STATE OF CALIFORNIA
STATE WATER RESOURCES CONTROL BOARD
DIVISION OF DRINKING WATER

Vandenberg Air Force Base
Water Department
1172 Iceland Avenue Building 11439
Vandenberg Air Force Base, CA 93437

Attention: **Mr. Mike Kalata**
Water Quality Program Manager

CITATION FOR NON-COMPLIANCE

WATER SYSTEM NO.: 4210700

CITATION NO.: 04_06_15C_025

System Number: 4210700

Section 116650 of Chapter 4, Part 12, Division 104 of the California Health and Safety Code (H&S Code), authorizes the issuance of a citation for failure to comply with a requirement of the California Safe Drinking Water Act, or any regulation, standard, permit or order issued thereunder.

Violation

The Division of Drinking Water of the State Water Resources Control Board (hereinafter Division) hereby issues to the Vandenberg Air Force Base (hereinafter Vandenberg) a citation for the following violation:

1. **Title 22, California Code of Regulations (CCR), Section 64533**: Specifically, during the 3rd Quarter (July-September) of 2015, the total trihalomethane (TTHM) concentration in the drinking water analyzed from the Building 980 sample site caused an exceedance of the Maximum Contaminant Level of 80 ppb based on

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the locational running annual average (LRAA) of samples for the last four quarters of sampling.

In accordance with Section 116650 (e) of the Health and Safety Code, the above violation is classified as a non-continuing violation.

Background

Vandenberg Air Force Base provides its customers with groundwater from local wells blended with purchased water from the Central California Water Authority (hereinafter CCWA). The distribution system is divided into two main areas: North and South Bases. The water system has nine pressure zones and five booster pump stations.

The four wells are aerated and disinfected prior to delivery to the main reservoir site. At the main distribution site, Vandenberg imports water from CCWA, chloraminates, and fluoridates. During CCWA shutdowns, Vandenberg switches disinfectants, from chloramines to free chlorine. The main reservoirs deliver water to the distribution system and a series of boosted potable, non-potable and deluge storage tanks.

The water system serves 6,763 customers through 1,161 connections. Potable water is delivered to residential connections, commercial connections and the Space Launching Complexes (SLC).

Vandenberg is required to sample four distribution system monitoring locations quarterly for TTHM and HAA5 analyses via dual sample sets, for compliance with the Stage-2 Disinfection Byproducts Rule (Stage-2 DBPR) pursuant to Section 64534.2(d), Title 22, CCR; in accordance with a Division approved Stage-2 DBPR monitoring plan. The Stage-2 TTHM concentrations (ppb) for the Building 980 Stage-2 site reported by Vandenberg are summarized below:

	4th Quarter 2014 TTHM (ppb)	1st Quarter 2015 TTHM (ppb)	2nd Quarter 2015 TTHM (ppb)	3rd Quarter 2015 TTHM (ppb)
Sample Date	12/10/14	3/12/15	6/10/15	9/9/2015
Building 980	**66**	**110**	**82**	**110**

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The four quarter running annual average TTHM concentration from the Building 980 site is 92 ppb, which exceeds the MCL of 80 ppb.

Directives

The Vandenberg Air Force Base shall take the following actions:

1. Vandenberg shall notify the public of the TTHM MCL violation by December 4th, 2015. The format of the notice must be approved by the Division. The notification must contain the Tier 2 required health effects languages and a description of the incident. Vandenberg shall submit certification of public notice issuance to the Division within 30 days of its completion.

2. Within 60 days submit a TTHM compliance plan and implementation schedule for complying with the TTHM MCL. An updated compliance plan shall continue to the be submitted to the Division at least every 90 days thereafter, based on new and planned changes to treatment, sources of supply, and/or distribution system and reservoir operations until the Division determines it to no longer be necessary.

3. A copy of the completed Tier 2 Notice and the Proof of Notification form shall be submitted to:

   Jeff Densmore, P.E., District Engineer
   Santa Barbara District
   1180 Eugenia Place, Suite 200
   Carpinteria, CA 93013-2000

Civil Penalties

Sections 116650 (d) and (e) of the H&S Code allow for the assessment of a civil penalty for failure to comply with the requirements of Chapter 4. Failure to comply with any provision of this citation will result in the Division imposing an administrative penalty not to exceed $1,000 (one thousand dollars) per day as of the date of violation of any provision of this citation.

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Nov. 6, 2015
Date

Jeff Densmore, P.E., District Engineer
Santa Barbara District
SWRCB-DDW

cc: Santa Barbara County Environmental Health

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