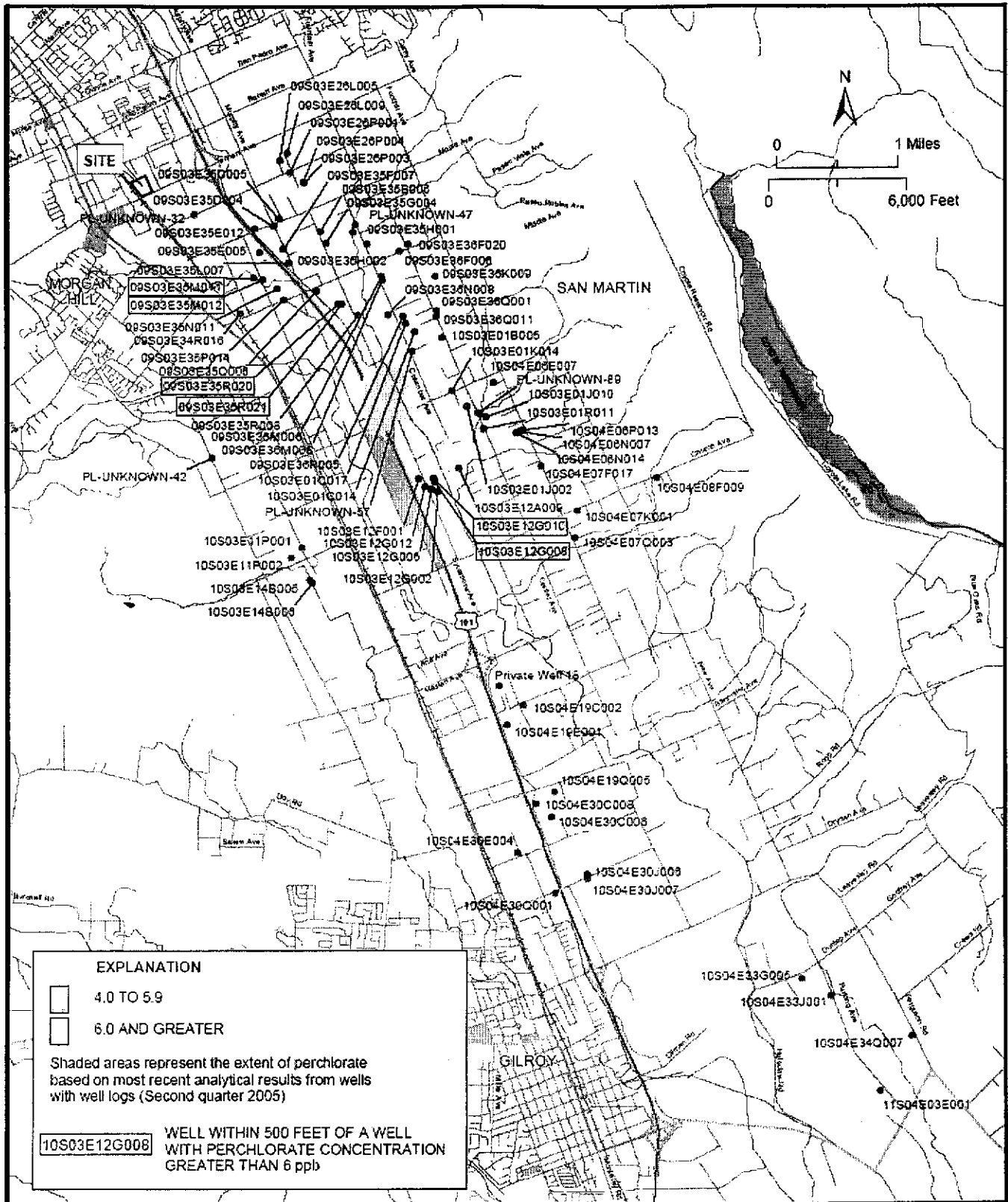
4. This action by the Central Coast Water Board does not preclude or limit the Executive Officer's authority to require Olin Corporation to perform additional monitoring of any well in connection with alternative water supply or groundwater investigation and cleanup activities.

Any person affected by this action of the Central Coast Water Board may petition the State Water Board to review the action in accordance with section 13320 of the California Water Code and Title 23, California Code of Regulations, Section 2050. The State Water Board must receive the petition within 30 days of the date of this Resolution. Copies of the law and regulations applicable to filing petitions will be provided upon request.

I, Roger W. Briggs, Executive Officer, do hereby certify the foregoing is a full, true, and correct copy of a Resolution adopted by the California Regional Water Quality Control Board, Central Coast Region, on February 10, 2006.

Roger W. Briggs
Executive Officer

Date



FIGURE



Wells with Perchlorate Concentrations Below 4 ppb for Four Consecutive Quarters
Olin/Standard Fusee Site
Morgan Hill, California

wells-k4.mxd - 9/12/05