ANALYSIS FOR WATERBORNE PARTICULATES

Invoice 20140195

CH Diagnostic and Consulting Service, Inc.
512 5th Street, Berthoud, CO 80513
P: (970) 532-2078 F: (970) 532-3358

Customer 20001144
AAA Operations, Inc.
48 Millcreek Rd
P.O. Box 134
Dumont, CO 80436
PWSID# CO 0159119

Laboratory Information
UPS; 5/30/2014; 1010 Hrs; 11.4°C; Wound
Results submitted by:

Sample Identification: Alpensee Water Plant, Well #2 MPA

Sample Information: SOURCE: Drilled Well; 1/4->1/3 mile from surface water; 50' deep; Unchlorinated; pH 7.12 —» pH 7.52; 6.2°C —» 10.9°C; 0.22 NTU, TREATMENT: Disinfection Only, DISINFECTION: Post-chlorination

Sample Date & Time: 5/29/2014 06:30 AM —» 5/29/2014 02:30 PM **Sampler:** Shay Sims

Amount: 2043.9 L (540 gal) **Filter Color:** Tan **Filter Type:** Polypropylene wound cartridge

Date/Time Eluted: 5/30/2014 03:38 PM **Centrifugate:** 0.0147 mL/100 L

RESULTS OF MICROSCOPIC PARTICULATE ANALYSIS

Amount of sample assayed: 400 L

Amorphous Debris	inorganic precipitate, clay (1-2 µm), silt (2-50 µm), aggregates
Algae	ND
Diatoms	ND
Plant debris	ND
Rotifers	ND
Nematodes	3/100 Gal
Pollen (pine)	2/100 Gal
Ameba	ND
Ciliates	ND
Colorless Flagellates	ND
Crustaceans	ND
Other Arthropods	ND
Other	ND

Giardia and Coccidia are none detected (ND) by MPA unless reported under "Other".

This sample was analyzed for particulates following the Environmental Protection Agency Consensus Method for Determining Groundwaters Under the Direct Influence of Surface Water Using Microscopic Particulate Analysis (MPA). 1992. USEPA, Port Orchard, WA, EPA 910/9-92-029. All limitations stated in the methods apply. If HV capsule or foam filter was received, method was modified by filtering sample through a Pall Envirochek™ HV capsule or IDEXX Filta-Max™ filter at the sample site. If *Giardia* and *Cryptosporidium* Analysis was also performed, particulate extraction was modified.

COMMENTS: Score: 0-Low Risk per EPA Consensus Method referenced above.

LABORATORY ANALYTICAL REPORT

Customer 20001144
AAA Operations, Inc.
48 Mill Creek Rd., PO Box 134
Dumont, CO 80436
PWSID #: CO 0159119

Invoice Number: 20140195
Received Date & Time: 5/30/2014 10:10AM
Arrival Temperature: 11.6°C

Sample Identification: Alpensee Water Plant, Well #2
Sample Information: Source: Drilled Well; 1/4->1/3 miles from surface water; 50' deep; Unchlorinated; DISINFECTION: Post-chlorination
Sample Date & Time: 5/29/2014 2:30PM **Sampler:** Shay Sims
Volume Sampled: 100 mL **Sample Type:** Grab
Processing Date & Time: 5/30/2014 11:20AM

Analytical Method: Evaluating plant performance with endospores. J. AWWA 88(9)

Start Date & Time: 6/3/2014 9:39AM **Amount Analyzed:** 100 mL
Stop Date & Time: 6/4/2014 9:39AM

Dilution factor: N/A

Analytical Results:

Endospores: <1 CFU/100 mL **Reporting Limit:** 1.0

This sample was analyzed for the presence of Aerobic Endospores by the method outlined in the following article: Rice, Egene W., Kim R. Fox, Richard J. Miltner, Darren A. Lytle and Clifford H. Johnson. 1996. Evaluating plant performance with edospores. J. AWWA 88(9): 122-130.

Report Approved By

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LABORATORY ANALYTICAL REPORT

Customer 20001144
AAA Operations, Inc.
48 Mill Creek Rd., PO Box 134
Dumont, CO 80436
PWSID #: CO 0159119

Invoice Number: 20140195
Received Date & Time: 5/30/2014 10:10AM
Arrival Temperature: 8.0°C

Sample Identification: Alpensee Water Plant, Dillon Reservoir
Sample Information:
Sample Date & Time: 5/29/2014 2:30PM **Sampler:** Shay Sims
Volume Sampled: 100 mL **Sample Type:** Grab
Processing Date & Time: 5/30/2014 11:20AM

Analytical Method: Evaluating plant performance with endospores. J. AWWA 88(9)

Start Date & Time: 6/3/2014 9:39AM **Amount Analyzed:** 10 mL
Stop Date & Time: 6/4/2014 9:39AM

Dilution factor: N/A

Analytical Results:

Endospores: 320 CFU/100 mL **Reporting Limit:** 1.0

This sample was analyzed for the presence of Aerobic Endospores by the method outlined in the following article: Rice, Egene W., Kim R. Fox, Richard J. Miltner, Darren A. Lytle and Clifford H. Johnson. 1996. Evaluating plant performance with edospores. J. AWWA 88(9): 122-130.

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