

Bayshore Regional Sewerage Authority
Union Beach Borough, Monmouth County, New Jersey

Contract No. 60
Niro Incinerator Repairs

Addendum No. 1
January 10, 2012

To All Concerned:

By order of the Bayshore Regional Sewerage Authority (BRSA), all bidders of the above-captioned project are hereby notified, pursuant to the New Jersey Local Public Contracts Law, that the Contract Documents are hereby being modified by issuance of this Addendum No. 1, which is to be made part of the Contract Documents. Receipt of this Addendum shall be acknowledged in writing on Page P-4 of the Contract Specifications. The Contract Documents are hereby amended as follows:

General Clarifications:

The date and time for receipt of bids has been changed to January 20, 2012 at 11:00AM EST.

Section 13182 – Refractory and insulation.

§1.04-D.3 shall be modified to include the use of Gunned refractories. Refractories shall be installed in strict accordance with the manufacturer's instructions. Contractor shall submit refractory materials data sheets to Engineer for approval before use.

Hardface: 8" of KS-4V GR PLUS as manufactured by ANH refractories.
Insulating Castable: 5.5" of 20-45G PLUS as manufactured by ANH refractories.
Refractory Anchors: A P. Green Refractory Model No. APG-21-M or approved equal. 70% Alumina refractory anchors with 309 S.S. ceramic tile hangers. Tile hangers shall be welded in place. Refractory anchors shall be 13.5" in length and attached flush to the shell.

Anchors shall be placed at 10" intervals for each row. Each row pattern shall be offset by 5"

- Row 1: 3 feet above top of dome
- Row 2: 4'-2" feet above top of dome
- Row 3: 5'-2" feet above top of dome, 1 foot below shelf.

Contractor shall form “toe brick” at bottom of wall to extend over top of dome brick/wall seam. Toe Brick shall be 3” high and extend 3” out from bottom of wall. For Gun Application - Personnel applying refractory materials by this method shall be properly trained and experienced. Too much mixing will break down refractories with light weight aggregates. Excess premixing water will result in improper flow of material through the machine and difficulty in controlling the water at the nozzle. Apply within approximately 15 minutes after adding water. Protective equipment shall be worn to minimize exposure to dust, mist and rebound material. Precautionary warning statements shall be read and followed.

Contractor shall mix with a high-intensity paddle mixer at 60°F to 80°F for 1-3 minutes before use. Never mix for more than 3 minutes unless otherwise stated on product data sheet. Over-mixing can cause the product to break down, making the material finer than intended and reducing its insulating value.

Accurate water measurement is critical to achieve proper installation and optimum product properties. Refer to the Manufacturer’s product data sheet for water specifications. Contractor shall not deviate from the manufacturer’s water requirement.

Contractor shall protect all nozzles, penetration, and instrumentation from damage and further ensure their functionality is not impaired.

Contractor shall supply and install gunned refractories WITHOUT seams or expansion joints.

Contractor shall cure the product for a minimum of 24-hours or until hard set is reached. During curing keep surfaces covered and damp to avoid drying and cracking. Contractor shall submit cure/dryout schedule in agreement with the manufacturer’s requirements for approval.

Section 13181 – Heat Exchanger Replacement shall be modified to include repair and replacement of refractory lining in top and bottom of heat exchanger assembly section. Contractor shall supply and install all refractory materials necessary to repair or replace the refractory linings and ceramic seals of the top and bottom section of the heat exchanger assembly. The described repair is limited to the heat exchanger assembly and different from repairs the plenum lining.

END OF ADDENDUM