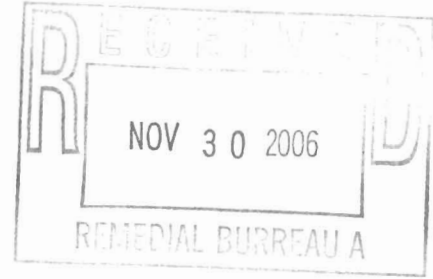




CARICH
ENVIRONMENTAL SPECIALISTS



**On-Site and Limited Off-Site
Soil Vapor Intrusion Investigation Work Plan
Tishcon Corporation
30 - 36 New York Avenue and 31 - 33 Brooklyn Avenue
Westbury, New York
NYSDEC Site No.: 130043E**

November 2006

Prepared for:

**Tishcon Corporation
30 New York Avenue
Westbury, NY 11590**

Prepared by:

**CA Rich Consultants, Inc.
17 Dupont Street
Plainview, NY 11803**



e-mail: eweinstock@carichinc.com

November 27, 2006

NYSDEC

625 Broadway
Albany, New York 12233-7015

Attention: Joseph Jones

Re: **On-Site and Limited Off-Site
Soil Vapor Intrusion Investigation Work Plan
Tishcon Corporation
30 - 36 New York Avenue and 31 - 33 Brooklyn Avenue
Westbury, New York
NYSDEC Site No.: 130043E**

Dear Mr. Jones:

Attached is a copy of our On-Site and Limited Off-Site Soil Vapor Intrusion Investigation Work Plan for the above referenced site.

If there are any questions regarding this Work Plan, please do not hesitate to call our office.

Sincerely,

CA RICH CONSULTANTS, INC.

A handwritten signature in black ink, appearing to read 'Eric Weinstock', written in a cursive style.

Eric A. Weinstock
Vice President

Attachments

cc: Joe Elbaz
Kamal Chopra
Carl Hoffman
Richard Fedigan
Alali Tamuno, Esq.
Larry Schnapf, Esq.
Paul Aufrichtig, Esq.

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**On-Site and Limited Off-Site Soil Vapor Intrusion Investigation Work Plan
Tishcon Corporation
30 - 36 New York Avenue and 31 - 33 Brooklyn Avenue
Westbury, New York**

1.0 INTRODUCTION

As requested by the NYSDEC on October 6, 2006, the following On-Site and Limited Off-Site Soil Vapor Intrusion Investigation Work Plan has been prepared by CA RICH Consultants, Inc. (CA RICH) on behalf of the Tishcon Corporation (Tishcon). The format of this Work Plan is based on the NYSDEC's State Superfund Standby Contract Work Assignment (the Work Assignment) for the New Cassel Industrial Area Sites 1-30-043-A, B, C, E, F, K, N and V.

The Work Assignment requires that the consultant perform a review of available background documents from the NYSDEC and NCDH. As described below, this task has already been completed for the Tishcon Site during preparation of previous work plans. In addition, we propose to perform this work using the existing Health & Safety Plan, Quality Assurance Project Plan and Citizen Participation Plan prepared for this site.

For the purposes of this document, the contaminants of concern are 1,1,1-trichloroethane (1,1,1-TCA) and its degradation products and the potential source area is the remaining underlying soil contamination below a former on-site cesspool located in the rear parking lot.

1.1 Site History

During the Summer of 1996, a Focused Remedial Investigation (R.I.) for soil contamination and identification of source areas was performed. Based on the results of the initial R.I., an Interim Remedial Measure (IRM) was performed to remove contaminated soil from two on-site storm drains and from the bottom of the out-of-service cesspool.

A second Remedial Investigation was performed during 1998. Concurrent with the Remedial Investigation, a Remedial Design Investigation was performed to collect additional subsurface information for the layout of the on-site remediation system. A follow-up phase of the remedial investigation was performed during June of 1999.

Installation of the on-site remediation system began during August 1999 and consisted of the installation of the Soil Vapor Extraction (SVE) wells and Air Sparging points. The installation of the underground piping, the SVE blower and the air sparging compressor was completed during December 1999.

The on-site system has remained in operation since January 2000. During the Summer of 2004, construction of an off-site extension to the remediation system began. This consisted of four off-site AS/SVE points and a buried utility trench used to connect these to the equipment shed on Tishcon's property. The former 10-HP reciprocating air compressor was replaced with a new 20-HP rotary screw air compressor. The off-site extension was turned on August 18, 2004.

The following documents prepared for this site should be reviewed for additional details:

- CA RICH, November 1995, Focused Remedial Investigation Work Plan, Sampling and Analysis Plan and Health and Safety Plan,
- CA RICH, May 1997, Final Focused Remedial Investigation Report,
- CA RICH, November 1997, Focused Remedial Investigation Work Plan for On-Site Ground Water,
- CA RICH, April 1998, Final Interim Remedial Measures Report,
- CA RICH, July 1998, Remedial Design Investigation Work Plan,
- CA RICH, July 1999, Final Remedial Investigation Report for On-Site Groundwater,
- CA RICH, August 1999, Remedial Design Report,
- CA RICH, March 2000, Final Engineering Report and Operations & Maintenance Manual, Soil Vapor Extraction and Air Sparging System (On-Site),
- CA RICH, November 2002, Off-Site Remedial Design Report, Operable Unit 2 (OU-2),
- CA RICH, November 2001, Off-Site Remedial Design Report, Operable Unit 2 (OU-2), and
- CA RICH, October 2004, Third Quarter 2004 Quarterly Monitoring Report, Soil Vapor Extraction and Air Sparging System.
- CA RICH, November 2004, Final Engineering Report and Operations, Maintenance & Monitoring Plan, On-Site and Off-Site Soil Vapor Extraction and Air Sparging System, Tishcon Corporation, 30 - 36 New York Avenue and 31 - 33 Brooklyn Avenue, Westbury, New York.

2.0 SOIL VAPOR INVESTIGATION SAMPLING PROCEDURES

In accordance with the Work Assignment and the NYSDOH October 2006 guidance document for soil vapor, temporary soil vapor probes will be installed at four locations using a Geoprobe™ direct push sampling device and Post Run Tubing (PRT) sampling technology. The locations are illustrated on Figure 1 of this Plan. Utility mark outs and road opening permits will be obtained where required. The existing AS/SVE system will be turned off the day before the soil vapor samples are collected and will remain off until after the sampling is completed. The selected probing contractor, Zebra Environmental Corp., will perform the following.

- 1) A clean drive point and drive point adapter will be attached to standard 1-inch Geoprobe rods and advanced to 45 feet below grade.
- 2) The point will then be retracted 3 to 4 inches to create a void which will allow the migration of soil vapor into the bottom of the drive point sampler.

- 3) A clean, new piece of ¼-inch polyethylene tubing will then be inserted to a clean stainless steel adaptor. The tubing will then be inserted down the probe rod to the bottom. It will then be rotated in a counter-clockwise motion connecting the threaded tubing adaptor to the drive point adaptor.
- 4) A clean plastic bucket will be placed over the top of the Geoprobe rods and the tubing will be extended through a hole in the bucket. Helium will then be allowed to fill the bucket.
- 5) After the introduction of Helium, the tubing will be purged of at least three volumes of air using a vacuum pump. The soil vapor will then be monitored with a portable Helium meter to confirm there is an adequate surface seal. If there is a detection of more than 20%, bentonite will be placed around the top of the rods and the process will be repeated.
- 6) The tubing will then be connected to a laboratory cleaned, 6-liter SUMMA canister. The regulator will be set by the laboratory to fill over a 2-hour time period. This results in a fill rate which does not exceed the DOH required 0.2 liter per minute sampling rate.
- 7) The Geoprobe rods will be removed from the ground and the hole will be filled with clean sand. A surface seal of either concrete or asphalt will be applied to match the existing pavement.
- 8) The canister will be delivered to a NYS ELAP certified laboratory for the analysis of VOCs including TCA using EPA method TO-15.
- 9) This same process will be completed in new probe holes advanced to depths of 25 and 8 feet below grade at each of the locations.

3.0 GROUNDWATER SAMPLING PROCEDURES

Groundwater samples are collected on a quarterly basis from six existing water table monitoring wells located in close proximity to the proposed soil vapor probes. Each of the wells will be purged and sampled following the standard groundwater monitoring procedures that have been employed at this site since the remediation system was turned on. These procedures comply with the description included in the Work Assignment. The results of the quarterly groundwater monitoring samples collected on the date that occurs closest to the date of the soil vapor investigation will be included in our report. These samples will be submitted to a NYS ELAP-certified laboratory for analysis of VOCs using either EPA methods 8260 or 8021. A DUSR will be prepared for these analyses.

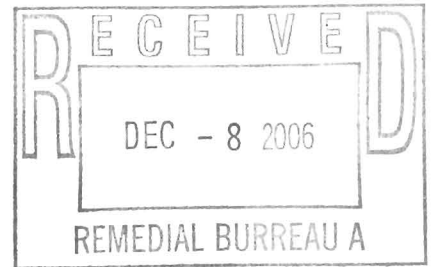
4.0 Site Investigation Report

A site investigation report will be prepared after the field work has been completed and the laboratory data has been received. The report will include:

- A description of the work performed;
- A sample location map and a water table elevation map;
- A summary of the hydrogeologic and physical conditions at the site as pertaining to soil vapor;
- A summary of the data collected during this investigation; and
- Recommendations for additional sampling areas (if required) and a narrative on data gaps and the usability of the data.



e-mail: eweinstock@carichinc.com



December 4, 2006

NYSDEC

Division of Hazardous Waste Remediation
625 Broadway
Albany, New York 12233-7015

Attention: Joe Jones

Re: **Monthly Progress Report – November 2006**
Tishcon Corporation, Site No.: 130043E
30 New York Avenue
Agreement Index No.: W1-0758-95-05; Tishcon file # 36

Dear Mr. Jones:

In accordance with the above referenced Agreement, CA RICH is pleased to provide you with this Monthly Progress Report. This Report includes the following items outlined in Section V of the Agreement.

During the past month, the following activities were performed:

- The off-site Soil Vapor Extraction (SVE) and Air Sparging (AS) system remained in operation;
- The third quarter 2006 groundwater and soil vapor monitoring report was submitted; and
- The NYSDEC requested work plan to perform a soil vapor intrusion investigation was also submitted.

The following work is planned for this month:

- We will continue operation of the off-site AS/SVE system in accordance with the OM&M Plan;
- The Geoprobe soil vapor probing is scheduled for January 22nd; and
- We are still awaiting a response to: our on-site AS/SVE closure boring report; and our petition to reclassify the site from class 2 to class 4.

If there are any questions regarding this letter, please do not hesitate to call our Office.

Sincerely,

CA RICH CONSULTANTS, INC.



Eric A. Weinstock
Vice President

EW/sgm

cc: Joe Elbaz
Kamal Chopra
Carl Hoffman
Richard Fedigan
Alali Tamuno, Esq.
Larry Schnapf, Esq.
Paul Aufrichtig, Esq.