

Keith Swerdfeger

From: kalan1262@aol.com
Sent: Friday, September 02, 2011 11:26 AM
To: keith@krswerd.com
Cc: keith@krswerdfeger.com
Subject: Spread Eagle Water System Lab. test results
Attachments: AES.doc; GPA.DOC; Exhibit A.xls.xls; Kit Shy to YTG 8292011.TIF

Dear Keith:

Clyde and I went over the test results and we both feel that your water is safe to drink, as is. I recommend that you add disinfection and that is all. The hardness, pH, specific conductance and corrosivity are all related to the mineral content. This means that the water will shorten the life of copper plumbing. Given the fact that you do not utilize the cabin for full time occupancy, the life of the plumbing might be shortened from 70 years to 50.

If you did chose to want to treat this, one option would be a water softener. I know Culligan still sells these.

I am also attaching copies of the proposals which I sent earlier.

If you have any questions please contact me.

Sincerely,

Ken Young

Ken Young, P.E., Principal
Young Technology Group
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Pueblo, CO 81004
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Exhibit A - Consulting Engineering Costs

Scope of Work: Disinfect and place existing water storage tank in service

Construction Plans for installation of clearwell and booster pump

Alternate for addition of chlorine injection equipment

Prepared for: Spread Eagle Water User's Association

Prepared by: Young Technology Group

<u>Description</u>	<u>Time</u>	<u>Rate</u>	<u>Total</u>
Pump/Clearwell/Electrical Design	12.0	\$100.00	\$1,200.00
Tank Disinfection Procedure	4.0	\$100.00	\$400.00
Construction Plans	10.0	\$100.00	\$1,000.00
Plat Mapping	4.0	\$100.00	\$400.00
Engineer's Construction Cost Estimate	3.0	\$100.00	\$300.00
2 Site Visits	-	-	\$400.00
15% Contingency	-	-	\$495.00
Sub-Total Tanks and Booster Pump	-	-	\$4,195.00
Chlorine Injection Equipment Design	8.0	\$100.00	\$800.00
Chlorine Equipment Enclosure Design	8.0	\$100.00	\$800.00
Construction Plans	8.0	\$100.00	\$800.00
Engineer's Construction Cost Estimate	3.0	\$100.00	\$300.00
1 Site Visit	-	-	\$250.00
15% Contingency	-	-	\$405.00
Sub-Total Chlorine Injection	-	-	\$3,355.00
Grand Total	-	-	\$7,550.00

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FW: estimate for Ken

From: Kit Shy <shy-surveyors@centurytel.net>
To: kalan1262 <kalan1262@aol.com>
Date: Mon, Aug 29, 2011 9:59 am

-----Original Message-----

From: Kit Shy [mailto:shy-surveyors@centurytel.net]
Sent: Tuesday, August 16, 2011 7:25 AM
To: 'kalan1262@aol.com'
Subject: FW: estimate for Ken

August 15, 2011

Dear Ken, The following is my lump sum estimate of cost for the surveying services outlined below in relation to the Spread Eagle P.O.A. water system. \$2,950.00

SCOPE OF SERVICES: Prepare site plan of cistern site including: All above ground features tanks/valves, road elements and spring pipe. Contours at 2ft. intervals in open area around tanks. Property lines in cistern site area based on Abbas Survey of 08-08-2007. To be delivered in electronic format. AutoCad v.s.2000 i and field data in WGS84 projection.

Thank you for thinking of us for this project. We look forward to working with you on this. If any questions call or email. Sign and return for job scheduling.

Sincerely, Kit

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