



January 7, 2019

Phone: (518) 402-9613  
Email: [joseph.jones@dec.ny.gov](mailto:joseph.jones@dec.ny.gov)

**NYSDEC**

Division of Environmental Remediation  
625 Broadway  
Albany, NY 12233

Attn: Joseph Jones

Re: **Periodic Review Report  
Tishcon Corporation  
30 New York Avenue, Westbury, NY  
Site Number: 130043E**

Dear Mr. Jones:

Amec E&E, PC is pleased to present this Periodic Review Report (PRR) regarding the Tishcon Corporation (Tishcon) site located in Westbury, New York.

**Introduction & Background**

Tishcon is a manufacturer of vitamins and dietary supplements. They have historically used a variety of food grade mineral oils at this facility. In the past, 1,1,1-trichloroethane (1,1,1-TCA) was used in one of the processes at the plant for the removal of mineral oil.

The buildings at 30 to 36 New York Avenue and 31 to 33 Brooklyn Avenue (collectively referred to as 30 New York Avenue) were constructed in the year 1960. This building was connected to the municipal sewer line below New York Avenue and the original cesspools along New York Avenue were abandoned in 1980, prior to Tishcon's occupancy of the building.

However, one additional cesspool existed below the parking lot on the Brooklyn Avenue side of the building. This cesspool was connected to a floor drain used in the washing of equipment that came in contact with 1,1,1-TCA. In July, 1994 it was discovered that the floor drain discharged to this cesspool. The floor drain was then connected to the municipal sewer line below Brooklyn Avenue.

During the summer of 1996, a Focused Remedial Investigation (R.I.) for soil contamination and identification of source areas was performed. 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 an on-site remediation system.

The investigations indicated that 1,1,1-TCA had impacted the soil at the bottom of the former cesspool and the bottoms of two storm drains located at the Brooklyn Avenue side of the property. Wash water containing dissolved 1,1,1-TCA migrated downward and impacted groundwater in the upper glacial aquifer underlying the site.

**Correspondence:**  
AMEC E&E, PC.  
214-25 42nd Avenue, Suite 3R  
Bayside, NY 11361  
Tel 347-836-4343

## Compliance

Based on the results of the R.I., an Interim Remedial Measure (IRM) was performed in 1998 to remove the contaminated soil from the two impacted on-site storm drains and from the bottom of the former cesspool.

Installation of an on-site remediation system began during August 1999 and consisted of the installation of the Soil Vapor Extraction (SVE) wells and Air Sparging (AS) points. The installation of the underground piping, the SVE blower and the air sparging compressor was completed during December 1999. An off-site extension of the system was placed into operation in August 2004.

During the Spring of 2006, the termination criteria for the on-site portion of the AS/SVE system were met and it was turned off on May 30, 2006. The off-site extension of the system remained in operation for an additional two years until the termination criteria for that system were met and it was shut down on September 22, 2008. Post-remediation monitoring continued for one year after the system was shut off.

A soil vapor intrusion investigation was performed during the Spring of 2008. Based on those results, no additional work was required by the NYSDEC.

A Site Management Plan was prepared for the Property in April, 2007. This included both Engineering Controls and Institutional Controls. The engineering controls consisted of the operation of the AS/SVE System. The Institutional Controls required at a Declaration of Covenants and Restrictions be filed at the County Clerk's office and that untreated groundwater below the site not be used for potable purposes without permission from the NYSDEC.

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, April 1998, Final Interim Remedial Measures Report;
- 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;
- CA RICH, November 2004, Final Engineering Report and Operations & Maintenance Manual, On-Site and Off-Site Soil Vapor Extraction and Air Sparging System;
- CA RICH, July 2006, On-Site Air Sparging/Soil Vapor Extraction System Closure Report;

- CA RICH, February 2007, On-Site and Limited Off-Site Soil Vapor Intrusion Investigation Work Plan;
- CA RICH, April 2007, Site Management Plan, Tishcon Corporation, 30 - 36 New York Avenue and 31 - 33 Brooklyn Avenue, Westbury, New York;
- CA RICH, May 2008, On-Site and Limited Off-Site Soil Vapor Intrusion Investigation Report;
- CA RICH, January 2011, On-Site Air Sparging/Soil Vapor Extraction System Decommissioning Completion Report, Tishcon Corporation, Site No.: 130043E; 30 New York Avenue, Westbury, NY.

## Recommendations

The operation of the engineering controls is no longer required as the termination criteria for the remediation system have been achieved and the system has since been dismantled. Therefore, there are no recommendations regarding the engineering controls at this site which is currently designated as Class 4.

With respect to the institutional controls, a Declaration of Covenants and Restrictions has been filed with the County Clerk. In addition, there has been no use of the groundwater below the property during the reporting period for this PRR. As such, we recommend that the plant continue to remain in operation without any modifications. If a need to use the underlying groundwater arises, the NYSDEC will be contacted in advance.

Please feel free to contact us if you have any questions.

Sincerely,

**Amec E&E, PC**



Eric Weinstock  
Principal Scientist

cc: Joe Elbaz, Tishcon  
Bob Corcoran, NYSDEC  
Walter Parish, NYSDEC  
Phillip Landrigan, Esq.