

Childs, Guy@Waterboards

From: Glenn Olsen <glenno@fglinc.com>
Sent: Wednesday, August 26, 2015 8:35 AM
To: Childs, Guy@Waterboards
Cc: jimk@fglinc.com
Subject: FGL: RFQ Response
Attachments: Water Board (CV) RFQ 082515.pdf

Hello Guy,

Based upon your email invitation to quote (sent to Jim Kavanaugh in our Stockton lab) and our brief conversation yesterday, I have attached a quote for the constituents and services you outlined. These cost figures are derived from the following:

- The sampling and analysis will be done by FGL Environmental.
- The Professional Geologist quarterly and annual reporting will be done by KSN.

Please let me know if you have any questions regarding the quote. Also, feel free to reach out to FGL in Stockton if you wish to get this testing & reporting work scheduled. We want to assist you in this compliance quest.

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Regards,
Glenn



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MRP Requirements	Price	Unit	Number of Units	Estimated Costs
Weekly Influent				
Flow	NA	Daily		NA
pH	10	weekly	52	520
Influent - Monthly				
BOD	29	monthly	12	348
Effluent - Monthly				
BOD	29	monthly	12	348
TDS	18	monthly	12	216
Nitrate	15	monthly	12	180
Ammonia	15	monthly	12	180
Pond Weekly				
Freeboard	10	weekly	52	520
Dissolved Oxygen	15	weekly	52	780
pH	10	weekly	52	520
Sampling Cost (grab samples)	25	weekly	52	1300
Pond Quarterly				
Phenol	45	quarterly	4	180
Formaldehyde	179	quarterly	4	716
Zinc	20	quarterly	4	80
Groundwater Monitoring (Two Wells- Quarterly)				
EC	10	quarterly	4	40
pH	10	quarterly	4	40
TDS	18	quarterly	4	72
Ammonia	20	quarterly	4	80
Total Coliform	29	quarterly	4	116
* Sampling Cost (w/ Field Logs)	90	quarterly	4	360
Reporting Costs				
** Monthly	No Chg	monthly	12	No Chg
Quarterly (prepared by registered engineer or professional geologist)	2000	quarterly	4	8000
Annual	2000	annually	1	2000
Total Estimated Costs				\$16,596

Notes: Annual monitoring report to be submitted as the fourth quarter monitoring report. To be prepared by a California Registered Civil Engineer or Professional Geologist

* Groundwater Monitoring Sampling Fee Includes Field Logs (calibration, EC, pH, depth to water and temperature)

** Standard Monthly Reports (.pdf format) from the Lab are No Additional Cost.

Cruiser Haven, Inc., Delta Waterways, LLC
Holland Riverside Marina, Contra Costa County

Monthly Monitoring and Reporting Cost Estimate				
MRP 5-01-093 Requirements	Price	Unit	Number of Units	Estimated Costs
Weekly Influent				
Flow	Client to Perform	Daily	30	
pH	\$10	weekly	4	\$ 40
Influent -Monthly				
BOD	\$29	monthly	1	\$ 29
Effluent - Monthly				
BOD	\$29	monthly	1	\$ 29
TDS	\$18	monthly	1	\$ 18
Nitrate	\$15	monthly	1	\$ 15
Ammonia	\$15	monthly	1	\$ 15
Pond Weekly				
Freeboard	\$10	weekly	4	\$ 40
Dissolved Oxygen	\$15	weekly	4	\$ 60
pH	\$10	weekly	4	\$ 40
Sampling Cost	\$25	weekly	4	\$ 100
Pond Quarterly				
Phenol	\$45	quarterly	0.25	\$ 11
Formaldehyde	\$179	quarterly	0.25	\$ 45
Zinc	\$20	quarterly	0.25	\$ 5
Reporting Cost - Monthly				
Monthly	\$100	monthly	1	\$ 100
Total Monthly Cost (Sampling, Laboratoy, and Reporting)				\$547

Quarterly Groundwater Monitoring and Reporting Cost Estimate				
MRP Requirements	Price	Unit	Number of Units	Estimated Costs
Sampling Cost	90	quarterly	1	\$ 90
Analytical Cost				
EC	\$10	quarterly	1	\$ 10
pH	\$10	quarterly	1	\$ 10
TDS	\$18	quarterly	1	\$ 18
Ammonia	\$20	quarterly	1	\$ 20
Total Coliform	\$29	quarterly	1	\$ 29
Reporting Cost	\$2,000	quarterly	1	\$ 2,000
Total Quarterly Cost (includes sampling, analytical, and reporting)				\$2,177

Annual Reporting Cost	\$2,000	annually	1	\$ 2,000
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Notes: Estimated costs in the spreadsheet from a 26 August 2015 cost estimate from FGL Environmental Agricultural. (Monthly monitoring report cost not provided by FGL. However, a cost estimate reviewed from Cranmer Engineering, Inc. indicates that monthly monitoring reports are \$100 per month.