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Baca Grande Water & Sanitation District
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CO2425001

March 28, 2008

John Payne, Drinking Water Program
Colorado Department of Public Health and Environment (CDPHE)
WQCD-ES
4300 Cherry Creek Drive South
Denver, CO 80246-1530

Subject: Baca Grande Water and Sanitation District
PWSID # CO 0155200

Dear Mr. Payne,

The Baca Grande Water and Sanitation District intends to begin the injection of SeaQuest into our water supply once we have received your authorization. The following information provides detail regarding our proposed approach, based on our discussions with you and with AquaSmart:

1. The SeaQuest will be injected utilizing a LMI Chemical Metering Pump.

2. The SeaQuest will be injected directly into our water supply pipe immediately after pumping from our source well, Well Number 18. It will be injected prior to chlorination. At this time, Well 18 provides the only source of water into our distribution system.

3. The SeaQuest will be diluted by mixing with water and stored in a NSF approved (drinking water safe) 55-gallon container.

4. This configuration may change once plans are approved for a storage reservoir and pump house at Well 18.

5. Based on advice from AquaSmart, the providers of SeaQuest, our dosing rate will be set at 0.6 mg/L which would translate to 0.15 mg/L orthophosphate (PO_4).

6. We will monitor for orthophosphate, pH, and alkalinity using field meters biweekly once injection starts and once as a baseline prior to injection. Sample points will be just prior to the injection point and approximately 50 feet downstream of the injection point.

7. Orthophosphate, pH, and alkalinity will also be monitored at pump houses near storage reservoirs throughout the system on a monthly basis. We will sample near the South Crestone Tank, Ridgeview Reservoir, and the Cottonwood Tank.

8. Field data collected as identified in number 6 and 7 will be recorded on a spreadsheet and provided to CDPHE electronically by email on a quarterly basis.

9. After SeaQuest injection starts we will initiate quarterly monitoring for copper at three residences. These residences were selected based on previous copper monitoring results and availability to access and sample at the residence. The three residences are shown on the attached table with analytical data from previous sampling events.

10. The quarterly monitoring at residences will continue for a period of one year, or four quarterly events. After the fourth quarterly sampling event the results will be provided to CDPHE to determine if quarterly monitoring can be discontinued.

Based on your verbal authorization, we plan to proceed with the injection of SeaQuest in April 2008, at the beginning of the 2nd Quarter 2008. Thanks you for your assistance.

Sincerely,

Steve McDowell

Steve McDowell, District Manager
Baca Grande Water & Sanitation District

Attachment: Analytical Summary

Baca Grande Water and Sanitation District
PWSID # CO 0155200
Residential Quarterly Sampling Sites

	Copper Data in mg/L (Action Level 1.3 mg/L)								
Sample Date:	**Sept 96**	**Sept 99**	**July 07**	**Oct 07**	**Nov 07**	**July 08**	**Oct 08**	**Jan 08**	**April 08**
Lot Number									
153					2.00				
719			2.00		1.70				
4434				2.50					

Seaquest Injection to start in April 2008