

**METRIC**  
Corporation ENVIRONMENTAL ENGINEERING AND SCIENCE

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February 3, 2000

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GROUND WATER BUREAU

Mr. Kurt Vollbrecht  
Groundwater Bureau  
NMED  
P.O. Box 26110  
Santa Fe, NM 87502

2000  
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Re: DP-1184

Dear Mr. Vollbrecht:

As you are aware, the chromium concentrations in the Sparton off site containment system effluent have been hovering around the WQCC standard for the past several months.

Sparton proposes to add a chromium treatment process to the off site containment system. The proposed chromium treatment process would be operated until the average monthly chromium concentration in the influent falls below the WQCC standard of 0.05 mg/l.

Sparton initially proposes to use a selective ion exchange process to reduce the chromium concentration in the effluent. Between 5% and 20% of the total flow (presently 225 gpm) would be slipstreamed (split off) and passed through the ion exchanges resin canisters. The ion exchange resin process is expected to reduce the chromium concentration in the slipstream flow to <0.005 mg/l. The two flows will be recombined resulting in a reduced chromium concentration in the total flow. The portion of the flow to be treated will be varied to maintain the average monthly chromium concentration in the effluent below 0.05 mg/l.

If it becomes apparent that chromium concentrations in the off site containment system influent are going to exceed the WQCC standard for an extended time, Sparton may substitute some other more economical chromium treatment process for the currently proposed ion exchange process.

Mr. Kurt Vollbrecht  
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If you have any questions, please contact us.

Sincerely,

METRIC Corporation

A handwritten signature in black ink that reads "Gary Richardson". The signature is written in a cursive style with a large, prominent "G" and "R".

Gary L. Richardson, P.E.  
Executive Vice President

GLR/rkh

cc: Jan Appel