THE REGIONAL MUNICIPALITY OF DURHAM
AND
THE REGIONAL MUNICIPALITY OF YORK

REQUEST FOR PROPOSALS RFP-604-2008

TO DESIGN, BUILD, OPERATE AND MAINTAIN AN ENERGY FROM WASTE FACILITY

ADDENDUM #30 – DECEMBER 12, 2008

This addendum will form a part of the Proposal Documents for the above-noted proposal and shall be read in conjunction therewith. This addendum will take precedence over all requirements of the original Proposal Documents and any addenda issued previously. Bidders shall acknowledge receipt of this addendum by signing and returning it with the completed Proposal submitted. If, in the opinion of the Regions, the addendum issued affects the price of the proposal and the addendum is not returned or acknowledged, then the proposal submitted will be deemed non-compliant and rejected. If, in the opinion of the Regions, the addendum does not affect the proposal price and it is not submitted with the proposal or acknowledged, the bidder will be allowed two working days to submit the missing signed addendum to the Region of Durham Purchasing Section.

Please note the following changes/clarifications:

Replace:

RFP-604-2008, Section 23, Form 4 Performance Guarantees, Pages 70 and 71, with the following pages below: 70 (Revised – Addendum 30), 71 (Revised – Addendum 30), 71A (Revised - Addendum 30) and 71B (Revised - Addendum 30).

This addendum shall supersede Addendum No. 29.

_____
Signed (Must be Signing Officer of Firm)

_____
Position

_____
Name of Firm

23. FORM 4 PERFORMANCE GUARANTEES

Facility Guarantee

These performance guarantees will be incorporated into the Project Agreement.

1.	**Construction Period Guarantee**		
	Length of time from Notice to Proceed to Schedule Acceptance Date (days)		
2.	**Throughput Capacity Guarantee (140,000 tonnes per year)**		
	HHV	Tonnes per day	
	11.0 MJ/kg		
	12.0 MJ/kg		
	13.0 MJ/kg *		
	14.0 MJ/kg		
	15.0 MJ/kg		
	* = Design waste HHV		
3.	**Electricity Production Guarantee* (Annual Average)** ***Not including the Future District Energy System component (See Part 9 to this form, below)**		
	Throttle Conditions Proposed (Bar)		
	Throttle Conditions Proposed (^{o}C)		
	Maximum Steam load (kg/hr)		
	HHV	Gross Electrical Output (kWh/tonne)	Net Electrical Output (kWh/tonne
	11.0 MJ/kg		
	12.0 MJ/kg		
	13.0 MJ/kg		
	14.0 MJ/kg		
	15.0 MJ/kg		

4.	**Residue Quality and Quantity Guarantee:** The Average monthly quality and quantity of Residue (to include bottom ash, fly ash, siftings, scrubber residue and all other process residue) from combustion of processible waste:	
	Unburned Combustible Matter (% dry weight – not exceed 3.0%)	
	Total Residue (bottom and fly ash) excluding ferrous and other materials (tonne of residue/tonne of processible waste – not to exceed 30%)	
	Percent Moisture in Bottom Ash Residue (tonne of residue/tonne of processible waste – not to exceed 25%)	
5.	**Metals Recovery Guarantee (recovery efficiency test)**	
	Measured as tonnes ferrous recovered/tonnes ferrous in residue pre-processing – expressed as a percentage	
6.	**Other Material Recovery** (Specify material; tonne of material recovered/tonne of material recoverable – expressed as %)	
	Material 1: Non-Ferrous	
	Material 2:	
	Material 3:	
7.	**Guaranteed Facility Availability**	
	the proportion of time the Incinerator Unit is available to process the Regions' waste within a calendar year time period, expressed as a percentage (minimum requirement is 90% availability or 7,884 hours available in a year)	

8. Guaranteed Maximum Emission Limits

Pollutant	Units	YD EFW Proposed Limits	Guaranteed Limit	Environmental Demerit Points
Exceed any Certificate of Approval Limit and Operator cannot receive any bonus payments for that year. Further violations will increase demerit points and demerit points for specific emissions are cumulative with CEM or Stack test demerits listed below. Operator can receive both a negative Performance Adjustment and MOE fines.				75
Continuous Emission Monitoring (CEM) Parameters Excludes exceedances during Normal Start-up and Shutdown conditions and Emergency Shutdowns				
Sulphur Dioxide (SO_2) 24 hour geometric mean exceeds CEM guarantee	mg/Rm^3	35		10
Hydrogen Chloride (HCl) 24 hour arithmetic mean exceeds CEM guarantee	mg/Rm^3	9		10
Hydrogen Fluoride (HF) 24 hour arithmetic mean exceeds CEM guarantee	mg/Rm^3	0.9		10
Nitrogen Oxides (NOx) 24 hour arithmetic mean exceeds CEM guarantee	mg/Rm^3	180		10
Carbon Monoxide (CO) 24 hour arithmetic mean exceeds CEM guarantee	mg/Rm3	45		10
Stack Test Parameters				
Mercury (Hg) Stack Test result exceeds Emission Guarantee	µg/Rm^3	15		20
Cadmium (Cd) Stack Test result exceeds Emission Guarantee	µg/Rm^3	7		20
Cadmium + Thallium (Cd + Th) Stack Test result exceeds Emission Guarantee	µg/Rm^3	46		20
Lead (Pb) Stack Test result exceeds Emission Guarantee	µg/Rm^3	50		20
Sum of (As, Ni, Co, Pb, Cr, Cu, V, Mn, Sb) Stack Test result exceeds Emission Guarantee	µg/Rm3	460		20

Dioxins Stack Test result exceeds Emission Guarantee	pg/Rm3	60		20
Total Particulate Matter Stack Test result exceeds Emission Guarantee	mg/Rm^3	9		20
Organic Matter (as methane) Stack Test result exceeds Emission Guarantee	mg/Rm3	49		20
Operational Parameters Excludes exceedances during Normal Start-up and Shutdown conditions and Emergency Shutdowns				
Continuous Emission Monitor Monthly Availability	percent	95 %		5
Opacity exceeds CEM guarantee	percent	TBD		5
Any other MOE C of A imposed criteria	TBD	TBD		TBD

1 The Owner will assign environmental performance points for guaranteed operating level exceedances during operation, but will exclude exceedances during Normal Start-up and Shutdown conditions and Emergency Shutdowns.

9.	**Future District Heating System Energy Output Guarantee**		
	Provide a guaranteed maximum reduction in electrical output resulting from the implementation of the district heating loop. Vendor's guarantee shall be at peak load conditions of 3.5 MW thermal to the future office buildings in the Energy Park and 3.9 MW thermal load to the Courtice WPCP.		
	Maximum anticipated Extraction Steam load for district heating system (kg/hr)		
	Extraction Steam Conditions Proposed for district heating system (^{o}C)		
	Extraction Steam Conditions Proposed for district heating system (Bar)		
	HHV	Gross Electrical Output (kWh/tonne)	Net Electrical Output (kWh/tonne
	11.0 MJ/kg		
	12.0 MJ/kg		
	13.0 MJ/kg		
	14.0 MJ/kg		
	15.0 MJ/kg		