RESPONSES TO QUESTIONS TO NNG14500002P

Q.1. Does the Combined Synopsis/Solicitation under solicitation number NNG14500002P contain requirements similar to a current contract? If possible, please provide the current contract number. Or is this a new requirement for the Government?

A.1 This is a new requirement. We do not currently have any other contractor to provide boiler burners.

Q.2. The specification calls for a replacement burner yet references the existing air permit Maryland Department of the Environment (MDE) Permit to Construct (PTC) MDE PTC 033-5-0808 as the reference for nitrous oxide (NOX) emissions. Typically, if a burner is to be replaced, not simply have parts replaced, the state requires that a new permit defining the emission requirement for the new burner be issued. Can you confirm you have resolved this issue with the state and that the emission limits stated in the specification are in alignment with any NASA air permitting issues?

A.2 Yes, this issue has been worked with MDE and they have confirmed that a new permit is not required in this application. The current permit requirements as stated in the specifications will remain in effect.

Q.2.a. Also, the specification calls for NOX emission for Land Fill Gas (LFG) and Natural Gas (NG) not to exceed 0.10 Lbs/MMBTU. This simple statement is not normally a problem for NG since the chemical makeup of typical NG can be assumed from known data. But the chemical composition of LFG can vary widely and can affect the NOX emissions and burner material requirements. Can you please provide the chemical composition of the LFG to be fired?

A.2.a. The burners do not burn 100% LFG. The boilers burn a combination of NG and LFG as indicated in the specifications. Please see Attachment 1 detailing the chemical composition of the LFG.

Q.2.b. Currently the specification states no NOX emission requirements for oil firing. The only emissions statement for oil firing in the specification is for visual emission limits. Can you confirm there is no NOX emission requirement for oil firing? If it turns out that there is a NOX emissions limit for oil firing can you please provide that emissions limit and also provide the chemical makeup, including fuel bound nitrogen, of the oil that will be fired so that the expected NOX emissions can be calculated?

A.2.b. There is an SO2 emissions limit of 0.50lb /MMBtu that applies to fuel oil. However, NASA burns fuel oil that not in excess of 0.3% sulfur by weight to meet Code Of Maryland Regulations 26.11.09.07A(2)(b). The combined average SOx for all 5 boilers is limited to less than 40 tons per year for a 12-month rolling average when burning a combination of any of the following fuels: NG, LFG, No. 2 fuel oil.

Q.2.c. Can you define this solicitation as an RFQ or an RFP?

A.2.c This solicitation is a Request for Proposal as indicated on page 3, paragraph (ii), "Solicitation Number NNG14500002P is hereby issued as a Request for Proposal (RFP)." A

new burner shall be provided in accordance with the specifications. Retrofit or refurbishment of the existing burner is not acceptable.

Q.3. Please consider this an official request that this solicitation be set-aside for Competitive 8(a), Total Small Business businesses.

A.3. The strategy has been approved for this procurement to be 100% set aside for Small Business concerns.

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds
MODIFIED EPA METHOD TO-15 GC/MS FULL SCAN

Client Sample ID: Canister- 2701

Lab ID#: 0608747A-01A

Compound	Rpt. Limit (ppbv)	Amount (ppbv)	Rpt. Limit (uG/m3)	Amount (uG/m3)
Freon 12	100	1400	490	6800
Freon 114	100	130	700	920
Vinyl Chloride	100	4300	260	11000
Ethanol	400	37000	750	70000
Acetone	400	7200	950	17000
2-Propanol	400	7800	980	19000
Methylene Chloride	100	1000	350	3500
Methyl tert-butyl ether	100	160	360	570
trans-1,2-Dichloroethene	100	200	400	820
Hexane	100	1200	350	4200
1,1-Dichloroethane	100	320	400	1300
2-Butanone (Methyl Ethyl Ketone)	100	7100	290	21000
cis-1,2-Dichloroethene	100	5800	400	23000
Tetrahydrofuran	100	3400	290	9800
Cyclohexane	100	1200	340	4200
2,2,4-Trimethylpentane	100	440	470	2000
Benzene	100	1200	320	3800
Heptane	100	1800	410	7200
Trichloroethene	100	2200	540	12000
1,2-Dichloropropane	100	110	460	520
4-Methyl-2-pentanone	100	740	410	3000
Toluene	100	29000	380	110000
Tetrachloroethene	100	6100	680	41000
Chlorobenzene	100	150	460	690
Ethyl Benzene	100	7600	430	33000
m,p-Xylene	100	14000	430	62000
o-Xylene	100	4100	430	18000
Styrene	100	570	420	2400
Cumene	100	610	490	3000
Propylbenzene	100	770	490	3800
4-Ethyltoluene	100	2900	490	14000
1,3,5-Trimethylbenzene	100	1400	490	6900
1,2,4-Trimethylbenzene	100	3700	490	18000
1,4-Dichlorobenzene	100	720	600	4400

Client Sample ID: Canister- 2701 Duplicate

Lab ID#: 0608747A-01AA

AIR TOXICS LTD.

AN ENVIRONMENTAL ANALYTICAL LABORATORY

Summary of Detected Compounds
NATURAL GAS ANALYSIS BY MODIFIED ASTM D-1946

Client Sample ID: Canister- 2701

Lab ID#: 0608747B-01A

Compound	Rpt. Limit (%)	Amount (%)
Oxygen	0.10	1.5
Nitrogen	0.10	5.9
Methane	0.00010	54
Carbon Dioxide	0.010	40