

NACA

Laboratory Equipment and Supplies

Bid documents were opened November 16, 2010

Bid documents were sent to

Fisher Scientific

Rachel Livingston no response

VWR

Traci McCuiston no response

Accurate Environmental

Ron Fazel \$30,102.33

Hach Company

Jonathan McMillian \$27,101.54

I would recommend we accept the bid from Hach Company.

Belva Plumlee

November 16, 2010

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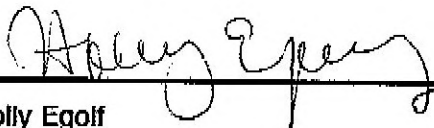
AFFIDAVIT OF PUBLICATION

I, Holly Egolf, do solemnly swear that I am the Legal Clerk of the Northwest Arkansas Newspapers, LLC, printed and published in Washington and Benton County, Arkansas, bona fide circulation, that from my own personal knowledge and reference to the files of said publication, the advertisement of:

NWA CONSERVATION AUTHORITY
Laboratory equipment and supplies

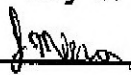
Was inserted in the Regular Editions on:
Nov. 3, 2010

Publication Charges: \$ 27.60

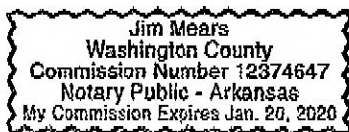


Holly Egolf

Subscribed and sworn to before me
This 4 day of November, 2010.



Notary Public
My Commission Expires:



NOTE

Please do not pay from Affidavit. Invoice will be sent.

NACA is seeking bids for Laboratory equipment and supplies. Bids will include equipment, chemicals and supplies used in the Regional Wastewater Treatment laboratory. Bid documents may be obtained from the Facilities Manager for the Regional Wastewater Treatment plant at 11579 Snavely Road, Bentonville, AR 72712. Bids must address specific requirements and be submitted to NACA by 2 p.m. November 16th, 2010. More details, specification and the Request for Bids may be requested by e-mail to Belva Phamlee at bjplumlee@cox.net 63512448 Nov. 3, 2010

NACA

Wastewater Treatment Plant Laboratory Equipment and supplies

Please provide pricing using these catalog numbers as reference.

Qty	Hach Cat. #	Description	Price
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Total Suspended Solids – EPA approved

1	2936701	Balance, 0.1 mg – 210g
1	1428900	Drying Oven, Lab.,
1	2618100	Desiccator
2	2088701	Desiccant indicating 1lb.
1	2824800	Vacuum pump
1	2824900	Vacuum pump maint. Kit
5	253000	Filters disc, glass fiber pkg./100
4	2141100	Forceps at
2	54653	Filter Flask 1,000 mL
3	1352900	Filter Holder, magnetic
2	211908	Stopper #8 one hole pkg/6
1	56019	Tubing, rubber 3.6 meter
2	2164000	Drying Dish pkg./100
4	57870	Watch Glass 100mm
4	56602	Thermometer
7	62011	Wash Bottle
4	50842	Graduated Cylinder 100 mL
5	2928305	Graduated Cylinder 1000 mL
3	177001	Stirring Rod, glass pkg/3
4	56900	Tongs
1	2101100	Weight set

Sub total

Biochemical Oxygen Demand – EPA approved

2	2898700	BOD bottles, numbered 1-24 & 25-48
1	2094200	BOD bottle rack for 12 bottles
2	2918700	Polyseed at \$120
5	1486860	Carboy 20 L
2	1486266	BOD Ntrt. Bffr Pillow 6L pkg./50
2	1486510	BOD Standard solution ampule pkg/16
1	253335	Nitrification Inhibitor 35 g
1	45901	Bottle cap dispenser for 2533-35
1		Dissolved Oxygen Meter – see below

Sub total

Dissolved Oxygen

Biochemical Oxygen Demand– Accepted for EPA use*

- 1 HQDBOD-01 BOD System, Optical DO measurement includes HQ 40 meter, meter stand and probe
- 1 WM_BOD_MGR BOD manager software

Sub total

pH – EPA approved

If running BOD use meter and meter stand included in that section.

- 1 HQ11d53000000 HQ11 pH meter
- 1 4754900 pH Meter Stand
- 1 pHC30101 pH electrode, lab, refillable
- 1 8506600 Electrode Stand
- 1 2881200 Magnetic Stirrer
- 5 2095351 Stir bar, 1" x .3" at \$5.00
- 4 2283449 pH 4 buffer solution 500 mL at \$9.70
- 4 2283549 pH 7 buffer solution 500 mL
- 2 2283649 pH 10 buffer solution 500 mL
- 1 19153 .1 N Sodium Hydroxide 1 L
- 1 1481253 .1 N Hydrochloric Acid 1 L
- 1 2226966 pH 4.0 buffer powder pillows pkg/50
- 1 2227066 pH 7.0 buffer powder pillows pkg/50
- 1 2227166 pH 10.0 buffer powder pillows pkg/50
- 1 2756549 pH storage solution 500 mL
- 1 89568 pH 4.5 buffer powder pillows pkg/25

Sub total

Spectrophotometers – for COD, ammonia, nitrate, nitrite, total nitrogen phosphorus and metals see catalog for complete list.

If you have UV disinfection you will most likely get a DR/5000UV to run % transmissivity.

- 1 DR5000-01 DR/5000 UV Spectrophotometer
- 3 2612602 1" matched sample cell with stopper /pr. At \$134.00

Sub total

Tests on the Spectrophotometers

COD – Chemical Oxygen Demand – EPA approved

Must have Spectrophotometer - some items are duplicated from total phosphorous test

1	LTV082.53.40001	COD Reactor, 15 cell
1	5003000	Laboratory Bench Safety Shield
1	1864100	Test Tube Rack (for cooling), steel, 10 vial
1	1970010	Pipet, Tensette 1 – 10 mL
1	2125815	COD vials, low range 3 – 150 mg/L, pkg./150
1	2125915	COD vials, high range 20-1,500 mg/L pkg./150
1	2253929	COD standard 1,000 mg/L 200 mL
1	2895405	ez COD recycling, 5 gallon program

Ammonia - EPA approved w/ distillation - Distillation items on later page.

1	TNT830	*0.015 – 2.00 Test N Tube+ 25 tests
1	TNT831	*1.00 – 12.00 Test N Tube+ 25 tests

Phosphate/Total Phosphorus–EPA approved

2	2895805	Reducing adaptor 16mm to 13mm pkg/5 at \$12.50
1	1864100	Test Tube Rack
2	TNT843	Total Phosphate Test N Tube 25 tests at \$40.00
2	1970010	TenSette Pipet 1 to 10 mL at \$220.00
1	256949	Phosphate Stnd. 1.0 mg/L 500 mL

Nitrite – EPA approved

1	TNT839	0.015 – 0.60 mg/L Test N Tube+ 25 tests
1	2340249	Nitrite standard sln. 250 ppb, 500 mL

Other tests not EPA approved but used for process control

Nitrate

1	2605345	0.2 - 30.0 mg/L Test N Tubes - 25 tests
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Total Nitrogen

1	TNT826	1 - 16 mg/L Test N Tube+ 25 tests
1	TNT827	5 – 40 mg/L Test N Tube+ 25 tests

Total Kjeldahl Nitrogen – calculate from above TKN=TN-N03-NO2

TKN & Nitrate – EPA approved

Sub total

UV Organics % Transmissivity – For plants with UV disinfection

Control test for UV disinfection systems

2	4822800	Quartz sample cells, 1 cm, matched pair
1	2641549	Organic Free Water 500 mL
1	2164100	Filtering Funnel Assembly, glass
1	2164200	PTFE Support Plate
1	253053	Filter paper, glass fiber pkg./100

Sub total

Alkalinity

2	2261440	25 mL Buret with 1000 mL flask
2	62763	210 mL Casserole titration vessel
1	94299	Phenolphthalein powder pillows pkg./100
1	94399	Bromcresol Green Methyl Red powder pillows
2	20356	0.02N Sulfuric Acid 4 L
1	4530001	Magnetic stirrers for titrations

Sub total**Settleable Solids**

2	2115700	Settleometer Kits
2	2764400	Timers at \$40.00

Sub total**Volatile Nonfilterable Solids** (in addition to items in the suspended solids test)

1	1429600	Muffle Furnace
1	2178800	Heat Gloves
2	50853	Graduated Cylinder 1000 mL

Sub total**Microscope, Compound** - used for examining your bacteria in sludge

1	2942500	Microscope 4x, 10x, 40x & 100x
1	1170300	Microscope slides
1	2387400	Cover slips, microscope slides
1	2615800	Handbook, wastewater organisms color atlas

Sub total

E-Coli Coliform Bacteria – Microbiology – EPA approved

1	2616300	Incubator, Water Bath
1	1352900	Filter Holder, magnetic
1	54653	Filter Flask, 1000 mL
1	211907	Stopper, Rubber #7 one hole pkg./6
2	2608420	m-ColiBlue24 broth ampules pkg/20
1	2484600	Ampule breaker
1	1353001	Membrane filters pkg./200
2	1471799	Petri Dish with pad pkg./100
1	55919	Tubing for filtering
1	2141100	Forceps
1	2463200	Germicidal clothes pkg./50
1	2585400	Magnifier 3X, Hand held
1	2075333	Bags, Whirl-Pak w/ dechlorinating agent pkg/100

Sub total

Glassware and Misc. Lab items

2	2089000	Drying Rack
3	50838	Cylinder, Graduated 10 mL,
3	50840	Cylinder, Graduated 25 mL,
3	50841	Cylinder, Graduated 50 mL,
3	50842	Cylinder, Graduated 100 mL,
2	50853	Cylinder, Graduated 1000 mL,
2	2088641	Cylinder, Mixing 50 mL
1	1451535	Pipet, Volumetric 1 mL, Class A
1	1451537	Pipet, Volumetric 5 mL, Class A
1	1451538	Pipet, Volumetric 10 mL, Class A
2	1451540	Pipet, Volumetric 25 mL, Class A
2	1451541	Pipet, Volumetric 50 mL, Class A
2	1451542	Pipet, Volulmetric 100 mL, Class A
2	1465100	Safety bulb
2	2489738	Pipet, serological 10 mL, for wastewater pkg./20
1	1970010	TenSette pipet 1-10 mL
1	2199725	Tips for above TenSette pipette pkg/250
1	1970001	TenSette pipet .1-1.0 mL
1	2185628	Tips for above TenSette pipette pkg/1000
6	50041H	Beaker, 50 mL
6	50042H	Beaker, 100 mL
6	50046H	Beaker, 250 mL
1	50082	Beaker, 600 mL pkg/6
1	50083	Beaker, 1000 mL pkg/6
1	50084	Beaker, 2000mL pkg/4
3	50543	Flask, Erlenmeyer 125 mL
3	50546	Flask, Erlenmeyer 250 mL
3	50549	Flask, Erlenmeyer 500 mL

2	2636642	Flask, Volumetric 100 mL, Class A
2	2636649	Flask, Volumetric 500 mL, Class A
2	2636653	Flask, Volumetric 1000 mL, Class A
1	2261442	Buret, complete 25 mL w/ 1000 mL flask
2	68700	Brush, Cylinder
2	69000	Brush, Test Tube
6	62011	Bottle, wash 500 mL
1	2694600	Clock, lab, water resistant
1	2630200	Stopwatch
2	2676400	Thermometer, Rugged C & F
2	2095911	Thermometer, lab C & F
1	2097060	Kimwipes pkg./60 280 per pkg.
1	2590401	Gloves, small pkg./100
1	2590402	Gloves, med. pkg./100
1	2590403	Gloves, large pkg./100
5	2928002	Goggles
2	2241646	Lab Coat, white,
2	1523200	stir bar retriever
3	2095352	1" stir bar
3	2095355	2" stir bar
3	2095348	1/2" stir bar
1	22708-00	Standard Methods Handbook
1	2239800	NIOSH Guide to chem. hazard handbook

Sub total

Total