

Lab Services

Bid # 14-43

1:30 P.M.

① ESI

② Eastern America

③ Absolute Reservo

Don Gray
Deputy Mayor
6-19-75

BID FORM / CONTRACT**3 of 3 pages to be included with Quotation Summary and Tables 1-6**

OFFER: The undersigned hereby offers to perform services for the City of Rochester, NH as specified at the prices quoted in attached tables, 1 through 6 and as complete in accordance with the provisions set forth in this bid document and the preceding Attachment A

Return one copy of the bidder qualification requirements materials together with two sealed copies of this 3 page BID FORM / CONTRACT with Quotation Summary and TABLES 1 THROUGH 6 attached. They must be in a sealed envelope addressed as specified in the invitation to bid.

Business Name: ENVIROSYSTEMS, INC. Representative: PETRA KARBE
(printed name)

Authorized Signature: Petra Karbe Date: 5/23/2014

Address: 1 LAFAYETTE ROAD, PO BOX 778, HAMPTON, NH 03843-0778

Telephone # 603-926-3345 Fax# 603-926-3521

ACCEPTED: CITY OF ROCHESTER, NEW HAMPSHIRE

Dan Fitzpatrick, City Manager

Date

Description	Events/yr	FY 2014/2015	FY 2015/2016	FY 2016/2017	Total Cost: Sum of 3 yrs
		Cost/event	Cost/event	Cost/event	
Table 1: WWTF Lagoon Semi-Annual-April & Nov Per Well/Analytical Cost 2 Per Well/Sampling Cost 2	2/Analytical	\$ 3160. ⁰⁰	\$ 3160. ⁰⁰	\$ 3200. ⁰⁰	\$ 9,520. ⁰⁰
	2/Sampling	\$ 850. ⁰⁰	\$ 892. ⁰⁰	\$ 872. ⁵⁰	\$ 2,635. ⁰⁰
Table 2: NPDES Treatment Plant Inf/Eff Quarterly-Jan, April, July, Oct Quarterly/Analytical Cost 4 Quarterly/Sampling Cost 4	8/Analytical	\$ 7193. ³⁶	\$ 7193. ³⁶	\$ 7302. ⁰⁰	\$ 21,688. ⁷²
	8/Sampling	\$ 1000. ⁰⁰	\$ 1050. ⁰⁰	\$ 1050. ⁰⁰	\$ 3,100. ⁰⁰
Table 3: Total Ammonia as NH3 - NPDES Three (3) times per week Per Sample/Analytical Cost 156	156/Analytical	\$ 3,614. ⁰⁰	\$ 3,614. ⁰⁰	\$ 3,668. ⁶⁰	\$ 10,896. ⁶⁰
	NA/Sampling	\$ N/C	\$ N/C	\$ N/C	\$ N/C
Table 4A: Lydall-Rochester Quarterly-Jan, Apr, July, Oct Quarterly/Analytical Cost 4 Quarterly/Sampling Cost 4	4/Analytical	\$ 2,412. ⁰⁰	\$ 2,412. ⁰⁰	\$ 2,445. ⁶⁰	\$ 7,269. ⁶⁰
	4/Sampling	\$ 1100. ⁰⁰	\$ 1,155. ⁰⁰	\$ 1,155. ⁰⁰	\$ 3,410. ⁰⁰
Table 4B: Thompson Investment Casting Quarterly-Jan, Apr, July, Oct Quarterly/Analytical Cost 4 Quarterly/Sampling Cost 4	4/Analytical	\$ 1,380. ⁰⁰	\$ 1,380. ⁰⁰	\$ 1,402. ⁰⁰	\$ 4,162. ⁰⁰
	4/Sampling	\$ 400. ⁰⁰	\$ 420. ⁰⁰	\$ 420. ⁰⁰	\$ 1,240. ⁰⁰
Table 4C: Turnkey Quarterly-Jan, Apr, July, Oct Quarterly/Analytical Cost 4 Quarterly/Sampling Cost 4	4/Analytical	\$ 1,616. ⁰⁰	\$ 1,616. ⁰⁰	\$ 1,641. ⁰⁰	\$ 4,873. ⁰⁰
	4/Sampling	\$ 1100. ⁰⁰	\$ 1,155. ⁰⁰	\$ 1,155. ⁰⁰	\$ 3,410. ⁰⁰
Table 4D: Bacon Felt Company Quarterly-Jan, Apr, July, Oct Quarterly/Analytical Cost 4 Quarterly/Sampling Cost 4	4/Analytical	\$ 452. ⁰⁰	\$ 452. ⁰⁰	\$ 456. ⁰⁰	\$ 1,360. ⁰⁰
	4/Sampling	\$ 400. ⁰⁰	\$ 420. ⁰⁰	\$ 420. ⁰⁰	\$ 1,240. ⁰⁰

Lab Services
QUOTATION SUMMARY

Description	Events/yr	FY 2014/2015	FY 2015/2016	FY 2016/2017	Total Cost Sum of 3 yrs
		Cost	Cost	Cost	
Table 4E: Frisbie Memorial Hospital					
Semi-Annual-April & Nov	4/Analytical	\$ 292. ⁰⁰	\$ 292. ⁰⁰	\$ 296. ⁰⁰	\$ 880. ⁰⁰
Per Well/Analytical Cost 4					
Per Well/Sampling cost 4	4/Sampling	\$ 400. ⁰⁰	\$ 420. ⁰⁰	\$ 420. ⁰⁰	\$ 1,240. ⁰⁰
Table 4F: Albany Engineered Composites – Building 1					
Quarterly-Jan, April, July, Oct	8/Analytical	\$ 1,452. ⁰⁰	\$ 1,452. ⁰⁰	\$ 1,475. ⁰⁰	\$ 4,379. ⁰⁰
Quarterly/Analytical Cost 4					
Quarterly/Sampling Cost 4	8/Sampling	\$ 600. ⁰⁰	\$ 630. ⁰⁰	\$ 630. ⁰⁰	\$ 1,860. ⁰⁰
Table 4G: Albany Engineered Composites – Plant 1					
Quarterly-Jan, April, July, Oct	8/Analytical	\$ 1,452. ⁰⁰	\$ 1,452. ⁰⁰	\$ 1,475. ⁰⁰	\$ 4,379. ⁰⁰
Quarterly/Analytical Cost 4					
Quarterly/Sampling Cost 4	8/Sampling	\$ 600. ⁰⁰	\$ 630. ⁰⁰	\$ 630. ⁰⁰	\$ 1,860. ⁰⁰
Table 5: TCLP-Influent & Vortex Grit					
Quarterly-Jan, Apr, July, Oct	1/Analytical	\$ 1,134. ⁰⁰	\$ 1,134. ⁰⁰	\$ 1,150. ⁷⁵	\$ 3,418. ⁷⁵
Quarterly/Analytical Cost 1					
Quarterly/Sampling Cost 1	1/Sampling	\$ 125. ⁰⁰	\$ 131. ²⁵	\$ 131. ²⁵	\$ 387. ⁵⁰
Table 6: Sludge As Required					
Per/Event/Analytical Cost (as required)	1/Analytical	\$ 1,319. ⁰⁰	\$ 1,319. ⁰⁰	\$ 1,339. ⁰⁰	\$ 3,977. ⁰⁰
Per Event/Sampling Cost (as required)	1/Sampling	\$ 125. ⁰⁰	\$ 131. ²⁵	\$ 131. ²⁵	\$ 387. ⁵⁰

Table 1WWTP LAGOON GROUNDWATER SAMPLING/ANALYSIS

The following sampling and analytical services are required. A quotation must be provided for each analysis listed. Price shall be quoted for sample collection, filed measurement and analysis of the City of Rochester Wastewater Treatment Facility's four (4) Groundwater Monitoring wells on a semi-annual basis, during the first week of April and November. If a subcontractor will be used for these analyses, this must be indicated with the final cost quoted.

Project: Lagoon Groundwater Monitoring Wells, Permit # GWP-198495011-R-005

Sampling/Analysis Costs Fiscal Year July 1-June 30

TABLE 1

FY 2014/2015 FY 2015/2016 FY 2016/2017

Parameter	Detection	Units	Method/Reference	Analytical Price/Well	Analytical Price/Well	Analytical Price/Well
pH (field)	0.05	su	150.1 EPA 600/4/79/020	\$ N/C	\$ N/C	\$ N/C
Cadmium, Dissolved	0.001	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Chromium, Dissolved	0.001	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Lead, Dissolved	0.003	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Silver, Dissolved	0.001	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Total Kjeldhal Nitrogen	0.1	mg/L as N	SM 4500-Norg C	\$ 42.00	\$ 42.00	\$ 43.00
Chloride	5	mg/L	300 EPA	\$ 17.00	\$ 17.00	\$ 17.25
Nitrate	0.05	mg/L as N	SM 4500-NO3 F	\$ 17.00	\$ 17.00	\$ 17.25
Conductance @ 25 C	0.1	umhos/cm	120.1 EPA 600/4/79/020	\$ N/C	\$ N/C	\$ N/C
Temperature (field)	1	C	SM 20 th Ed. 2550 B	\$ N/C	\$ N/C	\$ N/C
Arsenic, Dissolved	0.003	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Antimony, Dissolved	0.003	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Barium, Dissolved	0.0005	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Beryllium, Dissolved	0.0005	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Mercury, Dissolved	0.01	ug/l	245.7 EPA	\$ 22.00	\$ 22.00	\$ 22.50

Table 1 (continued)

FY 2014/2015 FY 2015/2016 FY 2016/2017

Parameter	Detection	Units	Method/Reference	Analytical Price/Well	Analytical Price/Well	Analytical Price/Well
Nickel, Dissolved	0.001	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Thallium, Dissolved	0.008	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Selenium, Dissolved	0.005	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Nitrite	0.05	mg/L as N	SM 4500-NO3 F	\$ 17.00	\$ 17.00	\$ 17.25
VOC's Petroleum & Hazardous Waste Remediation Full List of Analytes	2	ug/L	EPA SW 846, 3 rd Edition Method 8260	\$ 110.00	\$ 110.00	\$ 112.00
Biochemical Oxygen Demand (BOD5)	5	mg/L	SM 5210 B	\$ 42.00	\$ 42.00	\$ 43.00
E.coli Bacteria		CFU/100mL	1603 EPA, SM9213 D	\$ 40.00	\$ 40.00	\$ 40.00
Static Water Level Elevation (ft)				\$ N/C	\$ N/C	\$ N/C
Sampling Services/Per Well				\$ 106.25	\$ 111.50	\$ 111.50
Total per Well Cost Sampling/Analytical Cost:				\$ 501.25	\$ 506.50	\$ 512.31

Authorized Signature

Petra Karbe5/23/2014

Date

Table 2QUARTERLY & WEEKLY SAMPLING

The following sampling and analytical services are required. A quotation must be provided for each analysis listed. Price shall be quoted for sample collection & field measurement & analysis of the City of Rochester Wastewater Treatment Facility's influent and effluent, and seven (7) industrial outfalls on a quarterly basis, and weekly effluent ammonia.

In the event that an industry violates its permit limit, a resample/retest must be performed within thirty (30) days for those parameters only. If a subcontractor will be used for these analyses, it must be indicated for each analyte with the final cost quoted.

Project: Quarterly Influent & Effluent-Sampling/Analytical Costs**Grab Samples****Fiscal Year July 1-June 30****FY 2014/2015 FY 2015/2016 FY 2016/2017**

Parameter	Detection	Units	Method/Reference	Analytical Price/Event	Analytical Price/Event	Analytical Price/Event
Oil and Grease, Total Recoverable	5	mg/L	EPA Method 1664	\$ 73.00	\$ 73.00	\$ 74.00
Cyanide, Total	0.005	mg/L	SM4500-CN C	\$ 37.00	\$ 37.00	\$ 38.00
Hexavalent Chromium	0.005	mg/L	SM 3500-Cr D	\$ 27.00	\$ 27.00	\$ 27.50
Total Suspended Solids	5	mg/L	SM 2540D	\$ 17.00	\$ 17.00	\$ 17.25
pH (field)	0.05	su	150.1 EPA 600/4/79/020	\$ N/c	\$ N/c	\$ N/c
Chloride	5	mg/L	300 EPA	\$ 17.00	\$ 17.00	\$ 17.25
Total Phosphorus	0.005	mg/L	SM 4500-P E	\$ 27.00	\$ 27.00	\$ 27.50
Cadmium, Total	0.001	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Copper, Total	0.002	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Lead, Total	0.002	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Silver, Total	0.002	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Zinc, Total	0.002	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Biochemical Oxygen Demand	5	mg/L	SM 5210 B	\$ 42.00	\$ 42.00	\$ 43.00
Carbonaceous Biochemical Oxygen Demand	5	mg/L	SM 5210 B	\$ 42.00	\$ 42.00	\$ 43.00
Total Kjeldahl Nitrogen	0.1	mg/L as N	SM 4500-Norg C	\$ 42.00	\$ 42.00	\$ 43.00
Temperature (field)	1	C	SM 20 th Ed. 2550 B	\$ N/c	\$ N/c	\$ N/c
Sulfate	0.01	mg/L	EPA 300	\$ 17.00	\$ 17.00	\$ 17.25
Sulfide	0.04	mg/L	SM 4500 S 2 D	\$ 17.00	\$ 17.00	\$ 17.25

Table 2 (continued)

FY 2014/2015 FY 2015/2016 FY 2016/2017

Parameter	Detection	Units	Method/Reference	Analytical Price/Event	Analytical Price/Event	Analytical Price/Event
Total Phenol	0.05	mg/L	420.1 EPA	\$ 42.00	\$ 42.00	\$ 43.00
Ammonia-N	0.1	mg/L as N	SM 4500-NH3 G	\$ 23.17	\$ 23.17	\$ 23.50
Mercury, Total	0.01	ug/L	245.7 EPA	\$ 27.00	\$ 27.00	\$ 27.50
Arsenic, Total	0.005	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Beryllium, Total	0.001	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Boron, Total	0.03	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Calcium, Total	0.03	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Chromium, Total	0.002	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Aluminum, Total	0.05	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Iron, Total	0.005	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Manganese, Total	0.005	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Nickel, Total	0.003	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Selenium, Total	0.005	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Sodium, Total	1	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Copper, Dissolved	0.002	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Lead, Dissolved	0.005	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Zinc, Dissolved	0.002	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Nitrate	1	mg/L as N	SM 4500-NO3 F	\$ 17.00	\$ 17.00	\$ 17.25
Nitrite	0.05	mg/L as N	SM 4500-NO3 F	\$ 17.00	\$ 17.00	\$ 17.25
Nitrate plus nitrite-N	0.05	mg/L as N	SM 4500-NO3 F	\$ 34.00	\$ 34.00	\$ 34.50
Total Nitrogen (calculation)				N/C	N/C	N/C
Orthophosphate Phosphorus	0.005	mg/L	SM 4500-PE	\$ 27.00	\$ 27.00	\$ 27.50
Dissolved Inorganic Nitrogen (calc)				\$ N/C	\$ N/C	\$ N/C
Organic Nitrogen (calc)				\$ N/C	\$ N/C	\$ N/C
Chlorophyll a	0.1	ug/L		\$ 75.00	\$ 75.00	\$ 76.00
Volatile Organics	5	ug/L	EPA Method 624	\$ 110.00	\$ 110.00	\$ 112.00
Element Sample Preparation				\$ 17.00	\$ 17.00	\$ 17.25
Sampling Services Quarterly Cost				135.00	131.25	131.25
Total Quarterly Sampling/Analytical Cost:			INF & EFF	\$ 2078.34	\$ 2060.84	\$ 2088.00

Authorized Signature

Peter Korte5/23/2014

Date

Table 3

Project: Weekly Ammonia (3 samples per week)

Analytical Costs: Fiscal Year July 1-June 30

FY 2014/2015 FY 2015/2016 FY 2016/2017

Parameter	Samples per week	Detection Limit	Units	Method/Reference	Analytical Price/week	Analytical Price/week	Analytical Price/week
Ammonia-N-distilled	3	0.1	mg/L	SM 4500-NH3 G	\$ 69.50	\$ 69.50	\$ 70.55
Annual Total (52 weeks/year):					\$ 3,614.00	\$ 3,614.00	\$ 3,628.60

Authorized
Signature*Peter Karbe**5/23/2014*

Date

Table 4A

Project: Lydall-Rochester, Industrial Site-Sampling/Analytical Costs
Grab & Composite Samples
Fiscal Year July 1- June 30

FY 2014/2015 FY 2015/2016 FY 2016/2017

Parameter	Detection	Units	Method/Reference	Analytical Price/Event	Analytical Price/Event	Analytical Price/Event
Oil and Grease	5	mg/L	EPA Method 1664	\$ 73.00	\$ 73.00	\$ 74.00
Total Suspended Solids	2.5	mg/L	SM 2540D	\$ 17.00	\$ 17.00	\$ 17.00
pH (field)	0.05	su	150.1 EPA 600/4/79/020	\$ N/C	\$ N/C	\$ N/C
Total Phosphorus	0.05	mg/L	SM 4500-P E	\$ 27.00	\$ 27.00	\$ 27.00
Cadmium, Total	0.001	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Copper, Total	0.002	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Lead, Total	0.005	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Silver, Total	0.002	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Zinc, Total	0.002	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Biochemical Oxygen Demand	5	mg/L	SM 5210 B	\$ 42.00	\$ 42.00	\$ 43.00
Total Kjeldahl Nitrogen	0.2	mg/L as N	SM 4500-Norg C	\$ 42.00	\$ 42.00	\$ 43.00
Temperature (field)	1	C	SM 20 th Ed. 2550 B	\$ N/C	\$ N/C	\$ N/C
Semi-volatile Organics	5	ug/L	EPA 625	\$ 242.00	\$ 242.00	\$ 245.00
Volatile Organics	5	ug/L	EPA Method 624	\$ 110.00	\$ 110.00	\$ 112.00
Turbidity	0.05	ntu	SM 2130 B	\$ 10.00	\$ 10.00	\$ 10.00
Sampling Services Quarterly Cost				\$ 275.00	\$ 288.75	\$ 288.75
Total Quarterly Sampling/Analytical Cost:				\$ 878.00	\$ 891.75	\$ 900.15

900 SC

Table 4B

Project: Thompson Investment Casting, Industrial Site-Sampling/Analytical Costs
Grab & Composite Samples
Fiscal Year July 1- June 30

Parameter	Detection	Units	Method/Reference	FY 2014/2015	FY 2015/2016	FY 2016/2017
				Analytical Price/Event	Analytical Price/Event	Analytical Price/Event
Oil and Grease	5	mg/L	EPA Method 1664	\$ 73.00	\$ 73.00	\$ 74.00
Total Cyanide	0.005	mg/L	SM 4500-CN C	\$ 37.00	\$ 37.00	\$ 38.00
pH (field)	0.05	su	150.1 EPA 600/4/79/020	\$ N/C	\$ N/C	\$ N/C
Total Phosphorus	0.005	mg/L	SM 4500-P E	\$ 27.00	\$ 27.00	\$ 27.00
Cadmium, Total	0.001	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Chromium, Total	0.002	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Copper, Total	0.002	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Lead, Total	0.005	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Nickel, Total	0.003	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Silver, Total	0.001	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Zinc, Total	0.002	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Total Kjeldhal Nitrogen	0.1	mg/L as N	SM 4500-Norg C	\$ 42.00	\$ 42.00	\$ 43.00
Temperature (field)	1	C	SM 20 th Ed. 2550 B	\$ N/C	\$ N/C	\$ N/C
Volatile Organics	5	ug/L	EPA Method 624	\$ 110.00	\$ 110.00	\$ 112.00
Sampling Services Quarterly Cost				\$ 100.00	\$ 105.00	\$ 105.00
Total Quarterly Sampling/Analytical Cost:				\$ 445.00	\$ 450.00	\$ 455.00

TABLE 4C

Project: Turnkey Recycling & Environmental Enterprises, Industrial Site
Grab & Composite Samples
Sampling/Analytical Costs Fiscal Year July 1- June 30

FY 2014/2015 FY 2015/2016 FY 2016/2017

Parameter	Detection	Units	Method/Reference	Analytical Price/Event	Analytical Price/Event	Analytical Price/Event
Oil and Grease	5	mg/L	EPA Method 1664	\$ 73.00	\$ 73.00	\$ 74.00
pH (field)	0.05	su	150.1 EPA 600/4/79/020	\$ N/C	\$ N/C	\$ N/C
Mercury, Total	0.01	ug/L	245.7 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Arsenic, Total	0.005	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Cadmium, Total	0.001	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Copper, Total	0.002	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Lead, Total	0.005	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Chromium, Total	0.002	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Silver, Total	0.002	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Zinc, Total	0.002	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Nickel, Total	0.003	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Total Cyanide	0.005	mg/L	SM 4500-CN C	\$ 37.00	\$ 37.00	\$ 38.00
Total Phosphorus	0.005	mg/L	SM 4500-P E	\$ 27.00	\$ 27.00	\$ 27.00
Total Kjeldhal Nitrogen	0.1	mg/L as N	SM 4500-Norg C	\$ 42.00	\$ 42.00	\$ 43.00
Biochemical Oxygen Demand	5	mg/L	SM 5210 B	\$ 42.00	\$ 42.00	\$ 43.00
Total Suspended Solids	5	mg/L	SM 2540 D	\$ 17.00	\$ 17.00	\$ 17.25
Temperature (field)	1	C	SM 20 th Ed. 2550 B	\$ N/C	\$ N/C	\$ N/C
Nitrate plus nitrite-N	0.05	mg/L as N	SM 4500-NO3 F	\$ 34.00	\$ 34.00	\$ 34.50
UV Absorbance @ 254nm	0.005	Abs/cm	SM 5910 B	\$ 60.00	\$ 60.00	\$ 61.00
% Transmittance (calculation)				\$ N/C	\$ N/C	\$ N/C
Sampling Services Quarterly Cost				\$ 275.00	\$ 288.75	\$ 288.75
Total Quarterly Sampling/Analytical Cost:				\$ 679.00	\$ 692.75	\$ 699.00

698.50

TABLE 4D**Project: Bacon Felt Company, Industrial Site-Sampling/Analytical Costs****Grab Samples****Sampling/Analytical Costs Fiscal Year July 1- June 30**

FY 2014/2015 FY 2015/2016 FY 2016/2017

Parameter	Detection	Units	Method/Reference	Analytical Price/Event	Analytical Price/Event	Analytical Price/Event
Oil and Grease	5	mg/L	EPA Method 1664	\$ 73.00	\$ 73.00	\$ 74.00
pH (field)	0.05	su	150.1 EPA 600/4/79/020	\$ N/C	\$ N/C	\$ N/C
Cadmium, Total	0.001	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Copper, Total	0.002	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Lead, Total	0.005	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Silver, Total	0.002	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Zinc, Total	0.002	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Temperature (field)	1	C	SM 20 th Ed. 2550 B	\$ N/C	\$ N/C	\$ N/C
Sampling Services Quarterly Cost				\$ 100.00	\$ 105.00	\$ 105.00
Total Quarterly Sampling/Analytical Cost:				\$ 213.00	\$ 218.00	\$ 219.00

TABLE 4E**Project: Frisbie Memorial Hospital, Industrial Site-Sampling/Analytical Costs****Grab Samples****Sampling/Analytical Costs Fiscal Year July 1- June 30**

FY 2014/2015 FY 2015/2016 FY 2016/2017

Parameter	Detection	Units	Method/Reference	Analytical Price/Event	Analytical Price/Event	Analytical Price/Event
Oil and Grease	5	mg/L	EPA Method 1664	\$ 73.00	\$ 73.00	\$ 74.00
pH (field)	0.05	su	150.1 EPA 600/4/79/020	\$ N/C	\$ N/C	\$ N/C
Temperature (field)	1	C	SM 20 th Ed. 2550 B	\$ N/C	\$ N/C	\$ N/C
Sampling Services Quarterly Cost				\$ 100.00	\$ 105.00	\$ 105.00
Total Quarterly Sampling/Analytical Cost:				\$ 173.00	\$ 178.00	\$ 179.00

TABLE 4F

Project: Albany Engineered Composites, Industrial Site-Sampling/Analytical Costs
112 Airport Drive – Building 1
Grab Samples
Fiscal Year July 1- June 30

FY 2014/2015 FY 2015/2016 FY 2016/2017

Parameter	Detection	Units	Method/Reference	Analytical Price/Event	Analytical Price/Event	Analytical Price/Event
Oil and Grease	5	mg/L	EPA Method 1664	\$ 73.00	\$ 73.00	\$ 74.00
pH (field)	0.05	su	150.1 EPA 600/4/79/020	\$ N/C	\$ N/C	\$ N/C
Total Kjeldhal Nitrogen	0.1	mg/L as N	SM 4500-Norg C	\$ 42.00	\$ 42.00	\$ 43.00
Temperature (field)	1	C	SM 20 th Ed. 2550 B	\$ N/C	\$ N/C	\$ N/C
Biochemical Oxygen Demand	5	mg/L	SM 5210 B	\$ 42.00	\$ 42.00	\$ 43.00
Total Suspended Solids	5	mg/L	SM 2540 D	\$ 17.00	\$ 17.00	\$ 17.25
Mercury, Total	0.01	ug/L	245.7 EPA	\$ 27.00	\$ 27.00	\$ 27.50
Arsenic, Total	0.005	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Cadmium, Total	0.001	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Chromium, Total	0.002	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Copper, Total	0.002	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Lead, Total	0.005	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Nickel, Total	0.003	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Silver, Total	0.002	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Zinc, Total	0.002	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Total Cyanide	0.005	mg/L	SM 4500-CN C	\$ 37.00	\$ 37.00	\$ 38.00
Total Phosphorus	0.005	mg/L	SM 4500-P E	\$ 27.00	\$ 27.00	\$ 27.50
Nitrate plus nitrite-N	0.05	mg/L	SM 4500-NO3 F	\$ 34.00	\$ 34.00	\$ 34.50
Sampling Services Quarterly Cost				\$ 150.00	\$ 157.50	\$ 157.50
Total Quarterly Sampling/Analytical Cost:				\$ 513.00	\$ 520.50	\$ 526.25

Table 4G**Project: Albany Engineered Composite, Industrial Site Sampling/Analytical Costs****85 Innovation Drive – Plant 1****Grab Samples****Sampling/Analysis Costs Fiscal Year July 1-June 30**

FY 2014/2015 FY 2015/2016 FY 2016/2017

Parameter	Detection	Units	Method/Reference	Analytical Price/Event	Analytical Price/Event	Analytical Price/Event
Oil and Grease	5	mg/L	EPA Method 1664	\$ 73.00	\$ 73.00	\$ 74.00
pH (field)	0.05	su	150.1 EPA 600/1/79/020	\$ N/C	\$ N/C	\$ N/C
Total Kjeldhal Nitrogen	0.1	mg/L as N	SM 4500-Norg C	\$ 42.00	\$ 42.00	\$ 43.00
Temperature (field)	1	C	SM 20 th Ed. 2550 B	\$ N/C	\$ N/C	\$ N/C
Biochemical Oxygen Demand	5	mg/L	SM 5210 B	\$ 42.00	\$ 42.00	\$ 43.00
Total Suspended Solids	5	mg/L	SM 2540 D	\$ 17.00	\$ 17.00	\$ 17.25
Mercury, Total	0.01	ug/L	245.7 EPA	\$ 27.00	\$ 27.00	\$ 27.50
Arsenic, Total	0.05	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Cadmium, Total	0.001	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Chromium, Total	0.002	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Copper, Total	0.002	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Lead, Total	0.005	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Nickel, Total	0.003	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Silver, Total	0.002	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Zinc, Total	0.002	mg/L	200.8 EPA	\$ 8.00	\$ 8.00	\$ 8.00
Total Cyanide	0.005	mg/L	SM 4500-CN C	\$ 37.00	\$ 37.00	\$ 38.00
Total Phosphorus	0.005	mg/L	SM 4500-P E	\$ 27.00	\$ 27.00	\$ 27.50
Nitrate plus nitrite-N	0.05	mg/L	SM 4500-NO3	\$ 34.00	\$ 34.00	\$ 34.50
Sampling Services Quarterly Cost				\$ 150.00	\$ 157.50	\$ 157.50
Total Quarterly Sampling/Analytical Cost:				\$ 513.00	\$ 520.50	\$ 526.25

Authorized Signature

Peter Karbe5/23/2014

Date

Table 5ANNUAL TCLP

The following sampling and analytical services are required. A quotation must be provided for each analysis listed. Price shall be quoted for sample collection, field measurement and analysis of the City of Rochester Wastewater Treatment Facility's Influent and Vortex Grit TCLP testing on an annual basis. If a subcontractor will be used for these analyses, this must be indicated with the final cost quoted.

Project: Annual TCLP for Influent & Grit Vortex
Sampling/Analysis Cost Fiscal Year July 1-June 30

FY 2014/2015 FY 2015/2016 FY 2016/2017

Parameter	Detection	Units	Method/Reference	Analytical Price/Event	Analytical Price/Event	Analytical Price/Event
pH (field)	0.05	su	150.1 EPA 600/4/79/20	\$ N/C	\$ N/C	\$ N/C
Flashpoint	1	F	1010 SW846 3 rd Ed.	\$ 32.00	\$ 32.00	\$ 32.50
Free Liquids	0.1	%	SW846-9095A	\$ 12.00	\$ 12.00	\$ 12.25
Reactive Cyanide	0.05	ug/g dry wt	335.2 EPA 600/4/79/020	\$ 32.00	\$ 32.00	\$ 32.50
Reactive Sulfide	0.05	ug/g dry wt	SM 20 th Ed. 4500- S F	\$ 28.00	\$ 28.00	\$ 28.50
TCLP Arsenic	0.05	mg/L	SW 846 6010	\$ 125.00	\$ 125.00	\$ 127.00
TCLP Barium	0.1	mg/L	SW 846 6010	\$ ↑	\$	\$
TCLP Cadmium	0.01	mg/L	SW 846 6010	\$	\$	\$
TCLP Chromium	0.02	mg/L	SW 846 6010	\$	\$	\$
TCLP Lead	0.05	mg/L	SW 846 6010	\$	\$	\$
TCLP Mercury	0.03	mg/L	SW 846 6010	\$	\$	\$
TCLP Selenium	0.2	mg/L	SW 846 6010	\$	\$	\$
TCLP Silver	0.01	mg/L	SW 846 6010	\$	\$	\$
TCLP 1,2- dichloroethane	0.01	mg/L	SW 846 8260	\$ 200.00	\$ 200.00	\$ 203.00
TCLP 1,1-dichloroethene	0.01	mg/L	SW 846 8260	\$	\$	\$
TCLP 1,4-dichlorobenzene	0.01	mg/L	SW 846 8260	\$	\$	\$
TCLP Benzene	0.01	mg/L	SW 846 8260	\$	\$	\$
TCLP carbon tetrachloride	0.01	mg/L	SW 846 8260	\$	\$	\$

Table 5

FY 2014/2015 FY 2015/2016 FY 2016/2017

Parameter	Detection	Units	Method/Reference	Analytical Price/Event	Analytical Price/Event	Analytical Price/Event
TCLP chlorobenzene	0.01	mg/L	SW 846 8260	\$	\$	\$
TCLP chloroform	0.01	mg/L	SW 846 8260	\$	\$	\$
TCLP methyl ethyl ketone	0.03	mg/L	SW 846 8260	\$	\$	\$
TCLP tetrachloroethene	0.01	mg/L	SW 846 8260	\$	\$	\$
TCLP trichloroethene	0.01	mg/L	SW 846 8260	\$	\$	\$
TCLP vinyl chloride	0.01	mg/L	SW 846 8260	\$	\$	\$
TCLP o-cresol	0.004	mg/L	EPA SW 846 Method 8270C	\$ 375.00	\$ 375.00	\$ 380.00
TCLP m-cresol	0.004	mg/L	EPA SW 846 Method 8270C	\$	\$	\$
TCLP p-cresol	0.004	mg/L	EPA SW 846 Method 8270C	\$	\$	\$
TCLP cresol	0.004	mg/L	EPA SW 846 Method 8270C	\$	\$	\$
TCLP 2,4-dinitrotoluene	0.004	mg/L	EPA SW 846 Method 8270C	\$	\$	\$
TCLP hexachlorobenzene	0.004	mg/L	EPA SW 846 Method 8270C	\$	\$	\$
TCLP hexachloro-1,3-butadiene	0.004	mg/L	EPA SW 846 Method 8270C	\$	\$	\$
TCLP hexachloroethane	0.004	mg/L	EPA SW 846 Method 8270C	\$	\$	\$
TCLP nitrobenzene	0.004	mg/L	EPA SW 846 Method 8270C	\$	\$	\$
TCLP pentachlorophenol	0.004	mg/L	EPA SW 846 Method 8270C	\$	\$	\$
TCLP pyridine	0.015	mg/L	EPA SW 846 Method 8270C	\$	\$	\$
TCLP 2,4,5-trichlorophenol	0.004	mg/L	EPA SW 846 Method 8270C	\$	\$	\$
TCLP 2,4,6-trichlorophenol	0.004	mg/L	EPA SW 846 Method 8270C	\$	\$	\$
TCLP Endrin	0.005	mg/L	SW 846 8081A	\$ 330.00	\$ 330.00	\$ 335.00
TCLP Heptachlor	0.005	mg/L	SW 846 8081A	\$	\$	\$
TCLP Heptachlor epoxide	0.005	mg/L	SW 846 8081A	\$	\$	\$
TCLP Lindane	0.005	mg/L	SW 846 8081A	\$	\$	\$
TCLP Methoxychlor	0.05	mg/L	SW 846 8081A	\$	\$	\$
TCLP Toxaphene	0.005	mg/L	SW 846 8081A	\$	\$	\$
TCLP Chlordane	0.005	mg/L	SW 846 8081A	\$	\$	\$
Annual Sampling Analytical Cost:				\$ 125.00	\$ 131.25	\$ 131.25
ANNUAL Sampling / Analytical Cost:				1259.00	1265.25	1282.00

Authorized Signature

Peter Karbe

Date

5/23/2014

Table 6SLUDGESection A. Volatile Organic compounds METHOD USED: 8260

	FY 2014/2015	FY 2015/2016	FY 2016/2017
ANALYTICAL COST:	\$ <u>200.⁰⁰</u>	\$ <u>200.⁰⁰</u>	\$ <u>203.⁰⁰</u>
SAMPLING COST: :	\$ <u>125.⁰⁰</u>	\$ <u>131.²⁵</u>	\$ <u>131.²⁵</u>

Compound	Det Limit mg/kg		Compound	Det Limit mg/kg
Dichlorodifluoromethane	1		Chloromethane	0.7
Vinyl chloride	0.4		Bromomethane	0.3
Chloromethane	1		Trichlorofluoromethane	1
Diethyl ether	5		Acetone	5
1,1-Dichloroethene	0.5		Methylene chloride	0.1
Carbon disulfide	0.2		Methyl-tert-butyl ether	2
Trans-1,2-Dichloroethene	1		1,1-Dichloroethane	1
2-Butanone	1		2,2-Dichloropropane	1
Cis-1,2-Dichloroethene	1		Chloroform	0.1
Bromochloromethane	1		Tetrahydrofuran	1
1,1,1-Trichloroethane	1		1,2-Dichloropropene	1
Carbon tetrachloride	1		1,2-Dichloroethane	0.08
Benzene	0.3		Trichloroethene	0.8
1,2-Dichloropropane	0.1		Dichlorobromomethane	0.02
Dibromomethane	1		4-Methyl-2-pentanone	1
Cis-1,3-Dichloropropene	0.5		Toluene	1
Trans-1,3-Dichloropropene	0.5		1,1,2-Trichloroethane	0.1
2-Hexanone	5		1,3-Dichloropropane	1
Tetrachloroethene	1		Dibromochloromethane	0.01
1,2-Dibromoethane	0.09		Chlorobenzene	1
1,1,1,2-Tetrachloroethane	1		Ethylbenzene	1
M&p-Xylene	10		O-Xylene	5
Styrene	1		Bromoform	0.1

Table 6 (continued)

Compound	Det Limit mg/kg		Compound	Det Limit mg/kg
Isopropylbenzene	5		1,1,2,2-Tetrachloroethane	0.02
1,2,3-Trichloropropane	1		n-Propylbenzene	5
Bromobenzene	1		1,3,5-Trimethylbenzene	5
2-Chlorotoluene	1		4-Chlorotoluene	1
Tert-Butylbenzene	4		1,2,4-Trimethylbenzene	5
Sec-Butylbenzene	5		p-Isopropyltoluene	5
1,3-Dichlorobenzene	5		1,4-Dichlorobenzene	5
n-Butylbenzene	5		1,2-Dichlorobenzene	5
1,2-Dibromo-3-chloroprop	0.02		1,2,4-Trichlorobenzene	2
Hexachlorobuadiene	0.2		1,2,4-Trichlorobenzene	2
1,2,3-Trichlorobenzene	2		Naphthalene	5

Section B. Semi-volatile Compounds METHOD USED: 8270

FY 2014/2015

FY 2015/2016

FY 2016/2017

ANALYTICAL COST: \$ 350.⁰⁰\$ 350.⁰⁰\$ 355.⁰⁰SAMPLING COST: \$ 122.⁰⁰\$ 131.²⁵\$ 131.²⁵

Compound	Det Limit mg/kg		Compound	Det Limit mg/kg
1,2-Diphenylhydrazine	1.7		2,4,5-Trichlorophenol	5
2,4,6-Trichlorophenol	1.7		2,4-Dichlorophenol	1.7
2,4-Dimethylphenol	2		2,4-Dinitrophenol	12
2,4-Dinitrotoluene	1.7		2,6-Dinitrotoluene	1.7

Table 6 (continued)

Section C. Pesticides

METHOD USED: 8081

	FY 2014/2015	FY 2015/2016	FY 2016/2017
ANALYTICAL COST:	\$ <u>141.00</u>	\$ <u>141.00</u>	\$ <u>143.00</u>
SAMPLING COST:	\$ <u>125.00</u>	\$ <u>131.25</u>	\$ <u>131.25</u>

Compound	Det Limit mg/kg		Compound	Det Limit mg/kg
Aldrin	0.09		Gamma-BHC (Lindane)	0.09
Alpha-BHC	0.06		Delta-BHC	0.09
Beta-BHC	0.06		Chlordane	0.08
4,4'-DDT	0.09		4,4'-DDE	0.07
4,4'-DDD	0.07		Alpha-Endosulfan	0.07
Beta-Endosulfan	0.07		Endosulfan sulfate	0.07
Endrin	0.7		Endrin aldehyde	0.07
Heptachlor	.02		Heptachlor epoxide	.07
Toxaphene	0.08			

Section D. PCB's

METHOD USED: 8082

	FY 2014/2015	FY 2015/2016	FY 2016/2017
ANALYTICAL COST:	\$ <u>141.00</u>	\$ <u>141.00</u>	\$ <u>143.00</u>
SAMPLING COST:	\$ <u>125.00</u>	\$ <u>131.25</u>	\$ <u>131.25</u>

Compound	Det Limit mg/kg		Compound	Det Limit mg/kg
PCB-1242	0.7		PCB-1254	0.7
PCB-1221	0.7		PCB-1232	.07
PCB-1248	.07		PCB-1260	0.7

Table 6 (continued)

Section E. Metals

METHOD USED: 6020

	FY 2014/2015	FY 2015/2016	FY 2016/2017
ANALYTICAL COST:	\$ <u>120.⁰⁰</u>	\$ <u>120.⁰⁰</u>	\$ <u>122.⁰⁰</u>
SAMPLING COST:	\$ <u>125.⁰⁰</u>	\$ <u>131.²⁵</u>	\$ <u>131.²⁵</u>

Metals*	Det Limit mg/kg		Metals*	Det Limit mg/kg
Total Arsenic	10		Total Cadmium	1
Total Chromium	10		Total Copper	10
Total Lead	11		Total Mercury	0.05
Total Molybdenum	18		Total Nickel	10
Total Antimony	8		Total Zinc	0.01
Total Silver	4		Total Thallium	10
*Metals price per sample must include required digestion.				
Section F. Additional Analyses				

Section F. Dioxins

METHOD USED: 1613 A

	FY 2014/2015	FY 2015/2016	FY 2016/2017
ANALYTICAL COST:	\$ <u>330.⁰⁰</u>	\$ <u>330.⁰⁰</u>	\$ <u>335.⁰⁰</u>
SAMPLING COST:	\$ <u>125.⁰⁰</u>	\$ <u>131.²⁵</u>	\$ <u>131.²⁵</u>

Compound	Det Limit		Compound	Det Limit mg/kg
2,3,7,8 TCDF	5		Remaining congeners of 2,3,7,8 TCDD	5

Table 6 (continued)

Section G. Total Cyanide

METHOD USED: SM-4500 - C N/C

	FY 2014/2015	FY 2015/2016	FY 2016/2017
ANALYTICAL COST:	\$ <u>37.00</u>	\$ <u>37.00</u>	\$ <u>38.50</u>
SAMPLING COST:	\$ <u>125.00</u>	\$ <u>131.25</u>	\$ <u>131.25</u>

Section H. Additional Analyses

ANALYTICAL COSTS

Parameter	Det Limit mg/kg	Method	FY 2014/2015	FY 2015/2016	FY 2016/2017
pH		SM 4500 H + B	\$ N/C	\$ N/C	\$ N/C
Percent Solids		SM 2540 G	\$ 17.00	\$ 17.00	\$ 17.25
Nitrate-nitrite	30	SM 4500 NO3 F	\$ 34.00	\$ 34.00	\$ 34.50
Total Kjeldahl Nitrogen	300	SM 4500 N: ORG C	\$ 42.00	\$ 42.00	\$ 43.00
Ammonia Nitrogen	30	SM 4500 NH3 G	\$ 23.17	\$ 23.17	\$ 23.50
Total Organic Carbon		Soil Sci 37: 29-37	\$ 37.00	\$ 37.00	\$ 38.50
Potassium	15	6020	\$ 17.00	\$ 17.00	\$ 17.25
Phosphorus	15	SM 4500 - PE	\$ 27.00	\$ 27.00	\$ 27.50
Sampling Service Cost			\$	\$	\$
Total Sampling/Analytical Cost for Full Exhibit A-4 Sludge Analysis:			\$	\$	\$

Authorized Signature

Petra Karbe

Date

5/23/2014

BID FORM / CONTRACT

3 of 3 pages to be included with Quotation Summary and Tables 1-6

OFFER: The undersigned hereby offers to perform services for the City of Rochester, NH as specified at the prices quoted in attached tables, 1 through 6 and as complete in accordance with the provisions set forth in this bid document and the preceding Attachment A

Return one copy of the bidder qualification requirements materials together with two sealed copies of this 3 page BID FORM / CONTRACT with Quotation Summary and TABLES 1 THROUGH 6 attached. They must be in a sealed envelope addressed as specified in the invitation to bid.

Business Name: Eastern Analytical, Inc. Representative: Michael P. Swett / PRESIDENT
(printed name)

Authorized Signature: Michael P. Swett / President Date: June 18, 2014

Address: 25 Chenell Drive Concord, NH 03301

Telephone # (603) 228-0525 Fax# (603) 228-4591

ACCEPTED: CITY OF ROCHESTER, NEW HAMPSHIRE

Date _____

Dan Fitzpatrick, City Manager

Description	Events/yr	FY 2014/2015	FY 2015/2016	FY 2016/2017	Total Cost: Sum of 3 yrs
		Cost/event	Cost/event	Cost/event	
Table 1: WWTF Lagoon Semi-Annual-April & Nov Per Well/A analytical Cost 2	2/Analytical	\$1,177.00	\$1,177.00	\$1,177.00	\$7,062.00
Per Well/Sampling Cost 2	2/Sampling	\$365.00	\$365.00	\$365.00	\$2,190.00
Table 2: NPDES Treatment Plant Inf/Eff Quarterly-Jan, April, July, Oct	4/Analytical	\$1,288.50	\$1,288.50	\$1,288.50	\$15,462.00
Quarterly/A analytical Cost 4	4/Sampling	\$590.00	\$590.00	\$590.00	\$7,080.00
Quarterly/Sampling Cost 4					
Table 3: Total Ammonia as NH3 - NPDES Three (3) times per week	156/Analytical	\$15.00	\$15.00	\$15.00	\$7,020.00
Per Sample/A analytical Cost 156	N/A Sampling				
Table 4A: Lydall-Rochester Quarterly-Jan, Apr, July, Oct	4/Analytical	\$477.00	\$477.00	\$477.00	\$5,724.00
Quarterly/A analytical Cost 4	4/Sampling	\$242.00	\$242.00	\$242.00	\$2,904.00
Quarterly/Sampling Cost 4					
Table 4B: Thompson Investment Casting Quarterly-Jan, Apr, July, Oct	4/Analytical	\$276.00	\$276.00	\$276.00	\$3,312.00
Quarterly/A analytical Cost 4	4/Sampling	\$242.00	\$242.00	\$242.00	\$2,904.00
Quarterly/Sampling Cost 4					
Table 4C: Turnkey Quarterly-Jan, Apr, July, Oct	4/Analytical	\$315.00	\$315.00	\$315.00	\$3,780.00
Quarterly/A analytical Cost 4	4/Sampling	\$440.00	\$440.00	\$440.00	\$5,280.00
Quarterly/Sampling Cost 4					
Table 4D: Bacon Felt Company Quarterly-Jan, Apr, July, Oct	4/Analytical	\$96.00	\$96.00	\$96.00	\$1,152.00
Quarterly/A analytical Cost 4	4/Sampling	\$81.00	\$81.00	\$81.00	\$972.00
Quarterly/Sampling Cost 4					

Description	Events/yr	FY 2014/2015	FY 2015/2016	FY 2016/2017	Total Cost Sum of 3 yrs
		Cost/Event	Cost/Event	Cost/Event	
Table 4E: Frisbie Memorial Hospital Semi-Annual-April & Nov	4/Analytical	\$45.00	\$45.00	\$45.00	\$540.00
Per Well/Analytical Cost 4					
Per Well/Sampling cost 4	4/Sampling	\$81.00	\$81.00	\$81.00	\$972.00
Table 4F: Albany Engineered Composites – Building 1					
Quarterly-Jan, April, July, Oct	4/Analytical	\$279.00	\$279.00	\$279.00	\$3,348.00
Quarterly/Analytical Cost 4					
Quarterly/Sampling Cost 4	4/Sampling	\$81.00	\$81.00	\$81.00	\$972.00
Table 4G: Albany Engineered Composites – Plant 1					
Quarterly-Jan, April, July, Oct	4/Analytical	\$279.00	\$279.00	\$279.00	\$3,348.00
Quarterly/Analytical Cost 4					
Quarterly/Sampling Cost 4	4/Sampling	\$81.00	\$81.00	\$81.00	\$972.00
Table 5: TCLP-Influent & Vortex Grit Annual	1/Analytical	\$607.00	\$607.00	\$607.00	\$1821.00
Per Event/Analytical Cost 1					
Per Event/Sampling Cost 1	1/Sampling	\$290.00	\$290.00	\$290.00	\$870.00
Table 6: Sludge As Required	1/Analytical	\$1,515.00	\$1,515.00	\$1,515.00	\$4,545.00
Per/Event/Analytical Cost (as required)					
Per Event/Sampling Cost (as required)	1/Sampling	\$315.00	\$315.00	\$315.00	\$945.00

Table 1**WWTP LAGOON GROUNDWATER SAMPLING/ANALYSIS**

The following sampling and analytical services are required. A quotation must be provided for each analysis listed. Price shall be quoted for sample collection, field measurement and analysis of the City of Rochester Wastewater Treatment Facility's four (4) Groundwater Monitoring wells on a semi-annual basis, during the first week of April and November. If a subcontractor will be used for these analyses, this must be indicated with the final cost quoted.

Project: Lagoon Groundwater Monitoring Wells, Permit # GWP-198495011-R-005

Sampling/Analysis Costs Fiscal Year July 1-June 30

TABLE 1

FY 2014/2015 FY 2015/2016 FY 2016/2017

Parameter	Detection	Units	Method/Reference	Analytical Price/Well	Analytical Price/Well	Analytical Price/Well
pH (field)	0.05	su	150.1 or SM4500H+B	\$2.75	\$2.75	\$2.75
Cadmium, Dissolved	0.001	mg/L	200.8 EPA	\$8.25	\$8.25	\$8.25
Chromium, Dissolved	0.001	mg/L	200.8 EPA	\$8.25	\$8.25	\$8.25
Lead, Dissolved	0.003	mg/L	200.8 EPA	\$8.25	\$8.25	\$8.25
Silver, Dissolved	0.001	mg/L	200.8 EPA	\$8.25	\$8.25	\$8.25
Total Kjeldhal Nitrogen	0.5	mg/L as N	SM 4500-Norg C	\$22.00	\$22.00	\$22.00
Chloride	5	mg/L	SM4500CLE or 300 EPA	\$8.25	\$8.25	\$8.25
Nitrate	0.5	mg/L as N	353.2 EPA	\$8.25	\$8.25	\$8.25
Conductance @ 25 C	0.1	umhos/cm	120.1 EPA 600/4/79/020	\$5.50	\$5.50	\$5.50
Temperature (field)	1	C	SM 20 th Ed. 2550 B	\$0.00	\$0.00	\$0.00
Arsenic, Dissolved	0.003	mg/L	200.8 EPA	\$8.25	\$8.25	\$8.25
Antimony, Dissolved	0.003	mg/L	200.8 EPA	\$8.25	\$8.25	\$8.25
Barium, Dissolved	0.001	mg/L	200.8 EPA	\$8.25	\$8.25	\$8.25
Beryllium, Dissolved	0.001	mg/L	200.8 EPA	\$8.25	\$8.25	\$8.25
Mercury, Dissolved	0.1	ug/l	200.8 EPA	\$8.25	\$8.25	\$8.25

*Please Note: Detection Limits and Method/References in bold text reflect edits to the original Invitation to Bid.

Table 1 (continued)

FY 2014/2015 FY 2015/2016 FY 2016/2017						
Parameter	Detection	Units	Method/Reference	Analytical Price/Well	Analytical Price/Well	Analytical Price/Well
Nickel, Dissolved	0.001	mg/L	200.8 EPA	\$8.25	\$8.25	\$8.25
Thallium, Dissolved	0.008	mg/L	200.8 EPA	\$8.25	\$8.25	\$8.25
Selenium, Dissolved	0.005	mg/L	200.8 EPA	\$8.25	\$8.25	\$8.25
Nitrite	0.5	mg/L as N	353.2 EPA	\$8.25	\$8.25	\$8.25
VOC's Petroleum & Hazardous Waste Remediation Full List of Analytes	2	ug/L	EPA SW 846, 3 rd Edition Method 8260	\$90.75	\$90.75	\$90.75
Biochemical Oxygen Demand (BOD5)	6 or 3 available please specify	mg/L	SM 5210 B	\$22.00	\$22.00	\$22.00
E.coli Bacteria		CFU/100mL	9223B, Colilert 18	\$22.00	\$22.00	\$22.00
Element Sample Preparation				\$5.50	\$5.50	\$5.50
Static Water Level Elevation (ft)				\$0.00	\$0.00	\$0.00
Sampling Services/Per Well				\$91.25	\$91.25	\$91.25
Total per Well Cost Sampling/Analytical Cost:				\$294.25 ^{385.50}	\$294.25	\$294.25

*Please Note: Detection Limits and Method/References in bold text reflect edits to the original Invitation to Bid.

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Date

6/18/14

Table 2**QUARTERLY & WEEKLY SAMPLING**

The following sampling and analytical services are required. A quotation must be provided for each analysis listed. Price shall be quoted for sample collection & field measurement & analysis of the City of Rochester Wastewater Treatment Facility's influent and effluent, and seven (7) industrial outfalls on a quarterly basis, and weekly effluent ammonia.

In the event that an industry violates its permit limit, a resample/retest must be performed within thirty (30) days for those parameters only. If a subcontractor will be used for these analyses, it must be indicated for each analyte with the final cost quoted.

Project: Quarterly Influent & Effluent-Sampling/Analytical Costs**Grab Samples****Fiscal Year July 1-June 30****FY 2014/2015 FY 2015/2016 FY 2016/2017**

Parameter	Detection	Units	Method/Reference	Analytical Price/Event	Analytical Price/Event	Analytical Price/Event
Oil and Grease, Total Recoverable	5	mg/L	EPA Method 1664	\$77.00	\$77.00	\$77.00
Cyanide, Total	0.005	mg/L	ASTM D7511-09	\$60.50	\$60.50	\$60.50
Hexavalent Chromium	0.01	mg/L	SW846 7196A	\$55.00	\$55.00	\$55.00
Total Suspended Solids	5	mg/L	SM 2540D	\$16.50	\$16.50	\$16.50
pH (field)	0.05	su	150.1 EPA or SM4500H+B	\$5.50	\$5.50	\$5.50
Chloride	5	mg/L	SM4500CLE or 300 EPA	\$16.50	\$16.50	\$16.50
Total Phosphorus	0.005	mg/L	365.1 EPA	\$27.50	\$27.50	\$27.50
Cadmium, Total	0.001	mg/L	200.8 EPA	\$16.50	\$16.50	\$16.50
Copper, Total	0.002	mg/L	200.8 EPA	\$16.50	\$16.50	\$16.50
Lead, Total	0.002	mg/L	200.8 EPA	\$16.50	\$16.50	\$16.50
Silver, Total	0.002	mg/L	200.8 EPA	\$16.50	\$16.50	\$16.50
Zinc, Total	0.005	mg/L	200.8 EPA	\$16.50	\$16.50	\$16.50
Biochemical Oxygen Demand	6 or 3 available please specify	mg/L	SM 5210 B	\$44.00	\$44.00	\$44.00
Carbonaceous Biochemical Oxygen Demand	6 or 3 available please specify	mg/L	SM 5210 B	\$49.50	\$49.50	\$49.50
Total Kjeldahl Nitrogen	0.5	mg/L as N	SM 4500-Norg C	\$44.00	\$44.00	\$44.00
Temperature (field)	1	C	SM 20 th Ed. 2550 B	\$0.00	\$0.00	\$0.00
Sulfate	1	mg/L	EPA 300	\$16.50	\$16.50	\$16.50
Sulfide	0.1	mg/L	8131 HACH	\$22.00	\$22.00	\$22.00

*Please Note: Detection Limits and Method/References in bold text reflect edits to the original Invitation to Bid.

Table 2 (continued)

FY 2014/2015 FY 2015/2016 FY 2016/2017

Parameter	Detection	Units	Method/Reference	Analytical Price/Event	Analytical Price/Event	Analytical Price/Event
Total Phenol	0.05	mg/L	420.1 EPA	\$60.50	\$60.50	\$60.50
Ammonia-N	0.1	mg/L as N	SM 4500-NH3 D or Timberline NH3001	\$27.50	\$27.50	\$27.50
Mercury, Total	500	ug/L	SM 3112B	\$84.00 (sub)	\$84.00 (sub)	\$84.00 (sub)
Arsenic, Total	0.005	mg/L	200.8 EPA	\$16.50	\$16.50	\$16.50
Beryllium, Total	0.001	mg/L	200.8 EPA	\$16.50	\$16.50	\$16.50
Boron, Total	0.05	mg/L	200.8 EPA	\$16.50	\$16.50	\$16.50
Calcium, Total	0.05	mg/L	200.8 EPA	\$16.50	\$16.50	\$16.50
Chromium, Total	0.002	mg/L	200.8 EPA	\$16.50	\$16.50	\$16.50
Aluminum, Total	0.05	mg/L	200.8 EPA	\$16.50	\$16.50	\$16.50
Iron, Total	0.05	mg/L	200.8 EPA	\$16.50	\$16.50	\$16.50
Manganese, Total	0.005	mg/L	200.8 EPA	\$16.50	\$16.50	\$16.50
Nickel, Total	0.003	mg/L	200.8 EPA	\$16.50	\$16.50	\$16.50
Selenium, Total	0.005	mg/L	200.8 EPA	\$16.50	\$16.50	\$16.50
Sodium, Total	5	mg/L	200.8 EPA	\$16.50	\$16.50	\$16.50
Copper, Dissolved	0.002	mg/L	200.8 EPA	\$16.50	\$16.50	\$16.50
Lead, Dissolved	0.005	mg/L	200.8 EPA	\$16.50	\$16.50	\$16.50
Zinc, Dissolved	0.005	mg/L	200.8 EPA	\$16.50	\$16.50	\$16.50
Nitrate	1	mg/L as N	353.2 EPA	\$16.50	\$16.50	\$16.50
Nitrite	0.5	mg/L as N	353.2 EPA	\$16.50	\$16.50	\$16.50
Nitrate plus nitrite-N	0.5	mg/L as N	353.2 EPA	\$0.00	\$0.00	\$0.00
Total Nitrogen (calculation)				\$16.50	\$16.50	\$16.50
Orthophosphate Phosphorus	0.005	mg/L	365.1 EPA	\$16.50	\$16.50	\$16.50
Dissolved Inorganic Nitrogen				\$16.50	\$16.50	\$16.50
Organic Nitrogen				\$16.50	\$16.50	\$16.50
Chlorophyll a	0.5	Mg/m³	SM 10200H3	\$93.50	\$93.50	\$93.50
Volatile Organics	5	ug/L	EPA Method 624	\$165.00	\$165.00	\$165.00
Element Sample Preparation				\$11.00	\$11.00	\$11.00
Sampling Services Quarterly Cost				\$590.00	\$590.00	\$590.00
Total Quarterly Sampling/Analytical Cost:				\$1878.50	\$1878.50	\$1878.50

*Please Note: Detection Limits and Method/References in bold text reflect edits to the original Invitation to Bid.

Authorized Signature

*Michael P. Swett / President*Date *6/18/14*

Table 3**Project: Weekly Ammonia (3 samples per week)****Analytical Costs: Fiscal Year July 1-June 30****FY 2014/2015 FY 2015/2016 FY 2016/2017**

Parameter	Samples per week	Detection Limit	Units	Method/Reference	Analytical Price/week	Analytical Price/week	Analytical Price/week
Ammonia-N-distilled	3	0.1	mg/L	SM 4500-NH3 D or Timberline NH3001	\$45.00	\$45.00	\$45.00
Annual Total (52 weeks/year):					\$2,340.00	\$2,340.00	\$2,340.00

*Please Note: Detection Limits and Method/References in bold text reflect edits to the original Invitation to Bid.

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Signature _____

Michael P. Smith / President

Date *6/18/14*

Table 4A**Project: Lydall-Rochester, Industrial Site-Sampling/Analytical Costs****Grab & Composite Samples****Fiscal Year July 1- June 30**

FY 2014/2015 FY 2015/2016 FY 2016/2017

Parameter	Detection	Units	Method/Reference	Analytical Price/Event	Analytical Price/Event	Analytical Price/Event
Oil and Grease	5	mg/L	EPA Method 1664	\$42.00	\$42.00	\$42.00
Total Suspended Solids	1 or 5 please specify	mg/L	SM 2540D	\$9.00	\$9.00	\$9.00
pH (field)	0.05	su	150.1 or SM4500H+B	\$3.00	\$3.00	\$3.00
Total Phosphorus	0.05	mg/L	365.1 EPA	\$15.00	\$15.00	\$15.00
Cadmium, Total	0.001	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Copper, Total	0.002	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Lead, Total	0.005	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Silver, Total	0.002	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Zinc, Total	0.005	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Biochemical Oxygen Demand	6 or 3 available please specify	mg/L	SM 5210 B	\$24.00	\$24.00	\$24.00
Total Kjeldahl Nitrogen	0.5	mg/L as N	SM 4500-Norg C	\$24.00	\$24.00	\$24.00
Temperature (field)	1	C	SM 20 th Ed. 2550 B	\$0.00	\$0.00	\$0.00
Semi-volatile Organics	5	ug/L	EPA 625	\$210.00	\$210.00	\$210.00
Volatile Organics	5	ug/L	EPA Method 624	\$90.00	\$90.00	\$90.00
Turbidity	1	ntu	180.1 EPA or SM 2130 B	\$9.00	\$9.00	\$9.00
Element Sample Preparation				\$6.00	\$6.00	\$6.00
Sampling Services Quarterly Cost				\$242.00	\$242.00	\$242.00
Total Quarterly Sampling/Analytical Cost:				\$719.00	\$719.00	\$719.00

*Please Note: Detection Limits and Method/References in bold text reflect edits to the original Invitation to Bid.

Table 4B**Project: Thompson Investment Casting, Industrial Site-Sampling/Analytical Costs****Grab & Composite Samples****Fiscal Year July 1- June 30****FY 2014/2015 FY 2015/2016 FY 2016/2017**

Parameter	Detection	Units	Method/Reference	Analytical Price/Event	Analytical Price/Event	Analytical Price/Event
Oil and Grease	5	mg/L	EPA Method 1664	\$42.00	\$42.00	\$42.00
Total Cyanide	0.005	mg/L	ASTM D7511-09	\$33.00	\$33.00	\$33.00
pH (field)	0.05	su	150.1 EPA or SM4500H+B	\$3.00	\$3.00	\$3.00
Total Phosphorus	0.005	mg/L	365.1 EPA	\$15.00	\$15.00	\$15.00
Cadmium, Total	0.001	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Chromium, Total	0.002	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Copper, Total	0.002	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Lead, Total	0.005	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Nickel, Total	0.003	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Silver, Total	0.001	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Zinc, Total	0.005	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Total Kjeldhal Nitrogen	0.5	mg/L as N	SM 4500-Norg C	\$24.00	\$24.00	\$24.00
Temperature (field)	1	C	SM 20 th Ed. 2550 B	\$0.00	\$0.00	\$0.00
Volatile Organics	5	ug/L	EPA Method 624	\$90.00	\$90.00	\$90.00
Element Sample Preparation				\$6.00	\$6.00	\$6.00
Sampling Services Quarterly Cost				\$242.00	\$242.00	\$242.00
Total Quarterly Sampling/Analytical Cost:				\$518.00	\$518.00	\$518.00

*Please Note: Detection Limits and Method/References in bold text reflect edits to the original Invitation to Bid.

TABLE 4C

Project: Turnkey Recycling & Environmental Enterprises, Industrial Site
Grab & Composite Samples
Sampling/Analytical Costs Fiscal Year July 1- June 30

FY 2014/2015 FY 2015/2016 FY 2016/2017

Parameter	Detection	Units	Method/Reference	Analytical Price/Event	Analytical Price/Event	Analytical Price/Event
Oil and Grease	5	mg/L	EPA Method 1664	\$42.00	\$42.00	\$42.00
pH (field)	0.05	su	150.1 EPA or SM4500H+B	\$3.00	\$3.00	\$3.00
Mercury, Total	500	ug/L	SM 3112B	\$42.00(sub)	\$42.00(sub)	\$42.00(sub)
Arsenic, Total	0.005	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Cadmium, Total	0.001	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Copper, Total	0.002	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Lead, Total	0.005	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Chromium, Total	0.002	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Silver, Total	0.002	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Zinc, Total	0.005	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Nickel, Total	0.003	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Total Cyanide	0.005	mg/L	ASTM D7511-09	\$33.00	\$33.00	\$33.00
Total Phosphorus	0.005	mg/L	365.1 EPA	\$15.00	\$15.00	\$15.00
Total Kjeldhal Nitrogen	0.5	mg/L as N	SM 4500-Norg C	\$24.00	\$24.00	\$24.00
Biochemical Oxygen Demand	6 or 3 available please specify	mg/L	SM 5210 B	\$24.00	\$24.00	\$24.00
Total Suspended Solids	5	mg/L	SM 2540 D	\$9.00	\$9.00	\$9.00
Temperature (field)	1	C	SM 20 th Ed. 2550 B	\$0.00	\$0.00	\$0.00
Nitrate plus nitrite-N	0.5	mg/L as N	353.2 EPA	\$9.00	\$9.00	\$9.00
UV Absorbance @ 254nm	0.005	Abs/cm	SM 5910 B	\$18.00	\$18.00	\$18.00
% Transmittance (calculation)				\$18.00	\$18.00	\$18.00
Element Sample Preparation				\$6.00	\$6.00	\$6.00
Sampling Services Quarterly Cost				\$440.00	\$440.00	\$440.00
Total Quarterly Sampling/Analytical Cost:				\$755.00	\$755.00	\$755.00

*Please Note: Detection Limits and Method/References in bold text reflect edits to the original Invitation to Bid.

TABLE 4D**Project: Bacon Felt Company, Industrial Site-Sampling/Analytical Costs****Grab Samples****Sampling/Analytical Costs Fiscal Year July 1- June 30**

FY 2014/2015 FY 2015/2016 FY 2016/2017

Parameter	Detection	Units	Method/Reference	Analytical Price/Event	Analytical Price/Event	Analytical Price/Event
Oil and Grease	5	mg/L	EPA Method 1664	\$42.00	\$42.00	\$42.00
pH (field)	0.05	su	150.1 EPA or SM4500H+B	\$3.00	\$3.00	\$3.00
Cadmium, Total	0.001	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Copper, Total	0.002	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Lead, Total	0.005	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Silver, Total	0.002	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Zinc, Total	0.005	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Element Sample Preparation				\$6.00	\$6.00	\$6.00
Temperature (field)	1	C	SM 20 th Ed. 2550 B	\$0.00	\$0.00	\$0.00
Sampling Services Quarterly Cost				\$81.00	\$81.00	\$81.00
Total Quarterly Sampling/Analytical Cost:				\$177.00	\$177.00	\$177.00

*Please Note: Detection Limits and Method/References in bold text reflect edits to the original Invitation to Bid.

TABLE 4E**Project: Frisbie Memorial Hospital, Industrial Site-Sampling/Analytical Costs****Grab Samples****Sampling/Analytical Costs Fiscal Year July 1- June 30**

FY 2014/2015 FY 2015/2016 FY 2016/2017

Parameter	Detection	Units	Method/Reference	Analytical Price/Event	Analytical Price/Event	Analytical Price/Event
Oil and Grease	5	mg/L	EPA Method 1664	\$42.00	\$42.00	\$42.00
pH (field)	0.05	su	150.1 EPA or SM4500H+B	\$3.00	\$3.00	\$3.00
Temperature (field)	1	C	SM 20 th Ed. 2550 B	\$0.00	\$0.00	\$0.00
Sampling Services Quarterly Cost				\$81.00	\$81.00	\$81.00
Total Quarterly Sampling/Analytical Cost:				\$126.00	\$126.00	\$126.00

*Please Note: Detection Limits and Method/References in bold text reflect edits to the original Invitation to Bid.

TABLE 4F**Project: Albany Engineered Composites, Industrial Site-Sampling/Analytical Costs****112 Airport Drive – Building 1****Grab Samples****Fiscal Year July 1- June 30**

FY 2014/2015 FY 2015/2016 FY 2016/2017

Parameter	Detection	Units	Method/Reference	Analytical Price/Event	Analytical Price/Event	Analytical Price/Event
Oil and Grease	5	mg/L	EPA Method 1664	\$42.00	\$42.00	\$42.00
pH (field)	0.05	su	150.1 EPA or SM4500H+B	\$3.00	\$3.00	\$3.00
Total Kjeldhal Nitrogen	0.5	mg/L as N	SM 4500-Norg C	\$24.00	\$24.00	\$24.00
Temperature (field)	1	C	SM 20 th Ed. 2550 B	\$0.00	\$0.00	\$0.00
Biochemical Oxygen Demand	6 or 3 available please specify	mg/L	SM 5210 B	\$24.00	\$24.00	\$24.00
Total Suspended Solids	5	mg/L	SM 2540 D	\$9.00	\$9.00	\$9.00
Mercury, Total	500	ug/L	SM 3112B	\$42.00 (sub)	\$42.00 (sub)	\$42.00 (sub)
Arsenic, Total	0.005	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Cadmium, Total	0.001	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Chromium, Total	0.002	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Copper, Total	0.002	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Lead, Total	0.005	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Nickel, Total	0.003	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Silver, Total	0.002	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Zinc, Total	0.005	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Total Cyanide	0.005	mg/L	ASTM D7511-09	\$33.00	\$33.00	\$33.00
Total Phosphorus	0.005	mg/L	365.1 EPA	\$15.00	\$15.00	\$15.00
Nitrate plus nitrite-N	0.5	mg/L	353.2 EPA	\$9.00	\$9.00	\$9.00
Element Sample Preparation				\$6.00	\$6.00	\$6.00
Sampling Services Quarterly Cost				\$81.00	\$81.00	\$81.00
Total Quarterly Sampling/Analytical Cost:				\$360.00	\$360.00	\$360.00

*Please Note: Detection Limits and Method/References in bold text reflect edits to the original Invitation to Bid.

Table 4G**Project: Albany Engineered Composite, Industrial Site Sampling/Analytical Costs****85 Innovation Drive – Plant 1****Grab Samples****Sampling/Analysis Costs Fiscal Year July 1-June 30**

FY 2014/2015 FY 2015/2016 FY 2016/2017

Parameter	Detection	Units	Method/Reference	Analytical Price/Event	Analytical Price/Event	Analytical Price/Event
Oil and Grease	5	mg/L	EPA Method 1664	\$42.00	\$42.00	\$42.00
pH (field)	0.05	su	150.1 EPA or SM4500H+B	\$3.00	\$3.00	\$3.00
Total Kjeldhal Nitrogen	0.5	mg/L as N	SM 4500-Norg C	\$24.00	\$24.00	\$24.00
Temperature (field)	1	C	SM 20 th Ed. 2550 B	\$0.00	\$0.00	\$0.00
Biochemical Oxygen Demand	6 or 3 available please specify	mg/L	SM 5210 B	\$24.00	\$24.00	\$24.00
Total Suspended Solids	5	mg/L	SM 2540 D	\$9.00	\$9.00	\$9.00
Mercury, Total	500	ug/L	SM 3112B	\$42.00 (sub)	\$42.00 (sub)	\$42.00 (sub)
Arsenic, Total	0.05	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Cadmium, Total	0.001	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Chromium, Total	0.002	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Copper, Total	0.002	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Lead, Total	0.005	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Nickel, Total	0.003	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Silver, Total	0.002	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Zinc, Total	0.005	mg/L	200.8 EPA	\$9.00	\$9.00	\$9.00
Total Cyanide	0.005	mg/L	ASTM D7511-09	\$33.00	\$33.00	\$33.00
Total Phosphorus	0.005	mg/L	365.1 EPA	\$15.00	\$15.00	\$15.00
Nitrate plus nitrite-N	0.5	mg/L	353.2 EPA	\$9.00	\$9.00	\$9.00
Element Sample Preparation				\$6.00	\$6.00	\$6.00
Sampling Services Quarterly Cost				\$81.00	\$81.00	\$81.00
Total Quarterly Sampling/Analytical Cost:				\$360.00	\$360.00	\$360.00

*Please Note: Detection Limits and Method/References in bold text reflect edits to the original Invitation to Bid.

Authorized Signature



Date

6/18/14

Table 5**ANNUAL TCLP**

The following sampling and analytical services are required. A quotation must be provided for each analysis listed. Price shall be quoted for sample collection, field measurement and analysis of the City of Rochester Wastewater Treatment Facility's Influent and Vortex Grit TCLP testing on an annual basis. If a subcontractor will be used for these analyses, this must be indicated with the final cost quoted.

**Project: Annual TCLP for Influent & Grit Vortex
Sampling/Analysis Cost Fiscal Year July 1-June 30**

FY 2014/2015 FY 2015/2016 FY 2016/2017

Parameter	Detection	Units	Method/Reference	Analytical Price/Event	Analytical Price/Event	Analytical Price/Event
pH (field)	0.05	su	150.1 EPA or SM4500H+B	\$9.00	\$9.00	\$9.00
Flashpoint	1	F	1010 SW846 3 rd Ed.	\$27.00	\$27.00	\$27.00
Free Liquids	0.1	%	SW846-9095A	\$10.00	\$10.00	\$10.00
Reactive Cyanide	1	mg/kg	7.3.3.2	\$33.00	\$33.00	\$33.00
Reactive Sulfide	10	mg/kg	7.3.4.2	\$12.00	\$12.00	\$12.00
TCLP Metals Prep			SW846 1311	\$48.00	\$48.00	\$48.00
TCLP Arsenic	0.05	mg/L	SW 846 6010 or 6020	\$9.00	\$9.00	\$9.00
TCLP Barium	0.1	mg/L	SW 846 6010 or 6020	\$9.00	\$9.00	\$9.00
TCLP Cadmium	0.01	mg/L	SW 846 6010 or 6020	\$9.00	\$9.00	\$9.00
TCLP Chromium	0.02	mg/L	SW 846 6010 or 6020	\$9.00	\$9.00	\$9.00
TCLP Lead	0.05	mg/L	SW 846 6010 or 6020	\$9.00	\$9.00	\$9.00
TCLP Mercury	0.03	mg/L	SW 846 6010 or 6020	\$9.00	\$9.00	\$9.00
TCLP Selenium	0.2	mg/L	SW 846 6010 or 6020	\$9.00	\$9.00	\$9.00
TCLP Silver	0.01	mg/L	SW 846 6010 or 6020	\$9.00	\$9.00	\$9.00
TCLP VOCs ZHE		mg/L	SW 846 8260	\$144.00	\$144.00	\$144.00
TCLP 1,2- dichloroethane	0.01	mg/L	SW 846 8260	Incl. in TCLP VOCs	Incl. in TCLP VOCs	Incl. in TCLP VOCs
TCLP 1,1-dichloroethene	0.01	mg/L	SW 846 8260	Incl. in TCLP VOCs	Incl. in TCLP VOCs	Incl. in TCLP VOCs
TCLP 1,4-dichlorobenzene	0.01	mg/L	SW 846 8260	Incl. in TCLP VOCs	Incl. in TCLP VOCs	Incl. in TCLP VOCs
TCLP Benzene	0.01	mg/L	SW 846 8260	Incl. in TCLP VOCs	Incl. in TCLP VOCs	Incl. in TCLP VOCs
TCLP carbon tetrachloride	0.01	mg/L	SW 846 8260	Incl. in TCLP VOCs	Incl. in TCLP VOCs	Incl. in TCLP VOCs

*Please Note: Detection Limits and Method/References in bold text reflect edits to the original Invitation to Bid.

Table 5

FY 2014/2015 FY 2015/2016 FY 2016/2017

Parameter	Detection	Units	Method/Reference	Analytical Price/Event	Analytical Price/Event	Analytical Price/Event
TCLP chlorobenzene	0.01	mg/L	SW 846 8260	Incl. in TCLP VOCs	Incl. in TCLP VOCs	Incl. in TCLP VOCs
TCLP chloroform	0.01	mg/L	SW 846 8260	Incl. in TCLP VOCs	Incl. in TCLP VOCs	Incl. in TCLP VOCs
TCLP methyl ethyl ketone	0.03	mg/L	SW 846 8260	Incl. in TCLP VOCs	Incl. in TCLP VOCs	Incl. in TCLP VOCs
TCLP tetrachloroethene	0.01	mg/L	SW 846 8260	Incl. in TCLP VOCs	Incl. in TCLP VOCs	Incl. in TCLP VOCs
TCLP trichloroethene	0.01	mg/L	SW 846 8260	Incl. in TCLP VOCs	Incl. in TCLP VOCs	Incl. in TCLP VOCs
TCLP vinyl chloride	0.01	mg/L	SW 846 8260	Incl. in TCLP VOCs	Incl. in TCLP VOCs	Incl. in TCLP VOCs
TCLP ABN		mg/L	EPA SW 846 Method 8270D	\$132.00	\$132.00	\$132.00
TCLP o-cresol	0.004	mg/L	EPA SW 846 Method 8270D	Incl. in TCLP ABN	Incl. in TCLP ABN	Incl. in TCLP ABN
TCLP m-cresol	0.004	mg/L	EPA SW 846 Method 8270D	Incl. in TCLP ABN	Incl. in TCLP ABN	Incl. in TCLP ABN
TCLP p-cresol	0.004	mg/L	EPA SW 846 Method 8270D	Incl. in TCLP ABN	Incl. in TCLP ABN	Incl. in TCLP ABN
TCLP cresol	0.004	mg/L	EPA SW 846 Method 8270D	Incl. in TCLP ABN	Incl. in TCLP ABN	Incl. in TCLP ABN
TCLP 2,4-dinitrotoluene	0.004	mg/L	EPA SW 846 Method 8270D	Incl. in TCLP ABN	Incl. in TCLP ABN	Incl. in TCLP ABN
TCLP hexachlorobenzene	0.004	mg/L	EPA SW 846 Method 8270D	Incl. in TCLP ABN	Incl. in TCLP ABN	Incl. in TCLP ABN
TCLP hexachloro-1,3-butadiene	0.004	mg/L	EPA SW 846 Method 8270D	Incl. in TCLP ABN	Incl. in TCLP ABN	Incl. in TCLP ABN
TCLP hexachloroethane	0.004	mg/L	EPA SW 846 Method 8270D	Incl. in TCLP ABN	Incl. in TCLP ABN	Incl. in TCLP ABN
TCLP nitrobenzene	0.004	mg/L	EPA SW 846 Method 8270D	Incl. in TCLP ABN	Incl. in TCLP ABN	Incl. in TCLP ABN
TCLP pentachlorophenol	0.005	mg/L	EPA SW 846 Method 8270D	Incl. in TCLP ABN	Incl. in TCLP ABN	Incl. in TCLP ABN
TCLP pyridine	0.015	mg/L	EPA SW 846 Method 8270D	Incl. in TCLP ABN	Incl. in TCLP ABN	Incl. in TCLP ABN
TCLP 2,4,5-trichlorophenol	0.004	mg/L	EPA SW 846 Method 8270D	Incl. in TCLP ABN	Incl. in TCLP ABN	Incl. in TCLP ABN
TCLP 2,4,6-trichlorophenol	0.004	mg/L	EPA SW 846 Method 8270D	Incl. in TCLP ABN	Incl. in TCLP ABN	Incl. in TCLP ABN
TCLP Pesticides		mg/L	SW 846 8081A	\$120.00	\$120.00	\$120.00
TCLP Endrin	0.005	mg/L	SW 846 8081A	Incl. in TCLP Pest.	Incl. in TCLP Pest.	Incl. in TCLP Pest.
TCLP Heptachlor	0.005	mg/L	SW 846 8081A	Incl. in TCLP Pest.	Incl. in TCLP Pest.	Incl. in TCLP Pest.
TCLP Heptachlor epoxide	0.005	mg/L	SW 846 8081A	Incl. in TCLP Pest.	Incl. in TCLP Pest.	Incl. in TCLP Pest.
TCLP Lindane	0.005	mg/L	SW 846 8081A	Incl. in TCLP Pest.	Incl. in TCLP Pest.	Incl. in TCLP Pest.
TCLP Methoxychlor	0.05	mg/L	SW 846 8081A	Incl. in TCLP Pest.	Incl. in TCLP Pest.	Incl. in TCLP Pest.
TCLP Toxaphene	0.005	mg/L	SW 846 8081A	Incl. in TCLP Pest.	Incl. in TCLP Pest.	Incl. in TCLP Pest.
TCLP Chlordane	0.005	mg/L	SW 846 8081A	Incl. in TCLP Pest.	Incl. in TCLP Pest.	Incl. in TCLP Pest.
Annual Sampling/Analytical Cost:				\$897.00	\$897.00	\$897.00

*Please Note: Detection Limits and Method/References in bold text reflect edits to the original Invitation to Bid.

Authorized Signature Michael P. Swartz / President
Date 6/18/14

Table 6**SLUDGE**

Section A. Volatile Organic compounds METHOD USED: 8260B Reporting Limits will reflect lowest possible given the percent solids of the sample.

	FY 2014/2015	FY 2015/2016	FY 2016/2017
ANALYTICAL COST:	\$99.00	\$99.00	\$ 99.00
SAMPLING COST:	\$ *	\$ *	\$ *

* Refer to sampling service cost in Table 6, Section H.

Compound	Det Limit mg/kg		Compound	Det Limit mg/kg
Dichlorodifluoromethane	1		Chloromethane	0.7
Vinyl chloride	0.4		Bromomethane	0.3
Chloromethane	1		Trichlorofluoromethane	1
Diethyl ether	5		Acetone	5
1,1-Dichloroethene	0.5		Methylene chloride	0.1
Carbon disulfide	0.2		Methyl-tert-butyl ether	2
Trans-1,2-Dichloroethene	1		1,1-Dichloroethane	1
2-Butanone	1		2,2-Dichloropropane	1
Cis-1,2-Dichloroethene	1		Chloroform	0.1
Bromochloromethane	1		Tetrahydrofuran	1
1,1,1-Trichloroethane	1		1,2-Dichloropropene	1
Carbon tetrachloride	1		1,2-Dichloroethane	0.08
Benzene	0.3		Trichloroethene	0.8
1,2-Dichloropropane	0.1		Dichlorobromomethane	0.02
Dibromomethane	1		4-Methyl-2-pentanone	1
Cis-1,3-Dichloropropene	0.5		Toluene	1
Trans-1,3-Dichloropropene	0.5		1,1,2-Trichloroethane	0.1
2-Hexanone	5		1,3-Dichloropropane	1
Tetrachloroethene	1		Dibromochloromethane	0.01
1,2-Dibromoethane	0.09		Chlorobenzene	1
1,1,1,2-Tetrachloroethane	1		Ethylbenzene	1
M&p-Xylene	10		o-Xylene	5
Styrene	1		Bromoform	0.1

Table 6 (continued)

Compound	Det Limit mg/kg		Compound	Det Limit mg/kg
Isopropylbenzene	5		1,1,2,2-Tetrachloroethane	0.02
1,2,3-Trichloropropane	1		n-Propylbenzene	5
Bromobenzene	1		1,3,5-Trimethylbenzene	5
2-Chlorotoluene	1		4-Chlorotoluene	1
Tert-Butylbenzene	4		1,2,4-Trimethylbenzene	5
Sec-Butylbenzene	5		p-Isopropyltoluene	5
1,3-Dichlorobenzene	5		1,4-Dichlorobenzene	5
n-Butylbenzene	5		1,2-Dichlorobenzene	5
1,2-Dibromo-3-chloroprop	0.02		1,2,4-Trichlorobenzene	2
Hexachlorobuadiene	0.2		1,2,4-Trichlorobenzene	2
1,2,3-Trichlorobenzene	2		Naphthalene	5

Section B. Semi-volatile Compounds METHOD USED: 8270D Reporting Limits will reflect lowest possible given the percent solids of the sample.

	FY 2014/2015	FY 2015/2016	FY 2016/2017
ANALYTICAL COST:	\$ <u>210.00</u>	\$ <u>210.00</u>	\$ <u>210.00</u>
SAMPLING COST:	\$ <u>*</u>	\$ <u>*</u>	\$ <u>*</u>

* Refer to sampling service cost in Table 6, Section H.

Compound	Det Limit mg/kg		Compound	Det Limit mg/kg
1,2-Diphenylhydrazine	1.7		2,4,5-Trichlorophenol	5
2,4,6-Trichlorophenol	1.7		2,4-Dichlorophenol	1.7
2,4-Dimethylphenol	2		2,4-Dinitrophenol	12
2,4-Dinitrotoluene	1.7		2,6-Dinitrotoluene	1.7

Table 6 (continued)

Section C. Pesticides METHOD USED: 8081A Reporting Limits will reflect lowest possible given the percent solids of the sample.

	FY 2014/2015	FY 2015/2016	FY 2016/2017
ANALYTICAL COST:	\$84.00	\$ 84.00	\$ 84.00
SAMPLING COST:	\$ *	\$ *	\$ *

* Refer to sampling service cost in Table 6, Section H.

Compound	Det Limit mg/kg		Compound	Det Limit mg/kg
Aldrin	0.09		Gamma-BHC (Lindane)	0.09
Alpha-BHC	0.06		Delta-BHC	0.09
Beta-BHC	0.06		Chlordane	0.08
4,4'-DDT	0.09		4,4'-DDE	0.07
4,4'-DDD	0.07		Alpha-Endosulfan	0.07
Beta-Endosulfan	0.07		Endosulfan sulfate	0.07
Endrin	0.7		Endrin aldehyde	0.07
Heptachlor	.02		Heptachlor epoxide	.07
Toxaphene	0.08			

Section D. PCB's METHOD USED: 8082A Reporting Limits will reflect lowest possible given the percent solids of the sample.

	FY 2014/2015	FY 2015/2016	FY 2016/2017
ANALYTICAL COST:	\$63.00	\$63.00	\$ 63.00
SAMPLING COST:	\$ *	\$ *	\$ *

* Refer to sampling service cost in Table 6, Section H.

Compound	Det Limit mg/kg		Compound	Det Limit mg/kg
PCB-1242	0.7		PCB-1254	0.7
PCB-1221	0.7		PCB-1232	.07
PCB-1248	.07		PCB-1260	0.7

Table 6 (continued)

Section E. Metals

METHOD USED: 6020A Reporting Limits will reflect lowest possible given the percent solids of the sample.

	FY 2014/2015	FY 2015/2016	FY 2016/2017
ANALYTICAL COST:	\$ <u>126.00</u>	\$ <u>126.00</u>	\$ <u>126.00</u>
SAMPLING COST:	\$ <u>*</u>	\$ <u>*</u>	\$ <u>*</u>

* Refer to sampling service cost in Table 6, Section H.

Metals*	Det Limit mg/kg		Metals*	Det Limit mg/kg
Total Arsenic	10		Total Cadmium	1
Total Chromium	10		Total Copper	10
Total Lead	11		Total Mercury	0.05
Total Molybdenum	18		Total Nickel	10
Total Antimony	8		Total Zinc	0.01
Total Silver	4		Total Thallium	10
*Metals price per sample must include required digestion.				
Section F. Additional Analyses				

Section F. Dioxins

METHOD USED: 1613A (Sub)

	FY 2014/2015	FY 2015/2016	FY 2016/2017
ANALYTICAL COST:	\$ <u>738.00</u>	\$ <u>738.00</u>	\$ <u>738.00</u>
SAMPLING COST:	\$ <u>*</u>	\$ <u>*</u>	\$ <u>*</u>

* Refer to sampling service cost in Table 6, Section H.

Compound	Det Limit		Compound	Det Limit mg/kg
2,3,7,8 TCDF	5		Remaining congeners of 2,3,7,8 TCDD	5

Table 6 (continued)

Section G. Total Cyanide

METHOD USED: 4500CN-E

	FY 2014/2015	FY 2015/2016	FY 2016/2017
ANALYTICAL COST:	\$39.00	\$39.00	\$ 39.00
SAMPLING COST:	\$ *	\$ *	\$ *

* Refer to sampling service cost in Table 6, Section H.

Section H. Additional Analyses

ANALYTICAL COSTS

Parameter	Det Limit mg/kg	Method	FY 2014/2015	FY 2015/2016	FY 2016/2017
pH		9045	\$9.00	\$9.00	\$9.00
Percent Solids		2540G-91	\$9.00	\$9.00	\$9.00
Nitrate-nitrite	30	353.2	\$15.00	\$15.00	\$15.00
Total Kjeldahl Nitrogen	300	4500NorgC/NH3D-97	\$30.00	\$30.00	\$30.00
Ammonia Nitrogen	30	4500NH3D-97	\$21.00	\$21.00	\$21.00
Total Organic Carbon		9060	\$54.00 (sub)	\$54.00 (sub)	\$54.00 (sub)
Potassium	15	6020A	\$9.00	\$9.00	\$9.00
Phosphorus	15	6020A	\$9.00	\$9.00	\$9.00
Sampling Service Cost			\$315.00	\$315.00	\$315.00
Total Sampling/Analytical Cost for Full Exhibit A-4 Sludge Analysis:			\$1830.00	\$1830.00	\$1830.00

Authorized Signature

Michael P. Ametto / President

Date

6/18/14

ATTACHMENT A - INSTRUCTION TO BIDDERS**PREPARATION OF BID PROPOSAL**

1. The Bidder shall submit her/his proposal upon the form(s) furnished by the City (attached). The bidder shall specify a unit price for each pay item. All figures shall be in ink or typed.
2. If a unit price or lump sum bid already entered by the bidder on the proposal form is to be altered it should be crossed out with ink, the new unit price or lump sum bid entered above or below it, and initialed by the bidder, also with ink. In case of discrepancy between the prices written in words and those written in figures, the prices written in words shall govern.
3. The bidder's proposal must be signed with ink by the individual, by one or more members of the partnership, by one or more members or officers of each firm representing a joint venture, by one or more officers of a corporation, or by an agent of the contractor legally qualified and acceptable to the owner. If the proposal is made by an individual, his name and post office address must be shown, by a partnership the name and post office address of each partnership member must be shown; as a joint venture, the name and post office address of each must be shown; by a corporation, the name of the corporation and its business address must be shown, together with the name of the state in which it is incorporated, and the names, titles, and business addresses of the President, Secretary, and Treasurer.
4. All questions shall be submitted in writing to and received by the Purchasing Agent at the above address, a minimum of 7 days prior to the scheduled bid opening. The Purchasing Agent, will then forward both the question and the city's response to the question to all known prospective bidders.

IRREGULAR PROPOSALS

Bid proposals will be considered irregular and may be rejected for any of the following reasons:

1. If the proposal is on a form other than that furnished by the Owner or if the form is altered or any part thereof is detached.
2. If there are unauthorized additions, conditional or alternate bids, or irregularities of any kind which may tend to make the proposal incomplete, indefinite or ambiguous as to its meaning.
3. If the bidder adds any provisions reserving the right to accept or reject an award, or to enter into a contract pursuant to an award.
4. If the proposal does not contain a unit price for each pay item listed, except in the case of authorized alternate pay items.

DELIVERY OF BID PROPOSALS

When sent by mail, the sealed proposal shall be addressed to the City of Rochester, Purchasing Agent, 31 Wakefield Street, Rochester, NH 03867. All proposals shall be filed prior to the time and at the place specified in the invitation for bids. Proposals received after the time for opening of the bids will be returned to the bidder, unopened. Emailed or faxed bid proposals are not acceptable.

WITHDRAWAL OF BID PROPOSALS

A bidder will be permitted to withdraw his proposal unopened after it has been deposited if such request is received in writing prior to the time specified for opening the proposals.

PUBLIC OPENING OF BID PROPOSALS

Proposals will be opened and read publicly at the time and place indicated in the invitation for bids. Bidders, their authorized agents, and other interested parties are invited to be present.

BID FORM / CONTRACT**3 of 3 pages to be included with Quotation Summary and Tables 1-6**

OFFER: The undersigned hereby offers to perform services for the City of Rochester, NH as specified at the prices quoted in attached tables, 1 through 6 and as complete in accordance with the provisions set forth in this bid document and the preceding Attachment A

Return one copy of the bidder qualification requirements materials together with two sealed copies of this 3 page BID FORM / CONTRACT with Quotation Summary and TABLES 1 THROUGH 6 attached. They must be in a sealed envelope addressed as specified in the invitation to bid.

Business Name: Absolute Resource Associates Representative: Susan Sylvester
(printed name)

Authorized Signature: Susan Sylvester Date: 6-18-14

Address: 124 Heritage Ave Portsmouth NH 03801

Telephone # 603-436-2001 Fax# 603-430-2100

ACCEPTED: CITY OF ROCHESTER, NEW HAMPSHIRE

Dan Fitzpatrick, City Manager Date _____

Description	Events/yr	FY 2014/2015	FY 2015/2016	FY 2016/2017	Total Cost: Sum of 3 yrs
		Cost/event	Cost/event	Cost/event	
Table 1: WWTF Lagoon Semi-Annual-April & Nov Per Well/Analytical Cost 2 Per Well/Sampling Cost 2	2/Analytical	\$362 ⁷³⁸ \$	\$ 738	\$ 738	\$ 2214
	2/Sampling	\$ 300	\$ 310	\$ 320	\$ 930
Table 2: NPDES Treatment Plant Inf/Eff Quarterly-Jan, April, July, Oct Quarterly/Analytical Cost 4 Quarterly/Sampling Cost 4	8/Analytical	\$ 5616	\$ 5616	\$ 5616	\$ 16848
	8/Sampling	\$ 4120	\$ 4160	\$ 4200	\$ 12480
Table 3: Total Ammonia as NH3 - NPDES Three (3) times per week Per Sample/Analytical Cost 156	156/Analytical	2808	2808	2808	8424
	NA/Sampling	\$ —	\$ —	\$ —	\$ —
Table 4A: Lydall-Rochester Quarterly-Jan, Apr, July, Oct Quarterly/Analytical Cost 4 Quarterly/Sampling Cost 4	4/Analytical	\$ 1724	\$ 1724	\$ 1724	\$ 5172
	4/Sampling	\$ 1400	\$ 1500	\$ 1520	\$ 4420
Table 4B: Thompson Investment Casting Quarterly-Jan, Apr, July, Oct Quarterly/Analytical Cost 4 Quarterly/Sampling Cost 4	4/Analytical	\$ 1128	\$ 1128	\$ 1128	\$ 3384
	4/Sampling	\$ 1400	\$ 1500	\$ 1520	\$ 4420
Table 4C: Turnkey Quarterly-Jan, Apr, July, Oct Quarterly/Analytical Cost 4 Quarterly/Sampling Cost 4	4/Analytical	\$ 1712	\$ 1712	\$ 1712	\$ 5136
	4/Sampling	\$ 1400	\$ 1500	\$ 1520	\$ 4420
Table 4D: Bacon Felt Company Quarterly-Jan, Apr, July, Oct Quarterly/Analytical Cost 4 Quarterly/Sampling Cost 4	4/Analytical	\$ 448	\$ 448	\$ 448	\$ 1344
	4/Sampling	\$ 300	\$ 300	\$ 300	\$ 900

Description	Events/yr	FY 2014/2015	FY 2015/2016	FY 2016/2017	Total Cost Sum of 3 yrs
		Cost	Cost	Cost	
Table 4E: Frisbie Memorial Hospital Semi-Annual-April & Nov	4/Analytical	\$ 148	\$ 148	\$ 148	\$ 444
Per Well Analytical Cost 4					
Per Well Sampling cost 4	4/Sampling	\$ 300	\$ 300	\$ 300	\$ 900
Table 4F: Albany Engineered Composites – Building 1	8/Analytical	\$ 2400	\$ 2400	\$ 2400	\$ 7200
Quarterly-Jan, April, July, Oct					
Quarterly/Analytical Cost 4					
Quarterly/Sampling Cost 4	8/Sampling	\$ 600	\$ 600	\$ 600	\$ 1800
Table 4G: Albany Engineered Composites – Plant 1	8/Analytical	2376	2376	2376	7128
Quarterly-Jan, April, July, Oct					
Quarterly/Analytical Cost 4					
Quarterly/Sampling Cost 4	8/Sampling	\$ 600	\$ 600	\$ 600	\$ 1800
Table 5: TCLP-Influent & Vortex Grit		\$ 562	\$ 562	\$ 562	\$ 1686
Quarterly-Jan, Apr, July, Oct	1/Analytical				
Quarterly/Analytical Cost 1					
Quarterly Sampling Cost 1	1/Sampling	\$ 75	\$ 75	\$ 75	\$ 225
Table 6: Sludge As Required	1/Analytical	\$ 1436	\$ 1436	\$ 1436	\$ 4308
Per Event Analytical Cost (as required)					
Per Event Sampling Cost (as required)	1/Sampling	\$ 300	\$ 300	\$ 300	\$ 900

Table 1**WWTP LAGOON GROUNDWATER SAMPLING/ANALYSIS**

The following sampling and analytical services are required. A quotation must be provided for each analysis listed. Price shall be quoted for sample collection, field measurement and analysis of the City of Rochester Wastewater Treatment Facility's four (4) Groundwater Monitoring wells on a semi-annual basis, during the first week of April and November. If a subcontractor will be used for these analyses, this must be indicated with the final cost quoted.

Project: Lagoon Groundwater Monitoring Wells, Permit # GWP-198495011-R-005

Sampling/Analysis Costs Fiscal Year July 1-June 30

TABLE 1

FY 2014/2015 FY 2015/2016 FY 2016/2017

Parameter	Detection	Units	Method/Reference	Analytical Price/Well	Analytical Price/Well	Analytical Price/Well
pH (field)	0.05	su	150.1 EPA 600/4 79 020	\$	\$	\$
Cadmium, Dissolved	0.001	mg L	200.8 EPA	\$ 15	\$ 15	\$ 15
Chromium, Dissolved	0.001	mg L	200.8 EPA	\$ 15	\$ 15	\$ 15
Lead, Dissolved	0.003	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Silver, Dissolved	0.001	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Total Kjeldhal Nitrogen	0.1	mg/L as N	SM 4500-Norg C	\$ 30	\$ 30	\$ 30
Chloride	5	mg L	300 EPA	\$ 12	\$ 12	\$ 12
Nitrate	0.05	mg L as N	SM 4500-NO3 F	\$ 12	\$ 12	\$ 12
Conductance @ 25 C	0.1	umhos/cm	120.1 EPA 600 4 79 020	\$	\$	\$
Temperature (field)	1	C	SM 20 th Ed. 2550 B	\$	\$	\$
Arsenic, Dissolved	0.003	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Antimony, Dissolved	0.003	mg L	200.8 EPA	\$ 15	\$ 15	\$ 15
Barium, Dissolved	0.0005	mg L	200.8 EPA	\$ 15	\$ 15	\$ 15
Beryllium, Dissolved	0.0005	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Mercury, Dissolved	0.01	ug l	245.7 EPA	\$ 15	\$ 15	\$ 15

Table 1 (continued)

FY 2014/2015 FY 2015/2016 FY 2016/2017

Parameter	Detection	Units	Method/Reference	Analytical Price/Well	Analytical Price/Well	Analytical Price/Well
Nickel, Dissolved	0.001	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Thallium, Dissolved	0.008	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Selenium, Dissolved	0.005	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Nitrite	0.05	mg/L as N	SM 4500-NO3 F	\$ 12	\$ 12	\$ 12
VOC's Petroleum & Hazardous Waste Remediation Full List of Analytes	2	ug/L	EPA SW 846, 3 rd Edition Method 8260	\$ 69	\$ 69	\$ 69
Biochemical Oxygen Demand (BOD ₅)	5	mg/L	SM 5210 B	\$ 30	\$ 30	\$ 30
E.coli Bacteria		CFU/100mL	1603 EPA, SM9213 D	\$ 24	\$ 24	\$ 24
Static Water Level Elevation (ft)				\$ 0	\$ 0	\$
Sampling Services/Per Well				\$ 150	\$ 150 135	\$ 160
Total per Well Cost Sampling/Analytical Cost:				\$ 519	\$ 524	\$ 524

Authorized Signature



6-18-14

Date

Table 2**QUARTERLY & WEEKLY SAMPLING**

The following sampling and analytical services are required. A quotation must be provided for each analysis listed. Price shall be quoted for sample collection & field measurement & analysis of the City of Rochester Wastewater Treatment Facility's influent and effluent, and seven (7) industrial outfalls on a quarterly basis, and weekly effluent ammonia.

In the event that an industry violates its permit limit, a resample/retest must be performed within thirty (30) days for those parameters only. If a subcontractor will be used for these analyses, it must be indicated for each analyte with the final cost quoted.

Project: Quarterly Influent & Effluent-Sampling/Analytical Costs**Grab Samples****Fiscal Year July 1-June 30****FY 2014/2015 FY 2015/2016 FY 2016/2017**

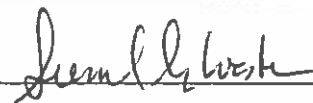
Parameter	Detection	Units	Method/Reference	Analytical Price/Event	Analytical Price/Event	Analytical Price/Event
Oil and Grease, Total Recoverable	5	mg/L	EPA Method 1664	\$ 37	\$ 37	\$ 37
Cyanide, Total	0.005	mg/L	SM4500-CN C	\$ 23	\$ 23	\$ 23
Hexavalent Chromium	0.005	mg/L	SM 3500-Cr D	\$ 21	\$ 21	\$ 21
Total Suspended Solids	5	mg/L	SM 2540D	\$ 12	\$ 12	\$ 12
pH (field)	0.05	su	150.1 EPA 600/4-79/020	\$ 0	\$ 0	\$ 0
Chloride	5	mg/L	300 EPA	\$ 12	\$ 12	\$ 12
Total Phosphorus	0.005	mg/L	SM 4500-P E	\$ 18	\$ 18	\$ 18
Cadmium, Total	0.001	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Copper, Total	0.002	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Lead, Total	0.002	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Silver, Total	0.002	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Zinc, Total	0.002	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Biochemical Oxygen Demand	5	mg/L	SM 5210 B	\$ 30	\$ 30	\$ 30
Carbonaceous Biochemical Oxygen Demand	5	mg/L	SM 5210 B	\$ 30	\$ 30	\$ 30
Total Kjeldahl Nitrogen	0.1	mg L as N	SM 4500-Norg C	\$ 30	\$ 30	\$ 30
Temperature (field)	1	C	SM 20 th Ed. 2550 B	\$ 0	\$ 0	\$ 0
Sulfate	0.01	mg/L	EPA 300	\$ 12	\$ 12	\$ 12
Sulfide	0.04	mg/L	SM 4500 S 2 D	\$ 18	\$ 18	\$ 18

Table 2 (continued)

FY 2014/2015 FY 2015/2016 FY 2016/2017

Parameter	Detection	Units	Method/Reference	Analytical Price/Event	Analytical Price/Event	Analytical Price/Event
Total Phenol	0.05	mg/L	420.1 EPA	\$ 24	\$ 24	\$ 24
Ammonia-N	0.1	mg/L as N	SM 4500-NH3 G	\$ 18	\$ 18	\$ 18
Mercury, Total	0.01	ug/L	245.7 EPA	\$ 15	\$ 15	\$ 15
Arsenic, Total	0.005	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Beryllium, Total	0.001	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Boron, Total	0.03	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Calcium, Total	0.03	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Chromium, Total	0.002	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Aluminum, Total	0.05	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Iron, Total	0.005	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Manganese, Total	0.005	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Nickel, Total	0.003	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Selenium, Total	0.005	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Sodium, Total	1	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Copper, Dissolved	0.002	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Lead, Dissolved	0.005	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Zinc, Dissolved	0.002	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Nitrate	1	mg/L as N	SM 4500-NO3 F	\$ 12	\$ 12	\$ 12
Nitrite	0.05	mg/L as N	SM 4500-NO3 F	\$ 12	\$ 12	\$ 12
Nitrate plus nitrite-N	0.05	mg/L as N	SM 4500-NO3 F	\$ 0	\$ 0	\$ 0
Total Nitrogen (calculation)				\$ 0	\$ 0	\$ 0
Orthophosphate Phosphorus	0.005	mg/L	SM 4500-PE	\$ 12	\$ 12	\$ 12
Dissolved Inorganic Nitrogen				\$ 0	\$ 0	\$ 0
Organic Nitrogen				\$ 0	\$ 0	\$ 0
Chlorophyll a	0.1	ug/L		\$ 12	\$ 12	\$ 12
Volatile Organics	5	ug/L	EPA Method 624	\$ 69	\$ 69	\$ 69
Element Sample Preparation				\$ 0	\$ 0	\$ 0
Sampling Services Quarterly Cost				\$ 515	\$ 520	\$ 525
Total Quarterly Sampling/Analytical Cost:				\$ 1217	\$ 1222	\$ 1227

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6-18-14

Date

Table 3**Project: Weekly Ammonia (3 samples per week)****Analytical Costs: Fiscal Year July 1-June 30**

FY 2014/2015 FY 2015/2016 FY 2016/2017

Parameter	Samples per week	Detection Limit	Units	Method/Reference	Analytical Price/week	Analytical Price/week	Analytical Price/week
Ammonia-N-distilled	3	0.1	mg/L	SM 4500-NH3 G	\$ 54	\$ 54	\$ 54
Annual Total (52 weeks/year):					\$ 2808	\$ 2808	\$ 2808

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Date

6-18-14

Table 4A**Project: Lydall-Rochester, Industrial Site-Sampling/Analytical Costs****Grab & Composite Samples****Fiscal Year July 1- June 30**

FY 2014/2015 FY 2015/2016 FY 2016/2017

Parameter	Detection	Units	Method/Reference	Analytical Price/Event	Analytical Price/Event	Analytical Price/Event
Oil and Grease	5	mg/L	EPA Method 1664	\$ 37	\$ 37	\$ 37
Total Suspended Solids	2.5	mg/L	SM 2540D	\$ 12	\$ 12	\$ 12
pH (field)	0.05	su	150.1 EPA 600/4/79/020	\$ 0	\$ 0	\$ 0
Total Phosphorus	0.05	mg/L	SM 4500-P E	\$ 18	\$ 18	\$ 18
Cadmium, Total	0.001	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Copper, Total	0.002	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Lead, Total	0.005	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Silver, Total	0.002	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Zinc, Total	0.002	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Biochemical Oxygen Demand	5	mg/L	SM 5210 B	\$ 30	\$ 30	\$ 30
Total Kjeldahl Nitrogen	0.2	mg/L as N	SM 4500-Norg C	\$ 30	\$ 30	\$ 30
Temperature (field)	1	C	SM 20 th Ed. 2550 B	\$ 0	\$ 0	\$ 0
Semi-volatile Organics	5	ug/L	EPA 625	\$ 145	\$ 145	\$ 145
Volatile Organics	5	ug/L	EPA Method 624	\$ 69	\$ 69	\$ 69
Turbidity	0.05	ntu	SM 2130 B	\$ 15	\$ 15	\$ 15
Sampling Services Quarterly Cost				\$ 350	\$ 375	\$ 380
Total Quarterly Sampling/Analytical Cost:				\$ 781	\$ 806	\$ 811

Table 4B

Project: Thompson Investment Casting, Industrial Site-Sampling/Analytical Costs
Grab & Composite Samples
Fiscal Year July 1- June 30

FY 2014/2015 FY 2015/2016 FY 2016/2017

Parameter	Detection	Units	Method/Reference	Analytical Price/Event	Analytical Price/Event	Analytical Price/Event
Oil and Grease	5	mg/L	EPA Method 1664	\$ 37	\$ 37	\$ 37
Total Cyanide	0.005	mg/L	SM 4500-CN C	\$ 23	\$ 23	\$ 23
pH (field)	0.05	su	150.1 EPA 600/4/79/020	\$ 0	\$ 0	\$ 0
Total Phosphorus	0.005	mg/L	SM 4500-P E	\$ 18	\$ 18	\$ 18
Cadmium, Total	0.001	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Chromium, Total	0.002	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Copper, Total	0.002	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Lead, Total	0.005	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Nickel, Total	0.003	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Silver, Total	0.001	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Zinc, Total	0.002	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Total Kjeldhal Nitrogen	0.1	mg/L as N	SM 4500-Norg C	\$ 30	\$ 30	\$ 30
Temperature (field)	1	C	SM 20 th Ed. 2550 B	\$ 0	\$ 0	\$ 0
Volatile Organics	5	ug/L	EPA Method 624	\$ 61	\$ 61	\$ 61
Sampling Services Quarterly Cost				\$ 350	\$ 375	\$ 380
Total Quarterly Sampling/Analytical Cost:				\$ 632	\$ 657	\$ 662

TABLE 4C

Project: Turnkey Recycling & Environmental Enterprises, Industrial Site
Grab & Composite Samples
Sampling/Analytical Costs Fiscal Year July 1- June 30

FY 2014/2015 FY 2015/2016 FY 2016/2017

Parameter	Detection	Units	Method/Reference	Analytical Price/Event	Analytical Price/Event	Analytical Price/Event
Oil and Grease	5	mg/L	EPA Method 1664	\$ 37	\$ 37	\$ 37
pH (field)	0.05	su	150.1 EPA 600/4-79/020	\$ 0	\$ 0	\$ 0
Mercury, Total	0.01	ug/L	245.7 EPA	\$ 15	\$ 15	\$ 15
Arsenic, Total	0.005	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Cadmium, Total	0.001	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Copper, Total	0.002	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Lead, Total	0.005	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Chromium, Total	0.002	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Silver, Total	0.002	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Zinc, Total	0.002	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Nickel, Total	0.003	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Total Cyanide	0.005	mg/L	SM 4500-CN C	\$ 23	\$ 23	\$ 23
Total Phosphorus	0.005	mg/L	SM 4500-P E	\$ 18	\$ 18	\$ 18
Total Kjeldhal Nitrogen	0.1	mg/L as N	SM 4500-Norg C	\$ 30	\$ 30	\$ 30
Biochemical Oxygen Demand	5	mg/L	SM 5210 B	\$ 30	\$ 30	\$ 30
Total Suspended Solids	5	mg/L	SM 2540 D	\$ 12	\$ 12	\$ 12
Temperature (field)	1	C	SM 20 th Ed. 2550 B	\$ 0	\$ 0	\$ 0
Nitrate plus nitrite-N	0.05	mg/L as N	SM 4500-NO3 F	\$ 15	\$ 15	\$ 15
UV Absorbance @ 254nm	0.005	Abs/cm	SM 5910 B	\$ 12	\$ 12	\$ 12
% Transmittance (calculation)				\$ 0	\$ 0	\$ 0
Sampling Services Quarterly Cost				\$ 350	\$ 375	\$ 380
Total Quarterly Sampling/Analytical Cost:				\$ 350	\$ 375	\$ 380

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TABLE 4D**Project: Bacon Felt Company, Industrial Site-Sampling/Analytical Costs****Grab Samples****Sampling/Analytical Costs Fiscal Year July 1- June 30**

FY 2014/2015 FY 2015/2016 FY 2016/2017

Parameter	Detection	Units	Method/Reference	Analytical Price/Event	Analytical Price/Event	Analytical Price/Event
Oil and Grease	5	mg/L	EPA Method 1664	\$ 37	\$ 37	\$ 37
pH (field)	0.05	su	150.1 EPA 600/4/79-020	\$ 0	\$ 0	\$ 0
Cadmium, Total	0.001	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Copper, Total	0.002	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Lead, Total	0.005	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Silver, Total	0.002	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Zinc, Total	0.002	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Temperature (field)	1	C	SM 20 th Ed. 2550 B	\$ 0	\$ 0	\$ 0
Sampling Services Quarterly Cost				\$ 75	\$ 75	\$ 75
Total Quarterly Sampling/Analytical Cost:				\$ 187	\$ 187	\$ 187

TABLE 4E**Project: Frisbie Memorial Hospital, Industrial Site-Sampling/Analytical Costs****Grab Samples****Sampling/Analytical Costs Fiscal Year July 1- June 30**

FY 2014/2015 FY 2015/2016 FY 2016/2017

Parameter	Detection	Units	Method/Reference	Analytical Price/Event	Analytical Price/Event	Analytical Price/Event
Oil and Grease	5	mg/L	EPA Method 1664	\$ 37	\$ 37	\$ 37
pH (field)	0.05	su	150.1 EPA 600/4/79-020	\$ 0	\$ 0	\$ 0
Temperature (field)	1	C	SM 20 th Ed. 2550 B	\$ 0	\$ 0	\$ 0
Sampling Services Quarterly Cost				\$ 75	\$ 75	\$ 75
Total Quarterly Sampling/Analytical Cost:				\$ 112	\$ 112	\$ 112

TABLE 4F**Project: Albany Engineered Composites, Industrial Site-Sampling/Analytical Costs****112 Airport Drive – Building 1****Grab Samples****Fiscal Year July 1- June 30**

FY 2014/2015 FY 2015/2016 FY 2016/2017

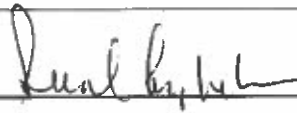
Parameter	Detection	Units	Method/Reference	Analytical Price/Event	Analytical Price/Event	Analytical Price/Event
Oil and Grease	5	mg/L	EPA Method 1664	\$ 37	\$ 37	\$ 37
pH (field)	0.05	su	150.1 EPA 600/4/79/020	\$ 0	\$ 0	\$ 0
Total Kjeldhal Nitrogen	0.1	mg/L as N	SM 4500-Norg C	\$ 30	\$ 30	\$ 30
Temperature (field)	1	C	SM 20 th Ed. 2550 B	\$ 0	\$ 0	\$ 0
Biochemical Oxygen Demand	5	mg/L	SM 5210 B	\$ 30	\$ 30	\$ 30
Total Suspended Solids	5	mg/L	SM 2540 D	\$ 12	\$ 12	\$ 12
Mercury, Total	0.01	ug/L	245.7 EPA	\$ 15	\$ 15	\$ 15
Arsenic, Total	0.005	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Cadmium, Total	0.001	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Chromium, Total	0.002	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Copper, Total	0.002	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Lead, Total	0.005	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Nickel, Total	0.003	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Silver, Total	0.002	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Zinc, Total	0.002	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Total Cyanide	0.005	mg/L	SM 4500-CN C	\$ 23	\$ 23	\$ 23
Total Phosphorus	0.005	mg/L	SM 4500-P E	\$ 18	\$ 18	\$ 18
Nitrate plus nitrite-N	0.05	mg/L	SM 4500-NO3 F	\$ 15	\$ 15	\$ 15
Sampling Services Quarterly Cost				\$ 75	\$ 75	\$ 75
Total Quarterly Sampling/Analytical Cost:				\$ 375	\$ 375	\$ 375

Table 4G**Project: Albany Engineered Composite, Industrial Site Sampling/Analytical Costs****85 Innovation Drive – Plant 1****Grab Samples****Sampling/Analysis Costs Fiscal Year July 1-June 30**

FY 2014/2015 FY 2015/2016 FY 2016/2017

Parameter	Detection	Units	Method/Reference	Analytical Price/Event	Analytical Price/Event	Analytical Price/Event
Oil and Grease	5	mg/L	EPA Method 1664	\$ 37	\$ 37	\$ 37
pH (field)	0.05	su	150.1 EPA 600/1/79/020	\$ 0	\$ 0	\$ 0
Total Kjeldhal Nitrogen	0.1	mg/L as N	SM 4500-Norg C	\$ 30	\$ 30	\$ 30
Temperature (field)	1	C	SM 20 th Ed. 2550 B	\$ 0	\$ 0	\$ 0
Biochemical Oxygen Demand	5	mg/L	SM 5210 B	\$ 30	\$ 30	\$ 30
Total Suspended Solids	5	mg/L	SM 2540 D	\$ 12	\$ 12	\$ 12
Mercury, Total	0.01	ug/L	245.7 EPA	\$ 15	\$ 15	\$ 15
Arsenic, Total	0.05	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Cadmium, Total	0.001	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Chromium, Total	0.002	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Copper, Total	0.002	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Lead, Total	0.005	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Nickel, Total	0.003	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Silver, Total	0.002	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Zinc, Total	0.002	mg/L	200.8 EPA	\$ 15	\$ 15	\$ 15
Total Cyanide	0.005	mg/L	SM 4500-CN C	\$ 23	\$ 23	\$ 23
Total Phosphorus	0.005	mg/L	SM 4500-P E	\$ 18	\$ 18	\$ 18
Nitrate plus nitrite-N	0.05	mg/L	SM 4500-NO3	\$ 12	\$ 12	\$ 12
Sampling Services Quarterly Cost				\$ 75	\$ 75	\$ 75
Total Quarterly Sampling/Analytical Cost:				\$ 372	\$ 372	\$ 372

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Date

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Table 5**ANNUAL TCLP**

The following sampling and analytical services are required. A quotation must be provided for each analysis listed. Price shall be quoted for sample collection, field measurement and analysis of the City of Rochester Wastewater Treatment Facility's Influent and Vortex Grit TCLP testing on an annual basis. If a subcontractor will be used for these analyses, this must be indicated with the final cost quoted.

Project: Annual TCLP for Influent & Grit Vortex
Sampling/Analysis Cost Fiscal Year July 1-June 30

FY 2014/2015 FY 2015/2016 FY 2016/2017

Parameter	Detection	Units	Method/Reference	Analytical Price/Event	Analytical Price/Event	Analytical Price/Event
pH (field)	0.05	su	150.1 EPA 600/4-79-20	\$ 0	\$ 0	\$ 0
Flashpoint	1	F	1010 SW846 3 rd Ed.	\$ 21	\$ 21	\$ 21
Free Liquids	0.1	%	SW846-9095A	\$ 15	\$ 15	\$ 15
Reactive Cyanide	0.05	ug/g dry wt	335.2 EPA 600/4-79-020	\$ 24	\$ 24	\$ 24
Reactive Sulfide	0.05	ug/g dry wt	SM 20 th Ed. 4500- S F	\$ 18	\$ 18	\$ 18
TCLP Arsenic	0.05	mg/L	SW 846 6010	\$ 108	\$ 108	\$ 108
TCLP Barium	0.1	mg/L	SW 846 6010	\$ /	\$ /	\$ /
TCLP Cadmium	0.01	mg/L	SW 846 6010	\$ /	\$ /	\$ /
TCLP Chromium	0.02	mg/L	SW 846 6010	\$ /	\$ /	\$ /
TCLP Lead	0.05	mg/L	SW 846 6010	\$ /	\$ /	\$ /
TCLP Mercury	0.03	mg/L	SW 846 6010	\$ /	\$ /	\$ /
TCLP Selenium	0.2	mg/L	SW 846 6010	\$ /	\$ /	\$ /
TCLP Silver	0.01	mg/L	SW 846 6010	\$ /	\$ /	\$ /
TCLP 1,2- dichloroethane	0.01	mg/L	SW 846 8260	\$ 159	\$ 159	\$ 159
TCLP 1,1-dichloroethene	0.01	mg/L	SW 846 8260	\$ /	\$ /	\$ /
TCLP 1,4-dichlorobenzene	0.01	mg/L	SW 846 8260	\$ /	\$ /	\$ /
TCLP Benzene	0.01	mg/L	SW 846 8260	\$ /	\$ /	\$ /
TCLP carbon tetrachloride	0.01	mg/L	SW 846 8260	\$ /	\$ /	\$ /

Table 5

FY 2014/2015 FY 2015/2016 FY 2016/2017

Parameter	Detection	Units	Method/Reference	Analytical Price/Event	Analytical Price/Event	Analytical Price/Event
TCLP chlorobenzene	0.01	mg/L	SW 846 8260	\$	\$	\$
TCLP chloroform	0.01	mg/L	SW 846 8260	\$	\$	\$
TCLP methyl ethyl ketone	0.03	mg/L	SW 846 8260	\$	\$	\$
TCLP tetrachloroethene	0.01	mg/L	SW 846 8260	\$	\$	\$
TCLP trichloroethene	0.01	mg/L	SW 846 8260	\$	\$	\$
TCLP vinyl chloride	0.01	mg/L	SW 846 8260	\$	\$	\$
TCLP o-cresol	0.004	mg/L	EPA SW 846 Method 8270C	\$ 145	\$ 145	\$ 145
TCLP m-cresol	0.004	mg/L	EPA SW 846 Method 8270C	\$	\$	\$
TCLP p-cresol	0.004	mg/L	EPA SW 846 Method 8270C	\$	\$	\$
TCLP cresol	0.004	mg/L	EPA SW 846 Method 8270C	\$	\$	\$
TCLP 2,4-dinitrotoluene	0.004	mg/L	EPA SW 846 Method 8270C	\$	\$	\$
TCLP hexachlorobenzene	0.004	mg/L	EPA SW 846 Method 8270C	\$	\$	\$
TCLP hexachloro-1,3-butadiene	0.004	mg/L	EPA SW 846 Method 8270C	\$	\$	\$
TCLP hexachloroethane	0.004	mg/L	EPA SW 846 Method 8270C	\$	\$	\$
TCLP nitrobenzene	0.004	mg/L	EPA SW 846 Method 8270C	\$	\$	\$
TCLP pentachlorophenol	0.004	mg/L	EPA SW 846 Method 8270C	\$	\$	\$
TCLP pyridine	0.015	mg/L	EPA SW 846 Method 8270C	\$	\$	\$
TCLP 2,4,5-trichlorophenol	0.004	mg/L	EPA SW 846 Method 8270C	\$	\$	\$
TCLP 2,4,6-trichlorophenol	0.004	mg/L	EPA SW 846 Method 8270C	\$	\$	\$
TCLP Endrin	0.005	mg/L	SW 846 8081A	\$ 72	\$ 72	\$ 72
TCLP Heptachlor	0.005	mg/L	SW 846 8081A	\$	\$	\$
TCLP Heptachlor epoxide	0.005	mg/L	SW 846 8081A	\$	\$	\$
TCLP Lindane	0.005	mg/L	SW 846 8081A	\$	\$	\$
TCLP Methoxychlor	0.05	mg/L	SW 846 8081A	\$	\$	\$
TCLP Toxaphene	0.005	mg/L	SW 846 8081A	\$	\$	\$
TCLP Chlordane	0.005	mg/L	SW 846 8081A	\$	\$	\$
Annual Sampling/Analytical Cost:				\$ 75	\$ 75	\$ 75

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TOTAL -

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63775
63775
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Table 6SLUDGESection A. Volatile Organic compounds METHOD USED: 8260

	FY 2014/2015	FY 2015/20016	FY 2016/2017
ANALYTICAL COST:	\$ <u>90</u>	\$ <u>90</u>	\$ <u>90</u>
SAMPLING COST: :	\$ <u>75</u>	\$ <u>75</u>	\$ <u>75</u>

Compound	Det Limit mg/kg		Compound	Det Limit mg/kg
Dichlorodifluoromethane	1		Chloromethane	0.7
Vinyl chloride	0.4		Bromomethane	0.3
Chloromethane	1		Trichlorofluoromethane	1
Diethyl ether	5		Acetone	5
1,1-Dichloroethene	0.5		Methylene chloride	0.1
Carbon disulfide	0.2		Methyl-tert-butyl ether	2
Trans-1,2-Dichloroethene	1		1,1-Dichloroethane	1
2-Butanone	1		2,2-Dichloropropane	1
Cis-1,2-Dichloroethene	1		Chloroform	0.1
Bromochloromethane	1		Tetrahydrofuran	1
1,1,1-Trichloroethane	1		1,2-Dichloropropene	1
Carbon tetrachloride	1		1,2-Dichloroethane	0.08
Benzene	0.3		Trichloroethene	0.8
1,2-Dichloropropane	0.1		Dichlorobromomethane	0.02
Dibromomethane	1		4-Methyl-2-pentanone	1
Cis-1,3-Dichloropropene	0.5		Toluene	1
Trans-1,3-Dichloropropene	0.5		1,1,2-Trichloroethane	0.1
2-Hexanone	5		1,3-Dichloropropane	1
Tetrachloroethene	1		Dibromochloromethane	0.01
1,2-Dibromoethane	0.09		Chlorobenzene	1
1,1,1,2-Tetrachloroethane	1		Ethylbenzene	1
M&p-Xylene	10		o-Xylene	5
Styrene	1		Bromoform	0.1

Table 6 (continued)

Compound	Det Limit mg/kg		Compound	Det Limit mg/kg
Isopropylbenzene	5		1,1,2,2-Tetrachloroethane	0.02
1,2,3-Trichloropropane	1		n-Propylbenzene	5
Bromobenzene	1		1,3,5-Trimethylbenzene	5
2-Chlorotoluene	1		4-Chlorotoluene	1
Tert-Butylbenzene	4		1,2,4-Trimethylbenzene	5
Sec-Butylbenzene	5		p-Isopropyltoluene	5
1,3-Dichlorobenzene	5		1,4-Dichlorobenzene	5
n-Butylbenzene	5		1,2-Dichlorobenzene	5
1,2-Dibromo-3-chloroprop	0.02		1,2,4-Trichlorobenzene	2
Hexachlorobutadiene	0.2		1,2,4-Trichlorobenzene	2
1,2,3-Trichlorobenzene	2		Naphthalene	5

Section B. Semi-volatile Compounds METHOD USED:

8270

FY 2014/2015

FY 2015/2016

FY 2016/2017

ANALYTICAL COST:

\$ 175

\$ 175

\$ 175

SAMPLING COST:

\$ 75

\$ 75

\$ 75

Compound	Det Limit mg/kg		Compound	Det Limit mg/kg
1,2-Diphenylhydrazine	1.7		2,4,5-Trichlorophenol	5
2,4,6-Trichlorophenol	1.7		2,4-Dichlorophenol	1.7
2,4-Dimethylphenol	2		2,4-Dinitrophenol	12
2,4-Dinitrotoluene	1.7		2,6-Dinitrotoluene	1.7

Table 6 (continued)

Section C. Pesticides

METHOD USED: 8081

	FY 2014/2015	FY 2015/2016	FY 2016/2017
ANALYTICAL COST:	\$ <u>90</u>	\$ <u>90</u>	\$ <u>90</u>
SAMPLING COST:	\$ <u>75</u>	\$ <u>75</u>	\$ <u>75</u>

Compound	Det Limit mg/kg		Compound	Det Limit mg/kg
Aldrin	0.09		Gamma-BHC (Lindane)	0.09
Alpha-BHC	0.06		Delta-BHC	0.09
Beta-BHC	0.06		Chlordane	0.08
4,4'-DDT	0.09		4,4'-DDE	0.07
4,4'-DDD	0.07		Alpha-Endosulfan	0.07
Beta-Endosulfan	0.07		Endosulfan sulfate	0.07
Endrin	0.7		Endrin aldehyde	0.07
Heptachlor	.02		Heptachlor epoxide	.07
Toxaphene	0.08			

Section D. PCB's

METHOD USED: 8082

	FY 2014/2015	FY 2015/2016	FY 2016/2017
ANALYTICAL COST:	\$ <u>60</u>	\$ <u>60</u>	\$ <u>60</u>
SAMPLING COST:	\$ <u>75</u>	\$ <u>75</u>	\$ <u>75</u>

Compound	Det Limit mg/kg		Compound	Det Limit mg/kg
PCB-1242	0.7		PCB-1254	0.7
PCB-1221	0.7		PCB-1232	.07
PCB-1248	.07		PCB-1260	0.7

Table 6 (continued)

Section E. Metals

METHOD USED: SUDY46 6000/7000

	FY 2014/2015	FY 2015/2016	FY 2016/2017
ANALYTICAL COST:	\$ <u>117</u>	\$ <u>117</u>	\$ <u>117</u>
SAMPLING COST:	\$ <u>750</u>	\$ <u>750</u>	\$ <u>750</u>

Metals*	Det Limit mg/kg		Metals*	Det Limit mg/kg
Total Arsenic	10		Total Cadmium	1
Total Chromium	10		Total Copper	10
Total Lead	11		Total Mercury	0.05
Total Molybdenum	18		Total Nickel	10
Total Antimony	8		Total Zinc	0.01
Total Silver	4		Total Thallium	10

*Metals price per sample must include required digestion.

Section F. Additional Analyses

Section F. Dioxins

METHOD USED: 1613A wB

	FY 2014/2015	FY 2015/2016	FY 2016/2017
ANALYTICAL COST:	\$ <u>700</u>	\$ <u>700</u>	\$ <u>700</u>
SAMPLING COST:	\$ <u>750</u>	\$ <u>750</u>	\$ <u>750</u>

Compound	Det Limit		Compound	Det Limit mg/kg
2,3,7,8 TCDF	5		Remaining congeners of 2,3,7,8 TCDD	5

Table 6 (continued)

Section G. Total Cyanide

METHOD USED: 9010B

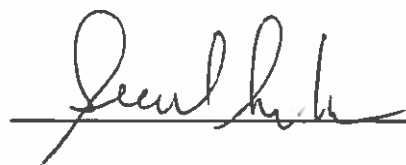
	FY 2014/2015	FY 2015/2016	FY 2016/2017
ANALYTICAL COST:	\$ <u>23</u>	\$ <u>23</u>	\$ <u>23</u>
SAMPLING COST:	\$ <u>75</u>	\$ <u>75</u>	\$ <u>75</u>

Section H. Additional Analyses

ANALYTICAL COSTS

Parameter	Det Limit mg/kg	Method	FY 2014/2015	FY 2015/2016	FY 2016/2017
pH			\$ <u>5</u>	\$ <u>5</u>	\$ <u>5</u>
Percent Solids			\$ <u>5</u>	\$ <u>5</u>	\$ <u>5</u>
Nitrate-nitrite	30		\$ <u>15</u>	\$ <u>15</u>	\$ <u>15</u>
Total Kjeldahl Nitrogen	300		\$ <u>30</u>	\$ <u>30</u>	\$ <u>30</u>
Ammonia Nitrogen	30		\$ <u>18</u>	\$ <u>18</u>	\$ <u>18</u>
Total Organic Carbon			\$ <u>80</u>	\$ <u>80</u>	\$ <u>80</u>
Potassium	15		\$ <u>10</u>	\$ <u>10</u>	\$ <u>10</u>
Phosphorus	15		\$ <u>18</u>	\$ <u>18</u>	\$ <u>18</u>
Sampling Service Cost			\$ <u>750</u>	\$ <u>750</u>	\$ <u>750</u>
Total Sampling/Analytical Cost for Full Exhibit A-4 Sludge Analysis:			\$ <u>1736</u>	\$ <u>1736</u>	\$ <u>1736</u>

Authorized Signature



Date

6-18-14

ATTACHMENT A - INSTRUCTION TO BIDDERS**PREPARATION OF BID PROPOSAL**

1. The Bidder shall submit her/his proposal upon the form(s) furnished by the City (attached). The bidder shall specify a unit price for each pay item. All figures shall be in ink or typed.
2. If a unit price or lump sum bid already entered by the bidder on the proposal form is to be altered it should be crossed out with ink, the new unit price or lump sum bid entered above or below it, and initialed by the bidder, also with ink. In case of discrepancy between the prices written in words and those written in figures, the prices written in words shall govern.
3. The bidder's proposal must be signed with ink by the individual, by one or more members of the partnership, by one or more members or officers of each firm representing a joint venture, by one or more officers of a corporation, or by an agent of the contractor legally qualified and acceptable to the owner. If the proposal is made by an individual, his name and post office address must be shown, by a partnership the name and post office address of each partnership member must be shown; as a joint venture, the name and post office address of each must be shown; by a corporation, the name of the corporation and its business address must be shown, together with the name of the state in which it is incorporated, and the names, titles, and business addresses of the President, Secretary, and Treasurer.
4. All questions shall be submitted in writing to and received by the Purchasing Agent at the above address, a minimum of 7 days prior to the scheduled bid opening. The Purchasing Agent, will then forward both the question and the city's response to the question to all known prospective bidders.

IRREGULAR PROPOSALS

Bid proposals will be considered irregular and may be rejected for any of the following reasons:

1. If the proposal is on a form other than that furnished by the Owner or if the form is altered or any part thereof is detached.
2. If there are unauthorized additions, conditional or alternate bids, or irregularities of any kind which may tend to make the proposal incomplete, indefinite or ambiguous as to its meaning.
3. If the bidder adds any provisions reserving the right to accept or reject an award, or to enter into a contract pursuant to an award.
4. If the proposal does not contain a unit price for each pay item listed, except in the case of authorized alternate pay items.

DELIVERY OF BID PROPOSALS

When sent by mail, the sealed proposal shall be addressed to the City of Rochester, Purchasing Agent, 31 Wakefield Street, Rochester, NH 03867. All proposals shall be filed prior to the time and at the place specified in the invitation for bids. Proposals received after the time for opening of the bids will be returned to the bidder, unopened. Emailed or faxed bid proposals are not acceptable.

WITHDRAWAL OF BID PROPOSALS

A bidder will be permitted to withdraw his proposal unopened after it has been deposited if such request is received in writing prior to the time specified for opening the proposals.

PUBLIC OPENING OF BID PROPOSALS

Proposals will be opened and read publicly at the time and place indicated in the invitation for bids. Bidders, their authorized agents, and other interested parties are invited to be present.