

Delivered-To: mike@theramp.net
 X-Modus-ReverseDNS: OK
 X-Modus-BlackList: 66.64.194.130=OK; Tony.Greene@greerpcw.com=OK
 X-Modus-RBL: 66.64.194.130=OK
 X-Modus-Trusted: 66.64.194.130=NO
 Subject: FW: Question
 Date: Wed, 3 May 2006 16:51:22 -0400
 From: "Tony Greene" <Tony.Greene@greerpcw.com>
 To: <mike@theramp.net>

From: Greg McGlohorn [mailto:gmcglohorn@BPBarber.com]
Sent: Saturday, April 01, 2006 2:38 PM
To: Tony Greene
Subject: RE: Question

Thanks Tony. I really appreciate the info.

Greg

From: Tony Greene [mailto:Tony.Greene@greerpcw.com]
Sent: Friday, March 31, 2006 2:07 PM
To: Greg McGlohorn
Subject: RE: Question

Greg we started Sea Quest January 1st. Chlorine residuals have averaged 2.35 throughout entire distribution. This took about three to four weeks. Caustic feed has been reduced 10%. Chlorine feed has been reduced considerable yet residuals have increased and stabilized. We had three automatic flushing devices where residuals were .5 to .8. These areas are now in the 2.35 range with no flushing. We tried Sea Quest for six months in 2003 and experienced the same results but because of cost we went to an inferior phosphate. Greer Commission of Public Works has under gone an 8.5 million dollar distribution upgrade. Some 40 coupons taken from mains showed no evidence of phosphate application. In 2003 we also reduced ammonia feed by 15% and residuals remained stable. The short time we used Sea Quest in 2003 we saved about \$12,000.00 in chemicals. I requested that Sea Quest bid 2006 with savings included in bid document. So far I have been very pleased and our residuals have never been better. As a side note, Sea Quest does not make this claim but our TTHM's first quarter were 0.012 and HAA's were 0.015 and you know from past experience how our first quarter results have been.

From: Greg McGlohorn [mailto:gmcglohorn@BPBarber.com]
Sent: Friday, March 31, 2006 11:35 AM
To: Tony Greene
Subject: Question

Tony,

Do you guys feed Seaquest? One of our clients was thinking about switching to that chemical for corrosion control. The sales rep. makes a lot of claims about how well it works, but we wanted to check with some operators that have actually been working with it for a while.

If you are using Seaquest, are you happy with it? Have you observed any major advantages or disadvantages? Has it affected your chlorine residuals or any other water quality data (changes that can be directly attributed to the chemical)?

If you don't use this product, then please disregard this email.

Thanks, Greg

Greg B. McGlohorn, P.E.
 Project Engineer
 B.P. Barber & Associates, Inc.

Printed for Michael <mike@theramp.net>

5/4/2006

Corrosion Control Project

INTRODUCTION

In an effort to limit the lead and copper contaminants found in the distributed water supply the [REDACTED] Water and Power Authority undertook the Corrosion Control Project. Assigned initially to the Environmental Affairs department this endeavor grew to encompass personnel from the Maintenance, Water Distribution and Engineering departments in both districts united in a joint effort to bring four automated chemical injection systems on-line.

The chemical in question is an orthophosphate based solution Sequest which has been certified by the National Sanitation Foundation and approved by the Department of Planning and Natural Resources as a corrosion treatment. Sequest produces a mono molecular coating on the interior of piping in order to diminish pitting and reduce bio-film formations while sequestering lead and copper contaminants for later flushing. Manufactured and distributed by Aqua Smart, Inc. of Atlanta Georgia the Sequest injection process has proven successful at several distribution systems throughout the world. England, Brazil, South Africa and New Mexico are all reported to have Sequest treatments in operation within their boundaries.

Design Methodology

The chemical injection system design was formulated solely by the Engineering and Environmental Affairs departments. Two systems were specified for [REDACTED] distribution system to meet the need of the two separate 16" and 24" systems (an upcoming project). Likewise two systems on [REDACTED] treated the desalinated and well water systems.