

workplan.hw.New-Cassel, 2006-09-18.D004437-08_CDM.pdf

From: Swapan Gupta
To: Lisa Cerniglia
Date: 9/18/2006 10:57:22 AM
Subject: Fwd: Re: Conceptual Approval Memo for work assignment - Vapor Intrusion Investigation, NCIA sites

Hi Lisa:

Pls issue this WA to CDM ID. Their have offices in the area and they need to be tasked with work. I will forward Sal's approval separately. Thanks.

-Swapan

>>> Chittibabu Vasudevan 09/18/06 10:08 AM >>>

Swapan: Attached are the memo and WA. Thanks

Chittibabu Vasudevan, Ph.D.,P.E.("Vasu")
Director, Remedial Bureau A
Division of Environmental Remediation
625 Broadway, 11th Floor
Albany, NY 12233-7015
Phone: (518) 402-9625
Fax: (518) 402-9627
e-mail: cxvasude@gw.dec.state.ny.us

>>> Swapan Gupta Monday, September 18, 2006 >>>

Hi Vasu:

Please send me over the WA budget and the CA memo that you sent to Sal for approval. Somehow we didn't receive a copy and we need that to issue the WA. I will be out for the remainder of the week so it would be nice if you can send it to me asap so that I can select a standby consultant before I leave. Also did you have a preference for a consultant? Thanks.

-Swapan

>>> Michael Cruden 09/15/06 8:46 AM >>>

>>> Sal Ervolina 09/14/06 5:23 PM >>>

I approve the conceptual approval memo to to conduct a vapor intrusion investigation at the NCIA sites. One WA will be issued for all these sites since they are adjacent to each other, but separate budgets will be kept for each site.

>>> Chittibabu Vasudevan 09/14/06 3:55 PM >>>

The attached conceptual memorandum seeks your approval to conduct soil vapor intrusion investigation site characterizations at the New Cassel Industrial Area sites, Site Nos. 130043A, B, C, E, F, K, N and V.

Also attached is the state superfund standby contract work assignment for this work. To conduct the soil vapor intrusion investigations for these sites, the estimated budget is \$256,000 with \$8,000 for work plan development.

This work assignment includes soil vapor intrusion investigation near each of the sites. The purpose is to determine the extent and concentrations of contaminants (principally VOCs) in the soil vapor and whether this contamination presents a significant threat to public health and/or the environment.

Pl let me know if you need further information. Thanks

Mike: Could you have your contract manager start the conflict of interest check with a couple of standby

consultants. Thanks

Chittibabu Vasudevan, Ph.D., P.E. ("Vasu")
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625 Broadway, 11th Floor
Albany, NY 12233-7015
Phone: (518) 402-9625
Fax: (518) 402-9627
e-mail: cxvasude@gw.dec.state.ny.us

CC: Cruden, Michael; Vasudevan, Chittibabu

From: Swapan Gupta
To: Lisa Cerniglia
Date: 9/18/2006 11:14:52 AM
Subject: Fwd: Re: Conceptual Approval Memo for work assignment - Vapor Intrusion Investigation, NCIA sites

CA by Sal for your files.

>>> Michael Cruden 09/15/06 8:46 AM >>>

>>> Sal Ervolina 09/14/06 5:23 PM >>>

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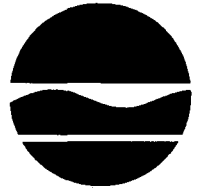
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Mike: Could you have your contract manager start the conflict of interest check with a couple of standby consultants. Thanks

Chittibabu Vasudevan, Ph.D.,P.E.("Vasu")
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**New York State Department of Environmental Conservation
Division of Environmental Remediation**

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Website: www.dec.state.ny.us



Denise M. Sheehan
Commissioner

MEMORANDUM

TO: Salvatore Ervolina, Assistant Division Director, DER

FROM: Chittibabu Vasudevan, Bureau Director

SUBJECT: Conceptual Approval Memo for Proposed Engineering Standby Contract
Work Assignment - Sites No. 130043-A, B, C, E, F, K, N and V, New Cassel
Industrial Area Sites

DATE: September 14, 2006

Site No., Name and Location: Sites No. 130043-A, B, C, E, F, K, N and V, New Cassel
Industrial Area Sites, New Cassel Industrial Area, Town of North Hempstead, Nassau County

Program Element: Soil Vapor Intrusion Investigation (Site Characterization)

Project Duration: One Year

Contractor: CDM

Estimated WA Budget: The Work Assignment budget will total approximately \$256,000 with
work plan development cost of \$8,000.

Funding Source: State Superfund

Brief Project Description: Soil Vapor Intrusion investigations will be performed for each of the
above listed sites, all of which are within the New Cassel Industrial Area..

ec: D. Weigel
G. Bobersky
D. Finlayson
M. Cruden
J. Jones
W. Parish

New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Program Management, 12th Floor
625 Broadway, Albany, New York 12233-7012
Phone: (518) 402-9764 • **FAX:** (518) 402-9722
Website: www.dec.state.ny.us



Via E-Mail & Regular Mail

September 18, 2006

Mr. Michael Memoli
Program Manager
Camp Dresser & McKee
100 Crossways Park West, Suite 415
Woodbury, New York 11797

RE: Work Assignment - Site Characterization
New Cassel Industrial Area
(Site No. 130043-A, B, C, E, F, K, N AND V)
Conflict of Interest

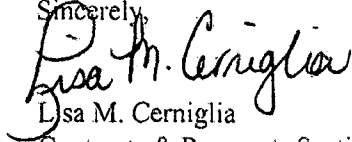
Dear Mr. Memoli:

The Department is contemplating issuing a work assignment for the above-referenced site(s). Below are, to the best of our knowledge, the known potentially responsible parties (PRPs):

- | | |
|---------------------------------|--|
| - IMC Magnetics | - Filco/Cobra, Inc. (formerly Autoline Automotive Corp.) |
| - Atlas Graphics, Inc. | - Fabric Bonanza (formerly National Bassen Textiles, Inc.) |
| - Barouh Eaton Allen Corp. | - 101 Frost Street Associates, LP |
| - 2632 Realty Development Corp. | - Adchem Corp. |
| - Tishcon Corp. | - Jerry Spiegel |
| - Arkwin Industries, Inc. | - Emily Spiegel Trust et. al. |
| - LAKA Tool & Stamping, Inc. | - 89 Frost Street Associates |
| - LAKA Industries, Inc. | - Millennium Realty, LLC |
| - DermKraft, Inc. | - Applied Fluidics, Inc. |
| - Grand Machinery | - AFI Corp. |
| - Nest Equities, Inc. | - LeBlari Associates, LP |
| - Wilbur Kranz | - Next Millennium Realty, LLC |
| - Utility Manufacturing Co. | - K.B. Company |

Please review your firm's contractual status with the above PRP(s), sign the enclosed **Conflict of Interest Certification** and return it to me within five (5) working days of receipt of this letter. If you have any questions, I can be reached by phone at (518-402-9747) or by e-mail lmcernig@gw.dec.state.ny.us.

Sincerely,



Lisa M. Cerniglia
Contracts & Payments Section
Bureau of Program Management
Division of Environmental Remediation

Enclosure

cc: D. Durfee

bec: M. Cruden
S. Gupta
J. Jones
T. Wolosen


Conflict of Interest Certification

The undersigned, representing **Camp Dresser & McKee**, hereby certifies for the **New Cassel Industrial Area (Site No. 130043-A, B, C, E, F, K, N AND V)**:

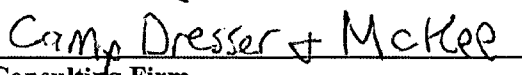
- 1) That I have been informed by the New York State Department of Environmental Conservation who the known potentially responsible parties are for the subject site, and
- 2) That to the best of my knowledge, **Camp Dresser & McKee** and the employees of the firm to be assigned to this project have no conflict of interest with the work proposed at this site, and
- 3) That presently **Camp Dresser & McKee** has no contracts with, nor imminent prospects of contracts with, potentially responsible parties associated with the above-named site, and
- 4) That **Camp Dresser & McKee** has no responsibilities to potentially responsible parties associated with the above-named site.

Camp Dresser & McKee also agrees to be bound by provisions of Appendix B, Section II of the Standby Contract between the Department and **Camp Dresser & McKee (Contract No. D004437)**.

Certified By:



Signature of Consultant



Consulting Firm



Date

From: "Durfee, Daniel" <DurfeeDD@cdm.com>
To: "Lisa Cerniglia" <lmcernig@gw.dec.state.ny.us>
Date: 6/5/2007 6:42:46 PM
Subject: FW: FW: New Cassel Background Info on CD

FYI...

-----Original Message-----

From: Watt, Maria
Sent: Monday, June 04, 2007 3:34 PM
To: jgjones@gw.dec.state.ny.us
Subject: FW: FW: New Cassel Background Info on CD

Hi Joe

I still do not have the remaining three RODs so I will not be able to address the Work Plan comments and submit the Finalized Work Plan by Wed June 6. I also did not hear back on the EPA analytical method.

Thanks
Maria Watt

-----Original Message-----

From: Watt, Maria
Sent: Wednesday, May 30, 2007 2:20 PM
To: jgjones@gw.dec.state.ny.us
Subject: FW: FW: New Cassel Background Info on CD

Hi Joe

We went thru all the additional data that you have sent. You have sent CDM information on Sites A, B and C. However, we are still missing the following RODs and have no background data on the sources of contamination for the following sites.

Site F: 68 Kinkle Street	1996
RI/1997 No Further Action ROD	
Site K: 62 Kinkle Street	Feb 2000
ROD	
Site V: 29 New York Ave	1999 RI/NFA
ROD 2002	

You have also sent information on Site's M and H, but they are not part of CDM's scope-of-work presently. Did you intend to add these?

Do you still want CDM to finalize the project plans by next Wed June 6 without this information or did you want to push back the schedule until we receive this remaining information. We would need at least 3-4 days to incorporate the data once we receive the information. If you still want to meet the due date of next Wed, we would need the data by COB on Friday. Let me know how you want us to proceed.

Also, in addressing the detection limit comment on the water, if we

switch to USEPA's OLC03.2 method for VOA's we will definitely be able to achieve the 1 ug/l on the water analysis. Is this OK with you? Let me know. Thanks.

Thanks
Maria Watt

-----Original Message-----

From: Joseph Jones [mailto:jgjones@gw.dec.state.ny.us]
Sent: Friday, May 18, 2007 3:19 PM
To: Watt, Maria
Subject: RE: FW: New Cassel Background Info on CD

I have tried to e-mail you the RODS for all the sites, but your e-mail system rejected the e-mails. I will have a CD made. this may take a few days.....

>>> "Watt, Maria" <WattMD@cdm.com> 5/14/2007 10:29 PM >>>
Joe

Since the Final Work Plan is due on June 6 (20 business days from the date of your comments), I would need this information by Monday May 21 in order to review the historical source information for the seven sites and incorporate this data into the Work Plan by June 6. Please let me know if this is possible. Thanks.

Thanks
Maria Watt

-----Original Message-----

From: Joseph Jones [mailto:jgjones@gw.dec.state.ny.us]
Sent: Friday, May 11, 2007 3:06 PM
To: Watt, Maria
Subject: Re: FW: New Cassel Background Info on CD

Workin on it. Will be out on Monday, hope to be back in touch Tuesday. enjoy your weekend.

>>> "Watt, Maria" <WattMD@cdm.com> 5/9/2007 8:11 PM >>>
Hi Joe

I received the 4 comments on the Draft Work Plan from you today. The first three comments looked fine. The fourth comment discussed the selection of the sampling locations and requested source areas be identified. Since the documentation that you sent us (Nov 27) did not discuss the source areas for the seven sites, we do not have the location of the initial source areas for the seven sites. The information that you sent did contain references to the documents listed below that may contain information on the source areas of the seven sites. If you could provide this information, we could better respond to Comment No. 4 and ensure the proper placement of the sampling locations. I did setup the CDM eroom that you could post this information to for the expedited transmission of the data if this is

easier for you. Let me know how you want to send the information.
Thanks.

Thanks

Maria Watt

From: /o=CDM/ou=CDMFED/cn=Recipients/cn=WattM
Sent: Wednesday, January 31, 2007 11:24 PM
To: jgjones@gw.dec.state.ny.us
Subject: FW: New Cassel Background Info on CD

Hi Joe

I called yesterday to let you know that I will be on vacation from next Thursday 2/8 returning to work Thursday 2/22. If you need to reach me while I'm on vacation, you can call me on my cell at (908) 489-2852.

I also wanted to talk to you about the Draft Work Plan that CDM submitted. We tried to locate the samples for each of the seven sites, but the data below that you provided was mostly for the off-site (OU3) groundwater and did not discuss or present the location of potential source areas for each of the seven sites. In our review of the documentation, the following documents would be appropriate to review before finalizing the sampling locations:

Site A: 570 Main Street	1996 RI
Site B: 567 Main Street for AS/SVE	Feb 2000 ROD
Site C: 125 State Street issued	1998 ROD
Site F: 68 Kinkle Street RI/1997 No Further Action ROD	1996
Site K: 62 Kinkle Street ROD	Feb 2000
Site V: 29 New York Ave ROD 2002	1999 RI/NFA

These documents will contain site-specific information that is critical for the proper placement of sample locations. Let me know if you can provide this documentation to CDM or if NYSDEC is going to modify and approve the proposed locations based upon NYSDEC's review of this documentation and site-specific knowledge.

Thanks

Maria Watt

From: /o=CDM/ou=CDMFED/cn=Recipients/cn=WattM
Sent: Monday, November 27, 2006 1:50 PM
To: jgjones@gw.dec.state.ny.us
Subject: New Cassel Background Info on CD

Hi Joe

I just received the CD from you this morning. The files on the CD are listed below.

1. Summary Report on New Cassel Industrial Area dated 2/95
2. Multisite PSA Report dated 3/96
3. New Cassel Industrial Area Off-Site Groundwater RI Report Vol I, dated 9/00
4. New Cassel OU 4, Vapor Intrusion Investigation dated 3/06
5. New Cassel OU 3 ROD dated 10/03

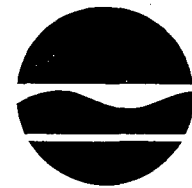
The initial Work Assignment included a Vapor Investigation at Sites 1-30-043A,B,C,E,F,K,N and V. I know at the site walk that you mentioned that Site E would be removed from the scope, but you said Site S may be included. Is Site E being excluded and Site S being included? Let me know.

How was your Thanksgiving?

Thanks

Maria Watt

New York State Department of Environmental Conservation
Division of Environmental Remediation
Bureau of Program Management, 12th Floor
625 Broadway, Albany, New York 12233-7012
Phone: (518) 402-9764 • **FAX:** (518) 402-9722
Website: www.dec.state.ny.us



Denise M. Sheehan
Commissioner

Via e-mail and regular mail

October 4, 2006

Mr. Michael Memoli, P.E.
Program Manager
Camp Dresser & McKee
100 Crossways Park West, Suite 415
Woodbury, New York 11797

Dear Mr. Memoli:

Re: Work Assignment #D004437-8
New Cassel Industrial Area
Site No. 130043-A, B, C, E, F, K, N and V

Enclosed is a copy of a State Superfund Work Assignment (WA) for the above-referenced project. Please acknowledge receipt by returning a signed copy of this letter to me within one week of receipt.

This WA has been identified by an alpha-numeric designation denoting Camp Dresser & McKee's contract number and sequential number of this WA. Although this letter authorizes the expenditure of Work Plan Development Cost funds, these funds will not be available for payment until the Office of the State Comptroller (OSC) encumbers monies for this WA (generally this takes four weeks).

Project Name:	New Cassel Industrial Area
W.A. Number:	D004437-8
Site Number(s):	130043-A, B, C, E, F, K, N and V
Operable Unit No.:	N/A
Program Element:	SC
NYSDEC Project Manager:	Joseph Jones
Phone Number:	(518) 402-9621

Work Plan Development Cost Authorization (Task 1):	\$ 8,000.00
Estimated Work Assignment Budget (Tasks 2-3):	\$248,000.00
Total Estimated Work Assignment Budget (All Tasks):	\$256,000.00

Also enclosed is a copy of the work plan development schedule. All efforts should be made to adhere to it. Final work plans and budgets are to be developed so that a Notice to Proceed can be issued within a maximum of 90 days. Failure to do so may result in termination of this WA and will affect your firm's receipt of future work assignments.

A work plan submitted to the Department should include the following items:

1. **Description of major tasks and sub-tasks.**
2. **Detailed work assignment progress schedule with milestones.**
3. **Identification of areas of work requiring subcontracting.**
4. **A detailed work assignment budget** broken down by tasks and sub-tasks (using schedule 2.11 in the contract) in accordance with the contract's budget reporting requirements, utilizing cost rates and factors contained in the base contract (see Article 4 of contract), applied to the approved level-of-efforts. Schedule 2.11(b) must include all labor hours inclusive of administrative labor hours which should be presented separately in Schedule 2.11(b-1).
5. **A staffing plan** identifying management and technical staff and their responsibilities (submit resumes only for unapproved employees).
6. **A final M/WBE Utilization Plan** identifying subcontracts most likely to result in M/WBE utilization to be submitted to this office within two weeks.

If you have any questions concerning contractual procedures, please contact Lisa Cerniglia at (518) 402-9747. If you have any questions concerning WA-related technical issues, please contact the New York State Department of Conservation project manager identified in this letter. Please submit five (5) double-sided copies of the Work Plan and all responses on this WA to me.

Sincerely,



Michael Cruden
Chief
Contracts and Payments Section
Bureau of Program Management

Enclosures

Date Received and Accepted: _____

Signature of Consultant: _____

cc: w/o encs. - D. Durfee

ec: C. Vasudevan
G. Bobersky
M. Cruden
J. Jones, PM
L. Cerniglia, CM
B. Moulhem
T. Wolosen
W. Parish

STATE SUPERFUND STANDBY CONTRACT WORK ASSIGNMENT

Site Characterization

New Cassel Industrial Area Sites 1-30-043A, B, C, E, F, K, N and V

Soil Vapor Intrusion Investigation

Nassau County, New York

NYSDEC Project Manager: Joseph Jones

I Work Assignment Objectives

The purpose of this Engineering Standby Contract Work Assignment is to conduct a Soil Vapor Intrusion Investigation at Sites 1-30-043A, B, C, E, F, K, N and V in the New Cassel Industrial Area.

II Site History and Background

The New Cassel Industrial Area (NCIA) is located in the Town of North Hempstead, Nassau County. It encompasses approximately 170 acres of land. It is bounded by the Long Island Railroad to the north, Frost Street to the east, Old Country Road to the south, and Grand Boulevard to the southwest. The NCIA is a heavily developed industrial and commercial area. Development in this area dates back to the 1950's and many of the properties have housed various businesses over the years. The topography is generally flat. A total of seventeen (17) sites within the NCIA were listed as Class 2 sites in the New York State Registry of Inactive Hazardous Waste Disposal Sites (the Registry). The listing of the 17 Class 2 sites, occurred between May 1995 and September 1999.

The investigations to be performed in this work assignment are deemed to fall within Operable Unit 2 for each site. An operable unit represents a portion of the site remedy that for technical or administrative reasons can be addressed separately to eliminate or mitigate a release, threat of release or exposure pathway resulting from the site contamination.

III Geology and Hydrology

The Upper Pleistocene deposits of poorly sorted sand and gravel that make up the Upper Glacial Aquifer (UGA) are found from the surface to a depth of approximately 80 ft below ground surface (bgs). The Magothy is located beneath the UGA and consists of finer sands, silt and small amounts of clay. Based on observations during installation of wells for previous investigations, the Magothy is sometimes found at significantly shallower depths (60-80 ft bgs) in the NCIA than in many other areas of Long Island.

In the area of the NCIA, there are no other hydro-geologic units located between the UGA and the underlying Magothy formation. The UGA and the Magothy are in direct hydraulic connection; however, clay lenses are often found in the upper Magothy in this area. Depth of water table is between 55-65 ft bgs in the NCIA, and groundwater flows in a southwesterly

direction. Both the UGA and the Magothy have been designated as sole source aquifers and are protected under state and federal legislation.

IV Scope of Work

Task 1: Work Plan Development

Task 1A The Engineer will develop a Draft Work Plan. The Draft Work Plan will include the following:

- Summary of the site reconnaissance and records searched described below:
 - Review of available background information starting with documents from the NYSDEC Central and Regional Office, Nassau County Department of Health
 - Regulatory-Database Review, including review of the Remedial Investigation, Feasibility Study, Record of Decision and groundwater monitoring reports for the NCIA and for each of the sites.
 - Site Reconnaissance visit for all the sites with the NYSDEC Project Manager scheduled by the NYSDEC within two weeks of the Engineer's acceptance of the Work Assignment.
- A general scope of work for the Soil Vapor Intrusion Investigations
- Identification of the preliminary field activities and primary areas of concern
- A detailed level of effort for work plan development
- Preliminary level of effort and budget for the Soil Vapor Intrusion and Groundwater Investigations
- Preliminary schedule of milestones and deliverables
- List of key staff, their titles and responsibilities
- Preliminary subcontracting list including a Minority/Women-owned Business Enterprise (M/WBE) Utilization Plan

Task 1B The Final work plan will be delivered to the NYSDEC by the Engineer within one week after the NYSDEC's acceptance of the Draft Work Plan. Development of a Final Work Plan will include, if necessary, a meeting between the consultant's representatives and appropriate NYSDEC staff in Albany to review comments and

details of the Draft Work Plan. The NYSDEC will allow reasonable time for revision and submission of the Final Work Plan. The Final Work Plan will include the following:

- Detailed level of effort and budget for all work, including subcontracting. Separate budgets must be prepared for each of the eight sites.
- All pertinent information to conduct field activities including sampling locations, analytical methods, and a detailed schedule of progress with milestones and deliverables. Any decisions to be made in the field will be clearly stated.
- Summary of the site reconnaissance and records searched described above.
- Staffing Plan that identifies and states the responsibilities of the primary staff who are to manage and oversee these characterizations.
- The identity of the subcontractors and the M/WBE commitment
- Site specific Health and Safety Plan, Quality Assurance Project Plan, and a Citizen Participation Plan as follows:
 - Health and Safety Plan
 - This plan will be developed based on the most recent Federal State and Local statutes and regulations. The plan will include a section on Community Health and Safety as well as Community Air Monitoring.
 - Quality Assurance Project Plan
 - A plan must be generated by the Engineer that identifies the steps taken to protect sample quality throughout the Work Assignment. Samples that are to be analyzed at a lab must be analyzed by a NYSDOH ELAP certified Lab that has ELAP certification for the methods selected. This plan must comply with all elements in Schedule 1, Work Element V of the standby contract. A third party that is independent of the laboratory that analyzed the samples and independent of the consulting firm must validate all samples collected. A Data Usability Report must be generated by the Engineer's QA officer and delivered to the NYSDEC with the report.
 - Citizen Participation Plan
 - The Engineer will be called upon to develop a Citizen Participation Plan which will identify groups, individuals, and officials that may be interested

in any remedial activities that take place at these sites. This plan will involve determining the addresses of adjacent property owners and local officials, advocacy groups. The Engineer may be called upon to provide information and help plan a pre-characterization public meeting or generate a fact sheet to be distributed to the addresses compiled.

When the Work Plan is approved by the NYSDEC, a notice to proceed will be sent from the NYSDEC to the Engineer. Work Plan development will be scheduled so a Notice to Proceed can be issued within 90 days of Work Assignment acceptance. No work beyond Task 1 will begin until a Notice to Proceed is issued by the NYSDEC.

Task 2: Site Investigation

A field investigation will be conducted to determine the sources of contamination at each site and its threat to human health or the environment. The consultant must complete the following specific subtasks for each site:

- Base Map Development
 - Prior to sampling, an initial map of the site must be developed to locate sampling points and show relevant features (roads, structures, etc.). The scale must be one inch to 40 feet and the general groundwater flow must be represented for areas of concern within the site.
- Survey
 - During the field work the location (within 0.1 feet) of each sample point will be determined and presented on the revised base map with a scale of one inch to 40 feet.
- Soil Gas Investigation
 - The soil gas investigation will be performed in accordance with the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (Public Comment Draft, February 2005).
 - Temporary soil gas probes will be installed at up to five locations for each site. Precise locations will be selected by the consultant, in consultation with the NYSDEC project manager, to determine whether vapor phase contaminants are present within the investigation area. Temporary soil gas probes will be installed using direct-push technology to drive stainless steel rods equipped with detachable stainless steel drive points to the desired depth. The desired depth for

each sample point will be determined by the consultant and the NYSDEC project manager.

- Prior to collection of soil gas samples, the temporary soil gas probes will be purged in accordance with the NYSDOH guidance for evaluating soil vapor intrusion.
 - Soil gas samples will be collected at three depths below ground surface; one at the depth of a typical building foundation (about 8 ft bgs), one at approximately 25 ft bgs, and one just above the water table interface (typically 35-50 ft bgs in the area of the investigation).
 - Tracer gas will be used during the soil gas investigation in accordance with the NYSDOH guidance for evaluating soil vapor intrusion. At a minimum, one soil vapor sampling location per site will be evaluated with tracer gas.
 - The soil gas samples will be analyzed by an ELAP certified lab for volatiles using EPA Method TO-15. A minimum reporting limit of 1 microgram per cubic meter ($\mu\text{g}/\text{m}^3$) must be achieved for all analytes and all results must be reported in micrograms per cubic meter. The laboratory should report preliminary results within 10 days of receipt of the samples.
 - Upon completion of the sampling, the sample tubing will be removed and the temporary soil gas probe location will be backfilled with bentonite and illustrated on the site map so that it can be located at a later date. Borings performed in paved or concrete areas will be backfilled and restored at the ground surface with cold patch or concrete.
 - An interim report summarizing the data collected above shall be submitted to the NYSDEC within four weeks of the completion of the above tasks. The report shall include a site map which identifies all sample locations, all data collected, and a summary of the field activities.
- Groundwater Sample Collection
 - Groundwater samples will be collected from approximately five (5) locations at each site to determine whether VOC groundwater contamination exists. Samples will be collected at existing groundwater wells or as grab samples from temporary locations selected by the NYSDEC to determine whether vapor phase contaminants are present within the investigation area. The Consultant shall participate in visits to each of the sites included in this Work Assignment in order

to verify the proposed sampling locations with the NYSDEC and the Driller prior to mobilization.

- Groundwater samples will be analyzed by an ELAP certified lab for volatiles by EPA method 8260. Unless otherwise directed, purge water will be discharged to sanitary sewer. If NAPL or a odor is observed, or if directed by the NYSDEC, the purge water must be staged in an appropriate container and disposed of accordingly.
- All non dedicated equipment and tools used to collect samples for chemical analysis will be decontaminated prior to and between each sample interfal using an Alconox rinse and potable water rinse prior to reuse. Additional cleaning of the equipment with steam may be needed under some circumstances. Decontamination fluids will be discharged to sanitary sewer unless otherwise directed by the NYSDEC.
- Field notebooks will be used during all on-site work. A dedicated field notebook will be maintained by the field technician overseeing the site activities. In addition to the notebook, any and all original sampling forms, purge forms and notebooks used during the field activities shall be submitted to the NYSDEC as part of the final report. All field procedures should be photodocumented.
- The depth to groundwater in existing monitoring wells will be gaged to provide information on hydraulic gradient and groundwater flow in the vicinity of the site and to provide information regarding the presence/absence of NAPL. Water levels will be measured using an interface probe and be properly documented.
- Groundwater samples will be collected from existing monitoring wells after three (3) well volumes have been purged using either a NYSDEC approved pump, check valve, or bailer after the turbidity has been reduced to 50 NTUs or less (in low yield wells, the sample may be collected after well recharges if purged dry). The groundwater samples will be collected either by a Teflon Waterra check valve and dedicated tubing or a dedicated bailer (or an alternative method approved by the NYSDEC).
- If groundwater samples cannot be collected from existing wells at the site, groundwater samples will be collected by direct-push sampling techniques. The sampling device shall consist of a stainless steel screen with a protective sheath at the base of the drive rods and will be advanced to the desired sampling depth by the Driller. The groundwater sample will be collected via dedicated Teflon or polyethylene lined tubing of laboratory or food grade quality.

- Upon completion of the sampling, the sample tubing will be removed and the temporary monitoring well location will be backfilled with bentonite and shall be illustrated on the site map so that it can be located at a later date. Borings performed in paved or concrete areas shall be backfilled and refinished at the ground surface with cold patch or concrete.
- Sample Identification
 - Soil Vapor samples will be identified as (Site ID)-V-1S through 5S for shallow locations, (Site ID) -V-1M through 5M for intermediate locations, and (Site ID)-V-1D through 5D for deep locations.
 - Groundwater samples will be identified as (Site ID)-GWGP-1 through 5 for temporary points and as (Site ID)-GWMW-(Monitoring Well ID) for existing monitoring wells.
- Data Validation
 - All samples collected must be validated by a party that is independent of the laboratory which performed the analyses and the consultant which performed the fieldwork. A usability analysis will be conducted by a qualified data validator and a Data Validation/Usability report will be submitted to the NYSDEC.

Task 3: Site Investigation Report

Documents will be, in addition to hard copies, provided electronically to the NYSDEC in Adobe Acrobat (.pdf) format. Preliminary reports and supporting documents for the final reports must also be delivered to the NYSDEC. These preliminary and supporting documents must contain a cover page indicating that they are not the finalized documents and state the percent of work this document represents and the amount of work that remains. At the time of Work Assignment completion, the Engineer will submit all final documents and data that were generated during the Work Assignment to the NYSDEC. All data generated under this Work Assignment shall be submitted in an electronic data deliverable (EDD) that complies with the Division's Electronic Data Warehouse Standards or as otherwise directed by the NYSDEC.

At the time of completion of the Work Assignment services, the Engineer shall deliver to the NYSDEC the original copies, two reproducible copies, plus additional copies, of all final plans, drawings, specifications, computations, designs, construction data, reports, record drawings, and all other documents and data pertaining to the work which is the subject of the Work Assignment to the extent that the information has not already been furnished.

- Throughout the Work Assignment
 - The Engineer will continuously monitor and evaluate budget and project status. A Cost Control Report, Project Report, and Progress Schedule Update will be generated by the Engineer and delivered to the NYSDEC on a monthly basis. A quarterly report indicating M/WBE utilization by amount of work in dollars assigned to and accomplished by M/WBE will also be delivered to the NYSDEC.
- After Field Work is completed
 - The Final Investigation Report must include the following:
 - Summary of all data collected as part of the field work or records search. Include maps, tables, and other visual aides as warranted.
 - Summary of the hydrological and physical condition of the site, as pertaining to soil vapor.
 - Summary of the activities that took place during the field investigation included surveyed map locations and identify areas of concern.
 - Recommendations for additional sampling areas and types, include narrative on data gaps and usability of the data.

V Period of Performance

This Work Assignment will be completed within twelve months of the Notice to Proceed. A tentative schedule follows.

VI Work Assignment Cost Authorization

Eight thousand dollars is authorized for work plan development. No additional funds will be authorized until the work plan is approved.

VII Budget

The following table provides the estimated individual budget for each of the eight sites included in this WA.

ITEM	BUDGET PER SITE	TOTAL BUDGET
Task 1 - Work Plan Development	\$1,000	\$8,000
Task 2 - Soil Vapor Intrusion and Groundwater Investigations		
Site Surveys	\$1,000	\$8,000
Soil Vapor Intrusion sampling	\$10,000	\$80,000
Groundwater sampling	\$10,000	\$80,000
Sample Analysis	\$5,000	\$40,000
Data Validation	\$1,000	\$8,000
Task 3 - Investigation Report		
Draft Report	\$2,000	\$16,000
Final Report	\$2,000	\$16,000
Total	\$32,000	\$256,000

VIII Work Assignment Schedule

Task	Duration (weeks)
1A - Draft Work Plan	6
1B - Final Work Plan	4
2 - Remedial Investigation	12
3 - Report	8

From: Joseph Jones
To: Cerniglia, Lisa
Date: 6/19/2007 9:49:03 AM
Subject: Re: NCIA

Yes, please.

>>> Lisa Cerniglia 6/18/2007 2:01 PM >>>
Hi Joe -

I received the Final WP in from CDM for the above-referenced site. Do you need to take a look at it before I do the NTP letter?

Lisa

Mike

Sal's approval
indicates there
will be separate
budgets for each
site and I assume
separate payments.
I don't see that

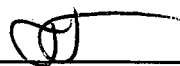




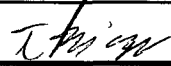



D

Nu Cassel is different.
Originally, the WP was
submitted as a multi-site
and the schedule 2.11's were
89 pages!

Previous Nu Cassel WA's
have had the Consultant
provide a breakdown of
costs by site in the back
of the Summary CAP, which
the CM inputs into OIS.
Looks is ok with this
approach.

Mike

511054

PROJECT NAME: New Cassel Industrial Area		Site No. 130043-A, B, C, F, K, N and V	WA #: D004437-8
TO: Dale A. Desnoyers			
The attached Work Plan is submitted for your approval. It has been checked and approved by:			
	<i>Name</i>	<i>Initials</i>	<i>Date</i>
Project Manager (scope, level-of-effort, subcontracting).	J. Jones		6/29/07
Contract Manager/Cost Reviewer (conformance with contract, protocols, and cost reasonableness).	L. Cerniglia		6/20/07
M/WBE Unit	Brenda Moulhem		7/2/07
Chief, Contracts and Payments Section	Mike Cruden 		7/5/07
T. Wolosen, Fiscal Management Section	Tim Wolosen		7/5/07
Bureau Director	Donna Weige 		7/10/07
Assistant Division Director	Sal Ervolina		7/11/07
PLEASE CALL LISA CERNIGLIA AT 2-9747 AFTER SIGN-OFF			

2 2007

u



Raritan Plaza I, Raritan Center
Edison, New Jersey 08818-3142
tel: 732 225-7000
fax: 732 225-6147

June 13, 2007

Ms. Lisa M. Cerniglia
Contract Manager
New York State Department of Environmental Conservation
625 Broadway - 12th Floor
Albany, NY 12233-7015

PROJECT: NYSDEC Standby Contract No. D004437
Work Assignment No.: D004437-8

SUBJECT: Final Work Plan Submittal
New Cassel Industrial Area (Site No. 1-30-043 A, B, C, F, K, N and V)
North Hempstead, Nassau County, New York

Dear Ms. Cerniglia:

Camp Dresser & McKee (CDM) is pleased to submit this Final Work Plan for the soil vapor intrusion evaluation at the New Cassel Industrial Area site located in North Hempstead, Nassau County, New York. Enclosed are five copies for your review and approval.

If you have any questions regarding this Final Work Plan, please contact me at (732) 590-4659.

Very truly yours,

Maria D. Watt, P.E.
Project Manager
Camp Dresser & McKee

Enclosure

New York State Department of Environmental Conservation
New Cassel Industrial Area D004437-8

I have reviewed the cost sections for the above referenced WA. The cost sections appear to be reasonable and satisfactorily completed. The following checklist outlines the review process and review comments.

	GENERAL COST REVIEW CHECKLIST	Yes	No	Comments
	Is there a complete set of 2.11 Schedules (a) through (h)?	X		
1.	Schedule 2.11(a)			
	Do rates for indirect and fee match contract rates? (Are sliding rates applicable?)	X		
	Do numbers add up?	X		
2.	Schedule 2.11(b) - Direct Labor			
	Are average reimbursement rates used for each year? (Check rates in contract vs. time period of WA.)		X	Small project/short duration
	Are hours segregated by year?	X		
	Is total cost for each NSPE level shown?	X		
	Does total direct labor costs match amount on Schedule 2.11(a)?	X		
	Do total hours match hours on Schedule 2.11(h)?	X		
	Is the Principal's (NSPE level 9) time less than 2% of total time?	X		
3.	Schedule 2.11(b-1) - Direct Administrative Labor Hours			
	Is breakdown of Schedule 2.11(b-1) reasonable (i.e within acceptable guidelines - 4% overall budget and 2% for Principal)? If not, did Consultant submit acceptable justification?		X	Small project-acceptable to exceed 4% criteria
4.	Schedules 2.11(c) and (d) - Direct Non-Salary			
	Are rates listed in Schedule 2.11(c) consistent with contract?	X		
	Are rates for in-house and/or miscellaneous costs in their contract? If not, are quotes included for any item (<u>including</u> equipment purchases & rentals; <u>excluding</u> air fare) >\$1k?	X		
	Are there any unallowable costs? (e.g. telephone and shipping cannot be reimbursed as a direct cost if included in ICR.)		X	
	Are appropriate lodging/per diem rates used?	X		
	Are rates approved for consultant-owned equipment?	X		
	Does total direct non-salary costs match amount on Schedule 2.11(a)?	X		
	Are other direct costs (# of travel days, lodging, and field equipment usage) reasonable based on field work schedule or supporting documentation from consultant?	X		
5.	Schedule 2.11(e) - Cost-plus-fixed-fee subcontracts			
	Is proposed subconsultant on standby? If not, does proposed subconsultant have DEC approved rates with another standby consultant?	X		
	Is subcontract contract active and do rates (salary, indirect and fee) match?	X		
	Is there a breakdown of direct non-salary costs (i.e, are additional Sch. 2.11's needed)?	X		

	GENERAL COST REVIEW CHECKLIST	Yes	No	Comments
	Does total subcontract amount match Schedule 2.11(a)?	X		
	Has subcontractor justified/obtained adequate quotes for any subcontracted work?	X		
6.	Schedule 2.11(f) - Unit Price Subcontracts			
	Are proposed subcontractors on standby? If not, are there quotes for subcontracts >\$1k? Bids should be comparable (quantities and items) and provide unit costs plus job total.	X		
	<i>Standby Drillers</i> (Two phase process) - Are costs from at least 3 standbys compared? If not, an additional quote from a non-standby driller may be needed. Are proper unit costs and mob/demob costs used?	X		
	<i>Standby Lab and Data Validators</i> (Used on a rotational basis) - Do unit cost per sample match unit cost in standby contract?	X		
	<i>Other</i> - Standard solicitation rules (quotes) apply for services >\$1k.	X		
	<i>M/WBE</i> - Are sole source M/WBE contracts <5k and cost reasonableness documented?	X		
	Is management fee calculated only on non-professional unit priced subs > \$10k? Appropriate rate?	X		
7.	Schedule 2.11(g) - Cost Control Report			
	Do individual 2.11(g)s equal summary 2.11(g) and costs match 2.11(a).?	X		
8.	Supplemental 2.11(g) - Cost Control Report (subs)			
	Do schedules include all applicable subcontracts and management fee?	X		
9.	Schedule 2.11(h) - Summary of Labor Hours			
	Do hours on 2.11(h) match those on 2.11(b)?	X		
10	Supplemental Supporting Cost Information			
	Has additional cost info. been supplied which has not been incorporated into WA budget documentation? List:		X	

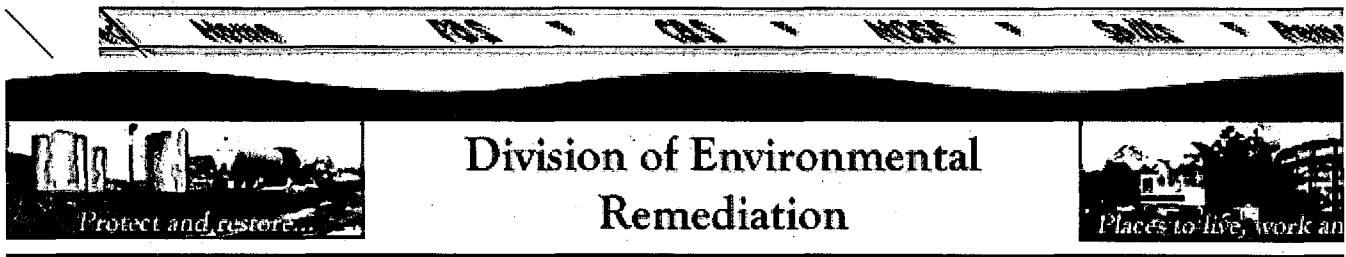
Consultant CDM
 Project Name New Cassel Industrial Area
 Work Assignment Number D004437-8

Date Prepared 6/13/07

**BREAKDOWN OF ADMINISTRATIVE
 LOE HOURS ON SCHEDULE 2.11(b-1)**

ADMIN ACTIVITY	WORK PLAN DEVELOPMENT		REVIEW WORK ASSIGNMENT (WA) PROGRESS			
	Conflict of Interest Checks	Prepare 2.11 Schedules	Progress Reviews	Monthly Report/Update Schedules	MBE/WBE Activities	Program Management
NSPE	9 8 7 6 5 4	7 6 5 4 3 2 1	8 7 6 5	8 7 6 5 4 3 2 1	8 7 6 5 4 3 2 1	9 8 7 6 5 4
<i>Task 1</i>	1.5	1				1
<i>Task 2</i>			1	.5	1	1
<i>Task 3</i>				1	1	2
TOTAL						

ADMIN ACTIVITY	CAP PREPARATION		MISCELLANEOUS			
	<i>Monthly Cost Report/CAP</i>	<i>Oversee CAP</i>	<i>Update NSPE</i>	<i>Equipment Use/Inventory</i>	<i>Word Processing Report Preparation</i>	<i>Total Adm. LOE (hrs.)</i>
NSPE	8 7 6 5 4 3 2 1	9 8 7 6	8 7 6 5 4 3 2	4 3 2 1	4 3 2 1	9 8 7 6 5 4 3 2 1
<i>Task 1</i>	4				3	10.5
<i>Task 2</i>	4				3	10.5
<i>Task 3</i>	4	2			4	14
<i>Task 4</i>						
<i>Task 5</i>						
<i>Task 6</i>						
<i>Task 7</i>						
<i>Task 8</i>						
<i>Task 9</i>						
TOTAL						

[Return to Search Results](#)[Return to Contract](#)

Contract No:	D004437	Contract Type:	Engineering Standby Contract
Contractor Name:	CAMP DRESSER & MCKEE		

WA Distribution

First	Prev	Next	Last
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 Record 19 of 24

Work Assign No: 08

WA Breakdown No: 005036

WA Breakdown Desc: NEW CASSEL INDUSTRIAL AREA

Fiscal Information

Funding Source:	Allocated: \$	256,000.00
HWCA <input checked="" type="checkbox"/>	Encumb: \$	256,000.00
Cost Center: Var: Year:	Paid: \$	7,980.76
680101 L6 05		

Site Information

Site ID:	130043
OU:	
OU Desc:	
Site Name:	NEW CASSEL INDUSTRIAL
City/Village:	NEW CASSEL
Program Element:	Site Characterization <input checked="" type="checkbox"/>

WA Breakdown Comments

--

[New WA Dist.](#)[Add Fiscal](#)[Edit](#)[Search](#)

Add Payment

Payment Information

Payment Desc.	Process Date	Payment No.	Amount	Task No.	Task Type	Phase
NEW CASSELL INDUSTRIAL AREA	01/05/2007	3	\$ 4,304.96			
NEW CASSELL INDUSTRIAL AREA	02/20/2007	4	\$ 750.99			
NEW CASSEL INDUSTRIAL	04/02/2007	5	\$ 2,924.81			

#3 = 614.99 x 7 = 4,304.93
#4 = 107.28 x 7 = 750.96
= 417.83 x 7 = 2,924.81

A, B, C, F, K, N, V

36,591

New York State Department of Environmental Conservation

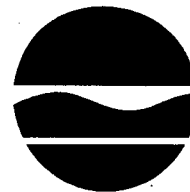
Division of Environmental Remediation, 12th Floor

625 Broadway, Albany, New York 12233-7011

Phone: (518) 402-9706 • FAX: (518) 402-9020

Website: www.dec.state.ny.us

L. Cerniglia



Alexander B. Grannis
Commissioner

Via E-Mail and Regular Mail

JUL 13 2007

Mr. Michael Memoli, P.E.
Program Manager
Camp Dresser & McKee
100 Crossways Park West, Suite 415
Woodbury, New York 11797

Re: Work Plan Approval/Notice to Proceed
Contract/WA No. - D004437-8
Site Nos. - 130043-A, B, C, E, F, K, N and V
Site Name - New Cassel Industrial Area

Dear Mr. Memoli:

The New York State Department of Environmental Conservation's Division of Environmental Remediation (DER) approves the work plan dated June 2007 for the above referenced work assignment (WA) for the total amount of \$273,294 for performing Soil Vapor Intrusion Investigations at each of the above-referenced sites.

DER authorizes your firm to proceed with the scope of work in this WA's approved work plan. All work should be completed in accordance with the schedule in the approved work plan.

If you have any questions regarding this work plan, please contact the Project Manager, Joseph Jones, at (518) 402-9621.

Sincerely,


Dale A. Desnoyers

Division Director

Division of Environmental Remediation

Enclosure

ec:

J. Jones
L. Cerniglia ✓
T. Wolosen
S. Gupta
M. Cruden
G. Bobersky
D. Weigel
C. Vasudevan
D. Desnoyers
B. Moulhem

From: Swapan Gupta
To: Lisa Cerniglia
Date: 9/18/2006 11:14:52 AM
Subject: Fwd: Re: Conceptual Approval Memo for work assignment - Vapor Intrusion Investigation, NCIA sites

CA by Sal for your files.

>>> Michael Cruden 09/15/06 8:46 AM >>>

>>> Sal Ervolina 09/14/06 5:23 PM >>>

I approve the conceptual approval memo to to conduct a vapor intrusion investigation at the NCIA sites. One WA will be issued for all these sites since they are adjacent to each other, but separate budgets will be kept for each site.

>>> Chittibabu Vasudevan 09/14/06 3:55 PM >>>

The attached conceptual memorandum seeks your approval to conduct soil vapor intrusion investigation site characterizations at the New Cassel Industrial Area sites, Site Nos. 130043A, B, C, E, F, K, N and V.

Also attached is the state superfund standby contract work assignment for this work. To conduct the soil vapor intrusion investigations for these sites, the estimated budget is \$256,000 with \$8,000 for work plan development.

This work assignment includes soil vapor intrusion investigation near each of the sites. The purpose is to determine the extent and concentrations of contaminants (principally VOCs) in the soil vapor and whether this contamination presents a significant threat to public health and/or the environment.

Pl let me know if you need further information. Thanks

Mike: Could you have your contract manager start the conflict of interest check with a couple of standby consultants. Thanks

Chittibabu Vasudevan, Ph.D.,P.E.("Vasu")
Director, Remedial Bureau A
Division of Environmental Remediation
625 Broadway, 11th Floor
Albany, NY 12233-7015
Phone: (518) 402-9625
Fax: (518) 402-9627
e-mail: cxvasude@gw.dec.state.ny.us

**New York State Department of Environmental Conservation
Division of Environmental Remediation**

Remedial Bureau A
625 Broadway, 11th Floor
Albany, New York 12233-7015
Phone: (518) 402-9625 • Fax: (518) 402-9022
Website: www.dec.state.ny.us



MEMORANDUM

TO: Salvatore Ervolina, Assistant Division Director, DER

FROM: Chittibabu Vasudevan, Bureau Director

SUBJECT: Conceptual Approval Memo for Proposed Engineering Standby Contract
Work Assignment - Sites No. 130043-A, B, C, E, F, K, N and V, New Cassel
Industrial Area Sites

DATE: September 14, 2006

Site No., Name and Location: Sites No. 130043-A, B, C, E, F, K, N and V, New Cassel
Industrial Area Sites, New Cassel Industrial Area, Town of North Hempstead, Nassau County

Program Element: Soil Vapor Intrusion Investigation (Site Characterization)

Project Duration: One Year

Contractor: CDM

Estimated WA Budget: The Work Assignment budget will total approximately \$256,000 with
work plan development cost of \$8,000.

Funding Source: State Superfund

Brief Project Description: Soil Vapor Intrusion investigations will be performed for each of the
above listed sites, all of which are within the New Cassel Industrial Area..

ec: D. Weigel
G. Bobersky
D. Finlayson
M. Cruden
J. Jones
W. Parish