

SITE INVESTIGATION INFORMATION

1. SITE NAME Former Tishcon Corp. (68 Kinkel St.)	2. SITE NUMBER 130043F	3. TOWN/CITY/VILLAGE New Cassel	4. COUNTY Nassau
5. REGION 1 (Long Island)	6. CLASSIFICATION CURRENT	PROPOSED: 2	MODIFY
7. LOCATION OF SITE (Attach U.S.G.S. Topographic Map showing site location)			
<p>a. Quadrangle: Hicksville</p> <p>b. Site Latitude: 40° 45' 23.2" N Site Longitude: 73° 33' 48.6" W</p> <p>c. Tax Map Numbers: Section 11, Block 76, Lots 9-12.</p> <p>d. Site Street Address: 68 Kinkel Street, Westbury, NY 11590</p>			
8. BRIEFLY DESCRIBE THE SITE (Attach site plan showing disposal/sampling locations)			
<p>This property is located on Kinkel Street just below Main Street in the New Cassel Industrial Area. The former occupant of this site used to manufacture dietary supplements at this location, as well as several other locations in the industrial park. Chemicals such as 1,1,1 trichloroethane were used as part of this process. According to Nassau County Dept. of Health records, Tishcon used 1,650 gallons of 1,1,1 trichloroethane per year at this location. A 1994 site inspection by NYSDEC revealed a likely abandoned leachpool location in the alley behind the building. Subsequent downgradient groundwater sampling found 1,1,1 trichloroethane and 1,2 dichloroethylene well above standards.</p>			
<p>a. Area: 0.25 acres b. EPA ID Number _____</p> <p>c. Completed: <input type="checkbox"/> Phase I <input type="checkbox"/> Phase II <input checked="" type="checkbox"/> PSA <input type="checkbox"/> RI/FS <input type="checkbox"/> PA/SI <input type="checkbox"/> Other</p>			
9. HAZARDOUS WASTE DISPOSED (Include EPA Hazardous Waste Numbers)			
<p>- 1,1,1 trichloroethane (EPA ID# F002)</p>			
10. ANALYTICAL DATA AVAILABLE			
<p>a. <input type="checkbox"/> Air <input checked="" type="checkbox"/> Groundwater <input type="checkbox"/> Surface Water <input type="checkbox"/> Sediment <input type="checkbox"/> Soil <input type="checkbox"/> Waste <input type="checkbox"/> Leachate <input type="checkbox"/> EPTox <input type="checkbox"/> TCLP</p> <p>b. Contravention of Standards or Guidance Values</p> <p>- 1,1,1 trichloroethane: 450 ppb in groundwater; 5 ppb standard (TOGS 1.1.1)</p> <p>- 1,2 dichloroethylene: 340 ppb in groundwater; 5 ppb standard (TOGS 1.1.1)</p> <p>- 1,1 dichloroethane: 150 ppb in groundwater; 5 ppb standard (TOGS 1.1.1)</p>			
11. CONCLUSION			
<p><i>Past site operations have contaminated groundwater beneath the site with 1,1,1 trichloroethane. The contaminated groundwater is located within an EPA-designated sole-source aquifer. The contaminant plume that is partially emanating from the site has migrated approximately 700 feet downgradient. Two public water supply wells are located approximately 1,550 feet downgradient of the site. Thus, this site poses a significant threat to the public health and the environment. Therefore, the site should be listed as a Class 2 in the NYS Registry of Inactive Hazardous Waste Disposal Sites.</i></p>			
12. SITE DATA			
a. Nearest Surface Water: Distance: 6 mi.	Direction: NW	Classification: SB (Hempstead Bay)	
b. Nearest Groundwater: Depth: 50 ft.	Flow Direction: SW	<input checked="" type="checkbox"/> Sole Source <input type="checkbox"/> Primary <input type="checkbox"/> Principal	
c. Nearest Water Supply: Distance: 1,550 ft.	Direction: South	Active: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
d. Nearest Building: Distance: ----	Direction: Onsite	Use: Industrial	
e. In State Economic Development Zone?	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	i. Controlled Site Access?	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N
f. Crops or livestock on site?	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	j. Exposed hazardous waste?	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N
g. Documented fish or wildlife mortality?	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	k. HRS Score: N/A	
h. Impact on special status fish or wildlife resource?	<input type="checkbox"/> Y <input checked="" type="checkbox"/> N	l. For Class 2: Priority Category: 2	
13. SITE OWNER'S NAME Mr. Thomas Garguilo, Jr.	14. ADDRESS 65 Kinkel Street, Westbury, NY 11590		15. TELEPHONE NUMBER
16. PREPARER <i>David K. Harrington</i> 3/6/95		17. APPROVED <i>John B. Swartwout</i> 3/9/95	
Signature David K. Harrington, Environmental Engineer 1, EIS, BHSC, DHWR, NYSDEC		Signature <i>John B. Swartwout</i> , Chief, Eastern Investigation Sec.	
Name, Title, Organization		Name, Title, Organization	

CLASSIFICATION WORKSHEET

Site: Former Tishcon Corp.

County: Nassau

Region: 1

1. Hazardous waste disposed? Y (to 2) N (Stop) U (Stop)2. Consequential amount of Y (to 3) N (Stop) U (Stop)
hazardous waste?3. Part 375-1.4(a)(1) applies? N (to 4) U (to 4) Y (as checked below; Class 2; to 5)

<input type="checkbox"/> a. endangered or threatened species	<input type="checkbox"/> d. fish, shellfish, crustacea or wildlife
<input type="checkbox"/> b. streams, wetlands or coastal zone	<input type="checkbox"/> e. fire, spill, explosion or toxic reaction
<input type="checkbox"/> c. bioaccumulation	<input type="checkbox"/> f. proximity to people or water supplies

4. Part 375-1.4(a)(2) applies? N (Cl 3; Stop) U (Cl 2a; Stop) Y (Class 2; to 5): Past site operations have contaminated groundwater beneath the site with 1,1,1 trichloroethane. This contamination is contributing to a plume of contaminated groundwater that is ~ 1,300 feet long.

5. Factor(s) considered in making this determination:

d. Nature of Soils: Due to its location (Long Island), the site is most likely underlain by deposits of sand and gravel.

g. Level of Contaminants: 1,1,1 trichloroethane - 450 ppb in groundwater
1,2 dichloroethylene - 340 ppb in groundwater
1,1 dichloroethane - 150 ppb in groundwater

i. Extent of Migration: Contamination at the site has reached the water table, and has contributed to a plume of contaminated groundwater that extends at least 700 feet downgradient of the site.

j. Proximity of Site: Due to its location (Long Island), the site overlies an EPA-designated sole-source aquifer.

SUMMARYConsequential Hazardous Waste Yes No UnknownSignificant Threat Yes No Unknown

Proposed Classification: 2

Site Number: 130043F

Date: March 8, 1995

Preparer: David H. Branton
Title: Environmental Engineer 1

NEW YORK STATE DEPARTMENTS OF ENVIRONMENTAL CONSERVATION AND HEALTH
INACTIVE HAZARDOUS WASTE DISPOSAL SITE PRIORITY RANKING WORKSHEET

SITE I.D.: 130043F

SITE NAME: Former Tishcon Corp.

◦ **Priority I** - Sites for which remediation should supersede all other Class 2 sites. Priority I can be assigned if any one of the following questions can be answered affirmatively.

a) Has a public or private water supply which is currently in use been contaminated or threatened?.....

b) Has human exposure to contaminants (or the potential for exposure) been identified which represents a significant health risk as determined by DOH?.....

c) Has bioaccumulation of site contaminants in flora or fauna resulted in a health advisory?.....

d) Are site contaminants present at levels that are acutely toxic to fish or wildlife or that have caused documented fish or more wildlife mortality?.....

[If 1 or more boxes are checked, check this box]

◦ **Priority II** - Important Sites. Priority II will be assigned if any of the following questions can be answered affirmatively.

a) Has a Class A or AA surface water body or a principal aquifer been contaminated or threatened without affecting an existing water supply?..... X

b) Has bioaccumulation of site contaminants in flora or fauna resulted in actionable levels (but not a health advisory)?.....

c) Are contaminants at levels chronically toxic to fish/wildlife?.....

d) Have endangered, threatened or rare species, significant habitats, designated coastal zone or regulated wetlands been impacted by releases from the site?.....

[If 1 or more boxes are checked, check this box]

◦ **Priority III** - will be assigned unless one or more of the site prioritization criteria, specified above, apply to a site. After remedial needs for Priority I and II sites have been accommodated, remediation of sites under this category can be considered. If priority III, check box 3.

 (3)2 (4)Enter the number of the priority box checked 1, 2, or 3 here.....
This is the site's priority rank.**FACTORS**

IJC Factor - If the site has been identified by the International Joint Commission (IJC) as a component in a remedial action plan, subtract (1) from the value in box 4 and enter the result in box 5.....

 (5)Yes No

EDZ Factor - If the site is within a New York State designated Economic Development Zone (EDZ) should this fact cause the site priority to be raised?..

Community Support Factor - If the site has been targeted for local government-supported development by a developer willing to sign a consent order with DEC to finance investigation and remediation should this fact cause the site priority to be raised?.....

Yes No

If either "yes" box is checked, subtract 1 from the value in box 4 and enter the result into box 6. If "no" is checked, the value in box 6 equals box 4 (or box 5 if applicable). If both IJC and EDZ/Community Support factors apply, only 1 (not 2) will be subtracted from the value in box 4. The resultant value in box 6 will never be less than 1.....

 (6)Yes No

IRM NOTE: Should this site be considered a candidate for an Interim Remedial Measure (IRM) as defined by 6NYCRR Part 375-1.3n?.....

 X**If "yes", please explain why:**

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF HAZARDOUS WASTE REMEDIATION
INACTIVE HAZARDOUS WASTE DISPOSAL REPORT

CLASSIFICATION CODE: 2 REGION: 1 SITE CODE: 130043F
EPA ID:

NAME OF SITE: Former Tishcon Corporation (68 Kinkel Street)

STREET ADDRESS: 68 Kinkel Street

TOWN/CITY: Westbury COUNTY: Nassau ZIP: 11590

SITE TYPE: Open Dump- Structure-X Lagoon- Landfill- Treatment Pond-
ESTIMATED SIZE: 0.25 Acres

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER NAME....: Mr. Thomas Garguilo, Jr.

CURRENT OWNER ADDRESS.: 65 Kinkel Street, Westbury, NY 11590

OWNER(S) DURING USE....:

OPERATOR DURING USE....: Tishcon Corporation

OPERATOR ADDRESS.....: 29 New York Avenue, Westbury, NY 11590

PERIOD ASSOCIATED WITH HAZARDOUS WASTE: from 1982 to 1983

SITE DESCRIPTION:

Site Latitude: 40° 45' 23.2" N Longitude: 73° 33' 48.6" W

Site Topography: Flat Area: Industrial Park

Nearest Surface Water Body: 6 mi. NW (Hempstead Bay)

Nearest Water Supply Well: 1,550 ft. south

This property is located on Kinkel Street just below Main Street in the New Cassel Industrial Area. The former occupant of this site used to manufacture dietary supplements at this location, as well as several other locations in the industrial park. Chemicals such as 1,1,1 trichloroethane were used as part of this process. According to Nassau County Dept. of Health records, Tishcon used 1,650 gallons of 1,1,1 trichloroethane per year at this location. A 1994 site inspection conducted by NYSDEC revealed a likely abandoned leachpool location in the alley behind the building. Subsequent downgradient groundwater sampling found 1,1,1 trichloroethane and 1,2 dichloroethylene well above standards.

HAZARDOUS WASTE DISPOSED: CONFIRMED:X SUSPECTED

TYPE	QUANTITY (units)
-> 1,1,1 trichloroethane (EPA ID# F002)	unknown

Table 2-5
Groundwater Analytical Data (April 1996)
Focused Remedial Investigation
68 Kinkel Street - Former Tishcon Site
North Hempstead, New York

Analyte	TCL Volatile Organic Compounds ¹ ($\mu\text{g/L}$)	CRCL	CLASS GA ²	USEPA MCL ³	USEPA MCLG ⁴	DOAK MW-1		DOAK MW-1 DUP		DOAK MW-2		DOAK MW-3		MW-201		MW-201 DUP		MW-202		MW-203	
						MW-1	MW-1	MW-1	MW-1	MW-2	MW-2	MW-3	MW-3	MW-1	MW-1	MW-1	MW-1	MW-2	MW-2	MW-3	MW-3
Acetone	10	50	G	NS	NS	--	--	--	--	1	J	--	--	7	J	--	--	--	--	--	--
Chloroethane	10	50	G	NS	NS	--	--	--	--	9	J	120	2	J	1	J	1	J	5	J	19
Trichloroethene	5	50	G	0	11	10	9	J	47	19	28	5	J	5	J	5	J	15	J	15	
Tetrachloroethene	5	50	G	5	52	47	47	--	--	--	--	2	J	2	J	--	--	--	--	2	J
Toluene	5	50	G	1000	1000	--	--	--	--	--	--	2	J	2	J	--	--	--	--	3	J
Total Xylenes	5	50	G	10000	10000	--	--	--	--	--	--	1	J	1	J	--	--	--	--	2	J
1,1-Dichloroethene	5	50	G	7	11	10	8	J	--	--	--	1	J	1	J	--	--	2	J	1	J
1,2-Dichloroethene	5	50	G	70/100 ⁵	4	J	4	J	5	J	--	1	J	1	J	1	J	13	J	13	J
1,1,1-Dichloroethane	5	50	G	NS	NS	8	J	7	J	20	3	J	--	--	--	--	--	--	--	10	J
1,2-Dichloroethane	5	50	G	5	0	5	J	4	J	--	370	J	--	--	--	--	--	--	62	J	10
1,1,1-Trichloroethane	5	50	G	200	200	97	92	--	--	110	21	2	J	2	J	2	J	89	J	89	J
TCL Semivolatile Organic Compounds ¹ ($\mu\text{g/L}$)																					
bis(2-Ethyhexyl)phthalate	10	50	6	0	0	3	J	3	J	4	J	4	J	1	J	2	J	2	J	2	J
Di-n-butylphthalate	10	50	(100)	(0)	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6
Di-n-butylphthalate	10	50	NS	NS	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6
TAL Inorganic Analyses ¹ ($\mu\text{g/L}$)																					
Aluminum	200	NS	50-200	S	NS	829	J	2220	J	138	J	769	J	624	J	571	J	166	J	1430	J
Arsenic	10	25	50	2000	NS	2000	--	7.3	J	--	--	--	--	--	4	J	--	--	5.1	J	5.1
Barium	200	1000	2000	NS	184	J	201	47.4	J	45.4	J	108	J	115	J	90.3	J	68.1	J	68.1	
Beryllium	5	3	G	4	0.13	J	0.13	J	0.22	J	0.12	J	--	0.36	J	0.22	J	--	--	--	--
Cadmium	5	10	5	5	0.23	J	--	--	--	--	--	--	--	--	0.47	J	0.33	J	0.61	J	0.61
Calcium	5000	NS	NS	NS	10300	10900	10900	5220	J	7080	15500	16500	16500	16500	16500	16500	16500	16500	29100	16500	
Chromium	10	50	100	100	2.5	J	5	J	1.1	J	1.4	J	2.5	J	3.4	J	5.2	J	56.2	J	
Cobalt	50	NS	NS	NS	--	--	0.81	J	5.5	J	1.6	J	0.71	J	2.4	J	2.9	J	2.5	J	5.8
Copper	25	200	1300	TT	1300	2.5	J	5.5	J	3.7	J	3.5	J	--	1.9	J	--	--	5.2	J	5.2
Iron	100	300	300	S	NS	1820	J	6090	J	85	J	1180	J	1100	J	966	J	351	J	4170	J
Lead	3	25	15	TT	0	1.3	J	3.3	--	--	1.7	J	1	J	2.9	J	--	--	4.7	J	4.7
Magnesium	5000	35000	G	NS	4950	J	5290	2860	J	2960	J	10700	11400	11400	11400	11400	11400	11400	11400	11400	10100
Manganese	15	300	50	S	NS	352	391	351	351	351	351	311	311	311	330	330	330	330	330	330	330
Mercury	0.2	2	2	NS	2	0.24	J	0.27	J	0.18	J	0.17	J	--	--	--	--	--	--	--	--
Nickel	40	NS	100	NS	6.2	J	7.1	J	2.8	J	--	4.5	J	4.9	J	103	J	45.7	J	45.7	
Potassium	5000	NS	NS	NS	3420	J	3570	J	3000	J	1880	J	3750	J	3630	J	2870	J	4930	J	4930
Silver	10	50	100	S	NS	--	--	--	--	--	--	--	--	--	1.6	J	--	--	1.6	J	1.6
Sodium	5000	200	NS	NS	41500	43200	43200	9120	9120	9820	40200	41600	41600	41600	41600	41600	41600	41600	41600	41600	25200
Thallium	10	4	G	2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Vanadium	50	NS	NS	NS	NS	4.2	J	13.5	J	13.5	J	2.7	J	1.5	J	1.4	J	1.4	J	87	J
Zinc	20	30	5000	S	NS	14	J	14.3	J	9.4	J	13.2	J	19.1	J	21.7	J	57.3	J	17.5	
Cyanide	10	100	200	--	--	--	--	--	--	--	--	2	J	--	--	--	--	--	--	--	--

Note:

¹ Only compound that were detected in the sample are listed.

² New York State Class GA groundwater quality standards NYGRR Parts 700-705, October 1983.

³ U.S. Environmental Protection Agency MCLs and MCLGs from "Drinking Water Regulations and Health Advisories" USEPA Office of Water, May 1986.

⁴ When both iron and manganese are present, the Class GA Standard for the total of both compounds is 500 $\mu\text{g/L}$.

⁵ Shaded denotes compound/analyte detected at concentrations greater than applicable state and/or federal standards.

not detected

70/100 values reflect cis-1,2-dichloroethene/trans-1,2-dichloroethene

MCLs and MCLGs in parenthesis are proposed

Contract Required Detection Limit (Inorganic)

Contract Required Quantitation Limit (Organic)

duplicate sample

G Guidance values from NY's Division of Water Technical and Operational Guidance Series
J Ambient Water Quality Standards and Guidance Values, October, 1984

Estimated

Maximum Contaminant Level

Maximum Contaminant Level Goal

no standard

Secondary Maximum Contaminant Level

Target Analyte List

Target Compound List

Treatment Technique Action Level

micrograms per liter