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COUNSEL

June 20, 2007

Ms. Nancy Martella
Monterey County Health Department
1270 Natividad Road
Salinas, CA 93906-3198

Attn: Ms. Sandy Ayala

RE: Consumer Confidence Report for Calendar Year 2006; Domestic Water Supply System Serving the Monterey Peninsula (Marina) Landfill and Recycling Facilities; Water System I.D. #270-2453

Dear Ms. Martella:

Enclosed is the Calendar Year 2006 Consumer Confidence Report, including the required Certification Form, for the District's domestic water supply system. On June 20, 2007, we posted the CCR in the following locations which are conspicuous to the users of this water system: Administration Building, Materials Recovery Facility, Last Chance Mercantile, Scale house, and Maintenance Shop. In accordance with the District's *Water System User Notification Plan*, should water quality testing results or physical inspections indicate an imminent danger to human health, an emergency announcement will be made over the District's two-way radio and paging systems, and signs will be placed (in English and Spanish) at water supply outlets warning of water system shutdown.

The District's Domestic Water Supply System Monitoring Program is performed in compliance with Water Supply Permit No. 270-2453, issued by the Monterey County Health Department. The approved Bacteriological Sample Siting Plan/Water Quality Monitoring Program for the District's domestic water system is presented in the attached Figure 1.

The Water Quality Monitoring Program consists of the following:

1. **Bacteriological Quality**

Routine monthly coliform bacteria samples are collected and the results are submitted directly to your office by the certified lab operated by the Monterey Regional Water Pollution Control Agency. There are a total of seven (7) routine sample sites located at various pressure zones throughout the water distribution system. For the collection of monthly coliform bacteria samples, the sample sites are continuously rotated on a monthly basis from Routine Sample Site No. SS-1 through SS-7. If a sample is positive for E. coli or Total Coliform, the water system components are checked immediately for indications of unusual conditions or problems, appropriate corrective action is taken, and 4 follow-up samples are taken until the results are negative.

The enclosed Table 1 presents a summary of the 2006 bacteriological data for the water supply distribution system. As can be seen, all samples during 2006 indicated the absence of both E. coli and Total Coliform.

2. **Nitrate**

The Maximum Contaminant Level (MCL) for nitrate (as NO₃) is 45 mg/L (ppm). In the event that nitrate exceeds 45 ppm, the Monterey County Health Department is notified and a confirmation sample is taken within 24 hours of notification. If the confirmation sample exceeds 45 ppm, an application for an Amended Water System Permit will be submitted, with a waiver to use bottled water as an interim measure.

The Water Quality Monitoring Program requires that the level of nitrate (as NO₃) be determined annually. However, if the nitrate concentration is greater than 50% of the MCL, or 22.5 ppm, then the monitoring frequency shall be increased to quarterly for at least one year. As indicated on the enclosed table (Water Quality Historical Summary for Nitrate), the nitrate level has routinely exceeded 50% of the MCL. Therefore, the sampling frequency for nitrate is quarterly. The historical data shows that only one sample exceeded the MCL of 45 ppm for nitrate, and that occurred on March 11, 2003. Since then, none of the 30 samples have exceeded the MCL of 45 ppm for nitrate.

3. **Primary Inorganic and Secondary Compounds - General Mineral, General Physical, and Inorganic Chemical Constituents**

The Water Quality Monitoring Program requires a Title 22 Analysis for general mineral, general physical, and inorganic chemical constituents once every three (3) years.

On March 29, 2006, and July 25, 2006, a water sample from Routine Sample Site No. SS-1, which is at the pressure tanks located outside the Administration Building, was analyzed for alkalinity, color, specific conductance, hardness, MBAS (surfactants/foaming agents), pH, total dissolved solids (TDS), turbidity, calcium, chloride, fluoride, iron, potassium, magnesium, manganese, total metals, cyanide, and odor. A copy of the certified analytical reports is enclosed. The next sampling for these constituents is scheduled for March 2009.

4. **Volatile Organic Compounds (VOCs) and Synthetic Organic Compounds (SOCs)**

The Water Quality Monitoring Program requires that volatile organic compounds (VOCs) and synthetic organic chemicals (SOCs) be tested for once every three (3) years.

March 29, April 10, and April 18, 2006, water samples were taken from Routine Sample Site No. SS-1. This sample site was selected because it is the point that is closest to the water supply well at the entry point prior to the water distribution system. The samples were analyzed for VOCs and SOC. A copy of the certified analytical reports is enclosed. No VOCs or SOC were detected at or above the method reporting/detection limit for each analyte. The next sampling for VOCs and SOC is scheduled for March 2009.

5. **Lead and Copper**

Primary (mandatory health-related) standards, or Maximum Contaminant Levels (MCLs), have been established by the California Department of Health Services for lead and copper. The MCL (action level at the 90th percentile level) is 0.015 mg/L for lead and 1.3 mg/L for copper.

California's Lead and Copper Rule requires that one (1) sample be collected every three (3) years, during the summer period of June to September. The sample set is collected, as a first draw in the morning, from interior sink faucets at 5 locations. The last sampling for lead and copper was on June 7, 2004. The enclosed table "Lead and Copper Monitoring Data - Historical Summary" provides the documentation that the 90th percentile lead and copper levels in the District's water supply are below the Action Levels for drinking water. In accordance with the California Lead and Copper Rule, the next sampling for lead and copper is scheduled for the summer of 2007.

6. **Asbestos**

In March 1997, a water sample was taken from the well head (SS-1) and analyzed for asbestos. Asbestos sampling is required every 9 years. Therefore, the next sampling for asbestos was scheduled for March 2006. On March 29, 2006, a water sample was taken from SS-1 and analyzed for asbestos. A copy of the certified analytical report is enclosed. The next sampling of the well head for asbestos is scheduled for March 2015.

7. **Radiological Quality**

Nontransient-noncommunity water systems are exempt from radioactivity monitoring.

8. **Inspection and Maintenance of Well Site**

The 2-foot deep vault well site is inspected, cleaned, and sealed bi-annually. The vault is cleaned to prevent potential contamination to the water supply well. The vault manhole cover is sealed to prevent infiltration of rainwater, oil and dirt into the well vault.

Please call me if you have any questions regarding the information contained in this report.

Sincerely,



Richard D. Shedden, P.E.
Senior Engineer

Enclosures