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NSTC GREAT LAKES
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LETTER REGARDING SELECTION OF EMPIRICAL LABORATORIES FOR ANALYTICAL
SERVICES FOR THE SAMPLING EFFORTS FOR CONTRACT TASK ORDER 0468 WITH
ATTACHMENTS NSTC GREAT LAKES IL

7/19/2007
TETRA TECH



TETRA TECH NUS, INC.

661 Andersen Drive • Pittsburgh, PA 15220
Tel 412.921.7090 • Fax 412.921.4040 • www.tetrattech.com

PITT-07-7-025

July 19, 2007

Project No. 0936

Mr. Howard Hickey
Naval Facilities Engineering Command Midwest
201 Decatur Avenue, Bldg. 1 A
Great Lakes, Illinois 60088-5600

Subject: Laboratory Selection for NTC Great Lakes, Illinois

Dear Mr. Hickey:

Empirical Laboratory was selected to perform the analytical services for the sampling efforts at the NTC Great Lakes Contract Task Order (CTO) 0468 under the Navy CLEAN IV Program. The laboratory is a participant in the Navy CLEAN Master Services Agreement (MSA) and is currently approved by the Navy for the requested analyses. All analyses employed for this project are EPA-approved methods.

The Navy has determined that Empirical is capable of compliance with the data quality objectives outlined in the work plan. Attached are (1) the table of analytical methods used, and (2) the Navy Approval letter showing NFESC acceptance of the laboratory to perform most of the requested methods for hazardous waste constituents where acceptance is appropriate.

Sincerely,

A handwritten signature in black ink that reads "Kelly A. Carper".

Kelly A. Carper
CLEAN IV Quality Assurance Manager

KAC/mlg
Attachments

cc: Mr. Robert Davis/TtNUS
Mr. Garth Glenn/TtNUS
Mr. John Trepanowski/TtNUS
Ms. Sherri Eng/NAVFAC Atlantic
Ms. Bonnie Capito/NAVFAC Atlantic

**NUMBER OF SAMPLES/ANALYTICAL METHODS
 NTC GREAT LAKES, GREAT LAKES, ILLINOIS
 CTO 0468, RI/FS**

Matrix	Parameter	Method	# Samples
Aqueous	TCL VOCs	SW-846 8260B	13
	TAL Metals	SW-846 6010B or 6020	10
Soil	TCL VOCs	SW-846 8260B	40
	TAL Metals	SW-846 6010B or 6020	40
	Grain Size	ASTM D421	3
	TCLP Organics	SW-846 1311/8260B, 8270C, 8081A, 8151A	1
	TCLP Metals	SW-846 1311/6010B/7470A	1



DEPARTMENT OF THE NAVY

NAVAL FACILITIES ENGINEERING SERVICE CENTER
1100 23RD AVE
PORT HUENEME CA 93043-4370

IN REPLY REFER TO:

NFESC 413
February 20, 2007

Mr. Randy Ward
QA Manager
Empirical Laboratory, LLC
227 French Landing Drive
Nashville, TN 37228

Dear Mr. Ward,

This correspondence addresses the status of Empirical Laboratory, LLC of Nashville, Tennessee in the Navy Environmental Restoration (ER) Quality Assurance (QA) Program as administered by the Naval Facilities Engineering Service Center (NFESC).

Your laboratory is accepted to perform sample analysis for the methods listed in Table 1. The period of acceptance expires June 12, 2008. This acceptance does not guarantee the delivery of any analytical samples. Acceptance is facility specific and can not be transferred to an affiliated or subcontract laboratory.

The Navy's assessment included a review of the laboratory's QA manual, selected standard operating procedures (SOPs) and SOP master list, list of major analytical instrumentation, performance test (PT) results and onsite assessment documentation¹.

The Navy reserves the right to conduct additional laboratory assessments or to suspend or revoke acceptance status for any or all of the listed parameters if deemed necessary.

Table 1

METHOD	PARAMETER	MATRIX
9056/300 Series	Anions: Chloride, Fluoride, Sulfate, Nitrate, Nitrite, and Ortho-phosphate	Water
9010B/9014	Total Cyanide	Water/Solid
8051A	Organochlorine Herbicides	Water/Solid
7470A/7471A	Mercury	Water/Solid
8260B	Volatile Organic Compounds	Water/Solid
8270C	Semivolatile Organic Compounds	Water/Solid
8330	Nitroaromatics & Nitramines	Water/Solid
8310	Polyaromatic Hydrocarbons	Water/Solid
8081A	Organochlorine Pesticides	Water/Solid

¹ State of New Jersey (Office of Quality Assurance) conducted an on-site assessment under National Environmental Laboratory Accreditation Conference (NELAC) requirements on March 21-23, 2006.

NFESC 413
October 24, 2006

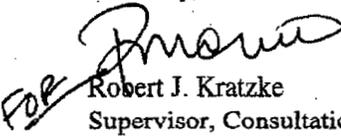
8082	Polychlorinated Biphenyls (PCBs)	Water/Solid
8015B	TPH (GRO/ DRO)	Water/Solid
6010B/7000A	TAL Metals: Aluminum, Antimony, Arsenic, Barium, Beryllium, Boron, Cadmium, Calcium, Chromium, Cobalt, Copper, Iron, Lead, Magnesium, Manganese, Mercury, Molybdenum, Nickel, Potassium, Silver, Sodium, Strontium, Thallium, Tin, Titanium, Vanadium, and Zinc	Water/Solid
7196A	Hexavalent Chromium	Water/Solid

Acceptance for use for parameters not identified on the table will be determined by Navy project personnel.

The laboratory should notify NFESC if there are parameters not presented on Table 1 that the laboratory expects to run on a routine basis in support of Navy installation restoration projects. In these circumstances the laboratory's capability to run the tests will be reviewed and the table will be modified accordingly.

Questions concerning the information provided should be directed to the NFESC IR QA Program coordinator, Ms. Patricia Moreno at (805) 982-1659, or via email at pati.moreno@navy.mil.

Sincerely,


 FOR
 Robert J. Kratzke
 Supervisor, Consultation/Information
 Management Branch