December 24, 2013

Stephanie Vaughn, Project Manager
USEPA Region 2
290 Broadway, 19th Floor
New York, New York 10007

Subject: ***December 2013 Electronic Data Submittal***
Lower Passaic River Study Area (LPRSA)
River Mile (RM) 10.9 Removal Action (RA)
CERCLA Docket No. 02-2012-2015

Dear Ms. Vaughn:

Enclosed please find three separate electronic data submittals for validated sampling results associated with the Re-suspension Water Column Monitoring, Air Monitoring and Post-dredge Sediment Sampling programs as part of the Lower Passaic River Study Area (LPRSA) River Mile (RM) 10.9 Removal Action (RA) activities. Data in this submittal include validated results and associated laboratory QC data for PCB congeners (PCBs), dioxins/furans (PCDDs/PCDFs) and Mercury for surface water monitoring samples, PCB Aroclors, Mercury and Particulate Matter (<= 10 microns) for air monitoring samples and PCB congeners (PCBs), dioxins/furans (PCDDs/PCDFs) and Mercury for sediment samples. This submittal is to accompany the December 2013 Monthly Progress Report of the LPRSA RM 10.9 RA.

The validated data zip archive files comprising this deliverable (LPR20131220.NJD980528996.Air_Monitoring.zip, LPR20131220.NJD980528996.Post-dredge_Sediment.zip and LPR20131220.NJD980528996.Re-suspension_WCM.zip) each contain the following individual text files:

- LPR20131220.NJD980528996.Batch_v3.txt
- LPR20131220.NJD980528996.DataProvider_v3.txt
- LPR20131220.NJD980528996.Location_v3.txt
- LPR20131220.NJD980528996.Sample_v3.txt
- LPR20131220.NJD980528996.Site_v3.txt
- LPR20131220.NJD980528996.TestResultQC_v3.txt

If you have any questions regarding this data submittal please contact me at 651-842-4232 or mkill@ddmsinc.com.

Sincerely,

de maximis Data Management Solutions, Inc.

Mark D. Kill
CPG Data Manager

/mdk

1217 Bandana Boulevard North · Saint Paul · Minnesota 55108
(651) 842-4224 · www.ddmsinc.com

Attachment: Zip files with validated results MEDDs

cc: Bill Potter – *de maximis, inc.*
Rob Law – *de maximis, inc.*

The following is a list of reference values to be added to the EPA database.

Table	Column	Value	Description
Sample_v3.txt	sample_matrix_code	AA	Ambient Air. Exists in EPA Region 2 format reference values.
Sample_v3.txt	sample_matrix_code	AQ	Air Quality Control Matrix. Exists in EPA Region 2 format reference values.
TestResultQC_v3.txt	lab_anl_method_name	TO-4A	PCBs in Air
TestResultQC_v3.txt	lab_anl_method_name	TO-9A	Dioxins/Furans, HRGC/HRMS in Air
TestResultQC_v3.txt	lab_anl_method_name	CFR50J	Particulate Matter (PM10)
TestResultQC_v3.txt	test_type	INITIAL-C	Initial – Calculation. Calculated concentrations from lab-reported mass and air volume data. Separate test type was needed in order to satisfy primary key constraints.
TestResultQC_v3.txt	result_unit, detection_limit_unit	ug	micrograms
TestResultQC_v3.txt	result_unit, detection_limit_unit	ug/m3	micrograms per cubic meter. Exists in EPA Region 2 format reference values.

The following errors generated by the EDP EDD checking software are not actually errors:

Table	Column	Error	Description
Location_v3.txt	alt_identifier	Missing required field	This field is not required in the schema. Documentation of the MEDD format says to leave blank.

FOIA_07123_0003732_0003

Table	Column	Error	Description
TestResultQC_v3.txt	validator_qualifiers	Missing required field	Records were validated (Validated_yn = "Y") but were not qualified by the validator, therefore validator_qualifier should be left as null.
TestResultQC_v3.txt	detect_flag	Result_value is required where detect_flag=Y.	This error message exists in cases of co-eluting PCB congeners. Each PCB congener result is being stored as a separate record in the CPG database. In cases of co-elutions, per EPA request, only the congener with the lowest IUPAC number receives a result value. Both records receive a qualifier of "C" plus the IUPAC number of the lowest number congener in the co-elution to indicate the linkage between the two result records.
TestResultQC_v3.txt	interpreted_qualifiers	Invalid Qualifier	Per EPA/CDMSmith request, for PCB congener results, co-elutions are identified in the interpreted_qualifier field with a' C###' qualifier. The '###' represents the lowest IUPAC congener number in the co-elution.
TestResultQC_v3.txt	lab qualifiers, interpreted_qualifiers	Invalid Qualifier, Value Exceeds Field Length	1.) Field contains original laboratory qualifiers. Lab qualifiers were transferred to interpreted_qualifiers field for lab QC data which does not receive validation. 2.) CPG has been instructed to use the 'EMPC' as a qualifier for results flagged as Estimated Maximum Potential Concentration by the laboratories. Adding this as a qualifier often exceeds qualifier field length when paired with other laboratory and validation qualifiers.