CITY OF VINELAND, NJ

RESOLUTION NO. 2014-341

A RESOLUTION AUTHORIZING THE ISSUANCE OF AN AMENDATORY SUPPLEMENTAL CHANGE ORDER NO. 1, TO CONTRACT NO. C12-0090, ISSUED TO CEMTEK ENVIRONMENTAL, INC., SANTA ANA, CA.

WHEREAS, the City Council of the City of Vineland, on December 26, 2012, adopted Resolution No. 2012-513, entitled "A RESOLUTION AWARDING A CONTRACT TO CEMTEK ENVIRONMENTAL, INC., SANTA ANA, CA, FOR THE FURNISHING AND DELIVERY OF CONTINUOUS EMISSIONS MONITORING SYSTEM (CLAYVILLE UNIT 1)"; and

WHEREAS, N.J.A.C. 5:30-11.1, et seq., sets forth the requirements for the processing of change orders; and

WHEREAS, the management personnel of the Electric Utility has requested that an amendment be made to contract awarded to CEMTEK Environmental Inc., Santa Ana, CA, for furnishing and delivery of Continuous Emissions Monitoring System (Clayville Unit 1), as authorized by Resolution No. 2012-513; said amendment is made necessary as a normal step in the final detailed design of the CEMS, it has been determined that high velocity probe tubes are required for both the stack probe and the duct/inlet probe, these tubes will replace the low velocity probe tubes included in the original contract; the design change is required by the Engineering Company based on flow model calculations; and

WHEREAS, the City of Vineland desires to comply with said requirements of N.J.A.C. 5:30-11.1, et seq., and to that end herewith files with the governing body a report stating the facts involved and indicating that the proposed change order may be allowed under these regulations; and

WHEREAS, the City Comptroller has certified the availability of funds for the amendatory supplemental change order for which authorization is requested in the amount of $12,377.00; now, therefore,

BE IT RESOLVED by the Council of the City of Vineland that said amendatory supplemental change order to Contract No. C12-0090, issued to CEMTEK Environmental Inc., Santa Ana, CA, in the amount of $12,377.00, be and the same is hereby ratified and approved.

Adopted:

_____
President of Council

ATTEST:

_____
City Clerk

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City of Vineland New Jersey

August 19, 2014

REPORT

TO: THE MAYOR AND COUNCIL

RE: Amendatory Supplemental Change Order No. 1
Contract No. C12-0090
Continuous Emissions Monitoring System (Clayville Unit 1)
CEMTEK Environmental Inc., Santa Ana, CA

Dear Mayor and Members of Council:

We are requesting that an amendatory supplemental change order be issued for Contract No. C12-0090, issued to CEMTEK Environmental Inc., Santa Ana, CA, for furnishing and delivery of Continuous Emissions Monitoring System (Clayville Unit 1). This contract was authorized by Resolution No. 2012-513, adopted by City Council on December 26, 2012

As a normal step in the final detailed design of the CEMS, it has been determined that high velocity probe tubes are required for both the stack probe and the duct/inlet probe. These tubes will replace the low velocity probe tubes included in the original contract. The design change is required by the Engineering Company based on flow model calculations.

The change order requested, in the amount of $12,377.00, represents an increase of approximately 3.5073% over the original contract amount of $352,889.00.

The amendatory supplemental change order for which authorization is herein requested may be authorized in accordance with N.J.A.C. 5:30-11.1 et seq.

Respectfully submitted,

FOR

Denise Monaco
Assistant Business Administrator

DM/wr
Encl.

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VINELAND New Jersey
Discover The Difference

Peter J. Kudless
Project Manager
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www.vinelandcity.org

211 N. West Ave
Vineland, NJ 08362-1508
Phone: (856) 794-4000
Extension: 4380
Fax: (856) 405-4625

REQUEST FOR CHANGE ORDER
FOR:

Continuous Emissions Monitoring System for Clayville Unit 1
PROJECT NAME

TO: BUSINESS ADMINISTRATION

DEPARTMENT: VMEU Generation Engineering FROM: Pete Kudless, Project Manager

This is a request for change order # 1 to Contract # C12-0090 for:

Project Name: Continuous Emissions Monitoring System (CEMS) for Clayville Unit 1

Name/Address of Contractor: CEMTEK Environmental, Inc.
3041 S. Orange Avenue
Santa Ana, CA 92707

The change order is necessary because:

As a normal step in the final detailed design of the CEMS, it has been determined that high velocity probe tubes are required for both the stack probe and the duct/inlet probe (see attached memo). These high velocity probe tubes will replace the low velocity probe tubes included in the original contract. This change order is necessary in order to add these high velocity probe tubes and their differential costs to this contract.

Original Contract Amount:	**$ 352,889.00**
Amount of This Change Order:	**$ 12,377.00**
Previous Change Orders:	**$ n/a**
Total Revised Amount:	**$ 365,266.00**

APPROVED BY: John Boyle, Asst Gm
Print/Type

Signature

Special arrangements for persons with disabilities may be made if requested in advance by contacting the Business Administrator's office at 856-794-4144.

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Peter J. Kudless
Project Manager
Clayville Unit #1
pkudless@vinelandcity.org
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Vineland, NJ 08362-1508
Phone: (856) 794-4000
Extension: 4380
Fax: (856) 405-4625

NOTE:
CHANGE ORDERS CANNOT EXCEED 20% OF THE ORIGINAL CONTRACT AMOUNT

Please provide the account number that the change order will be charged to:

Account # 022-0-00-00-0000-2-7511600 E346Y

CC: Purchasing Division
Gus Foster
Pete Kudless
Jeff Davis

CEMTEK Environmental

Continuous Emissions Monitoring
CEM Systems, Service, Repair and Parts

www.cemteks.com info@cemteks.com

Quotation # C.O. COPT140505-0344-01-Rev1

TO:	Vineland MEU	Date:	7/9/2014
	211 N West Avenue	Attention:	Peter Kudless
	Vineland, NJ 08360	Reference:	CN50344, Cust. PO C12-0090
	USA		Revision of CEMTEK scope to
PHONE:	856-794-4000 x4380		include high velocity probe tubes for
FAX:	856-794-4332		both inlet and stack installations.

Description of Items included in Change Order:

Item	Description	QTY	Price	Total
01	Adder Price, for standard high velocity probe tube for stack probe. Length of probe tube is 60"	1	$5,161.00	$5,161.00
02	Adder Price, for standard high velocity probe tube for duct/inlet probe. Length of probe tube is 90"	1	$8,570.00	$8,570.00
03	Deduct, Discount	-1	$1,354.00	-$1,354.00
			Total Amount	$12,377.00

Comments:

Payment Terms: Per Payment Terms on our quote CV121114

Shipment Terms: Per Payment Terms on our quote CV121114

Lead Time: No impact to current schedule at this time. To note, it is 6 weeks ARO to deliver to CEMTEK.

SIGNED: Paul Tran
Cemtek Environmental, Inc.

DATE: 7/9/2014

APPROVED: Peter J. Kudless
Client

DATE: 7/9/14

cc: Project File

R0: Initial Release

Subject to Change Order Approval by Vineland City Council

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WALDRON ENGINEERING & CONSTRUCTION, INC.

September 5th ,2013

Mr. Jose Cruz, PE
Project Manager
Vineland Municipal Electrical Utility (VMEU)
Generation Division
211 N. West Ave
Vineland, New Jersey

Via: Email
Attachment: A-UA probe design

Jose

Thank you for the opportunity to review the CEMS probe issue on the VMEU Clayville Unit 1 project.

In summary, Rolls-Royce and CEMTEK do not have concurrence on the statements of exhaust velocity. What is likely going on here is both sides being conservative, RR with its statements of the upper limit of anticipated velocities (so artificially high), and CEMTEK with its statement of anticipated upper limit of velocity probe limits (so artificially low). The values are crossing and the OEM's are not agreeing on design parameters. This is delaying the revised CEMTEK submittals.

Waldron has analyzed the proposed Universal Analyzer 270 S/F probe for high-velocity applications. Waldron has utilized the UA probe in a variety of applications, including SCCT projects. We note the high velocity probes reinforced design specifically for high-velocity Simple cycle plant installations. We have also reviewed our project history (specifically Unit #11).

Based on the available materials, we recommend the use of the 270 S/F high-velocity probe in this installation.

I trust this memorandum meets your needs. If you have any questions please do not hesitate to call.

Regards,

JEREMY P. SMITH_

Jeremy P Smith, P.E.
Project Manager
Waldron Engineering & Construction, Inc.

GAS SAMPLE PROBES

Model 270S – Extractive Gas Sample Probe

The Universal Analyzers Model 270S heated extractive gas sample probe is the basic configuration. It has an IP55/NEMA 3 weatherproof enclosure and the heated filter is thermostatically controlled to 70°C (340°F). No tools are required to replace the filter. Many options can be added to the basic unit to configure the 270S for almost any application.

Features include:

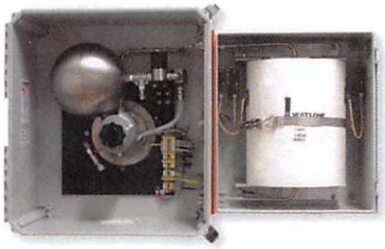
- Corrosion resistant stainless steel flow path with optional PTFE or SilcoNert™2000 coating. Hastelloy C276 flow path components are also available.
- Sample out and calibration gas inlet connections
- 1/2" MNPT process connection
- Integrated filter temperature switch and low temperature alarm contacts
- Optional mating flanges, blow back and probe tubes
- Optional ATEX, CSA and FM hazardous area certifications

Model 270SF – Extractive Gas Sample Probe

The Universal Analyzers Model 270SF heated extractive gas sample probe is our most popular configuration. It includes the easy change filter design and is most commonly housed in a weatherproof IP66 fiberglass enclosure. The blowback accumulator tank and ANSI mounting flange are other popular options.

Features include:

- Corrosion resistant stainless steel flow path with optional PTFE or SilcoNert™2000 coating. Hastelloy C276 flow path components are also available.
- Sample out and calibration gas inlet connections
- Integrated filter temperature switch and low temperature alarm contacts
- ANSI/DN mounting flanges for stack or duct connection
- Optional ATEX, CSA and FM hazardous area certifications



Model 270SF/NH_3 – Extractive Gas Sample Probe with Ammonia Convertor

The Universal Analyzers Model 270SF/NH_3 heated extractive gas sample probe with ammonia convertor provides two sample stream outlets; one non-converted and the other is after an NH_3 to NO conversion. This configuration is primarily used when measuring NH_3 downstream of an SCR (Selective Catalytic Reduction) unit using the NO_X differential methodology.

Features include:

- Heated filter chamber to 290°C (550°F) with high temperature O-rings and seals
- Dual sample outlet and calibration gas inlet connections
- Blow back with high pressure accumulator tank and solenoid valve
- Integrated filter temperature switch and low temperature alarm contacts
- Temperature sensor for remote control of convertor oven
- Integrated NH_3 convertor with heated transition between filter and convertor oven.
- ANSI/DN mounting flanges for stack or duct connection