

GIS REGISTRY INFORMATION

SITE NAME:	Kikkoman Foods Inc			FID #	
BRRTS #:	03-65-109775			(if appropriate):	
COMMERCE #:	53184-9998-00-A				
CLOSURE DATE:	8/21/07				
STREET ADDRESS:	Six Corners and Hwy 14				
CITY:	Walworth				
SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection):	X =	633256	Y =	230862	
CONTAMINATED MEDIA:	Groundwater	<input type="checkbox"/>	Soil	<input checked="" type="checkbox"/>	Both <input type="checkbox"/>
OFF-SOURCE GW CONTAMINATION >ES:	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	
• IF YES, STREET ADDRESS:					
• GPS COORDINATES (meters in WTM91 projection):					
	X =		Y =		
OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL):	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	
• IF YES, STREET ADDRESS 1:					
• GPS COORDINATES (meters in WTM91 projection):					
	X =		Y =		
CONTAMINATION IN RIGHT OF WAY:	Yes	<input type="checkbox"/>	No	<input checked="" type="checkbox"/>	
DOCUMENTS NEEDED					
Closure Letter, and any conditional closure letter issued or denial letter issued					x
Copy of any maintenance plan referenced in the final closure letter					na
Copy of (soil or land use) deed notice <i>if any required as a condition of closure</i>					na
Copy of most recent deed, including legal description, for all affected properties					x
Certified survey map or relevant portion of the recorded plat map <i>(if referenced in the legal description)</i> for all affected properties					na
County Parcel ID number, <i>if used for county</i> , for all affected properties E W 1700015					x
Location Map that outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily. If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site.					x
Detailed Site Map(s) for all affected properties , showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or SSRCLs.					x
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)					na
Tables of Latest Soil Analytical Results (no shading or cross-hatching)					x
Isoconcentration map(s), <i>if required for site investigation (SI)</i> . The isoconcentration map should have flow direction and extent of groundwater contamination defined. If not available, include the latest extent of contaminant plume map.					na
GW: Table of water level elevations, with sampling dates, and free product noted if present					na
GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)					na
SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour					x
Geologic cross-sections, <i>if required for SI</i>					x
RP certified statement that legal descriptions are complete and accurate					x
Copies of off-source notification letters (if applicable)					na
Letter informing ROW owner of residual contamination (if applicable) (public, highway or railroad ROW)					na



ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
2129 Jackson Street
Oshkosh, Wisconsin 54901-1805
TDD #: (608) 264-8777
Fax #: (920) 424-0217
Jim Doyle, Governor
Mary P. Burke, Secretary

August 21, 2007

Mr. Dave Frost
Kikkoman Foods, Inc.
PO Box 69
Walworth, WI 53184-0069

RE: **Final Closure**

Commerce # 53184-9998-00-A DNR BRRTS # 03-65-109775
Kikkoman Foods, Inc., Six Corners and Hwy 14, Walworth

Dear Mr. Frost:

The Wisconsin Department of Commerce (Commerce) has reviewed the request for case closure, prepared by GeoTrans, Inc., for the site referenced above. Commerce has determined that this site does not pose a significant threat to the environment and human health. No further investigation or remedial action is necessary.

This case is now listed as "closed" on the Commerce database and will be included on the Department of Natural Resources (DNR) Geographic Information System (GIS) Registry of Closed Remediation Sites to address residual soil contamination. It is in your best interest to keep all documentation related to the environmental activities that were conducted.

It is in your best interest to keep all documentation related to the environmental activities at your site. If residual contamination is encountered in the future, it must be managed in accordance with all applicable state and federal regulations. If it is determined that any remaining contamination poses a threat, the case may be reopened and further investigation or remediation may be required.

Thank you for your efforts to protect Wisconsin's environment. If you have any questions, please contact me in writing at the letterhead address or by telephone at (920) 424-0046.

Sincerely,

A handwritten signature in black ink, appearing to read "Robert H. Klauk", written over a horizontal line.

Robert H. Klauk
Senior Hydrogeologist
Site Review Section

cc: Mark A. Manthey – GeoTrans, Inc.

**Walworth County Parcel Ownership
Search Results**

This is not official information. All official information is available in the Land Information office.

Parcel Number

E W 1700015

Owner Name & Mailing Address

KIKKOMAN FOODS, INC

P.O. BOX 69

WALWORTH WI 53184

Abbreviated Legal Description

ALL THAT PT. SE 1/4 SEC 17 T1N

R16E LYING S OF RR R/W. ALSO

E 1/2 SW 1/4 SEC 17 EXCLUSIVE

OF RR, EXC. 2 ACRES IN NW COR

SEC 17.

ASSESSED BY DEPT OF REVENUE

APPROVED BY:

4/10/92

CHECKED BY: Lft

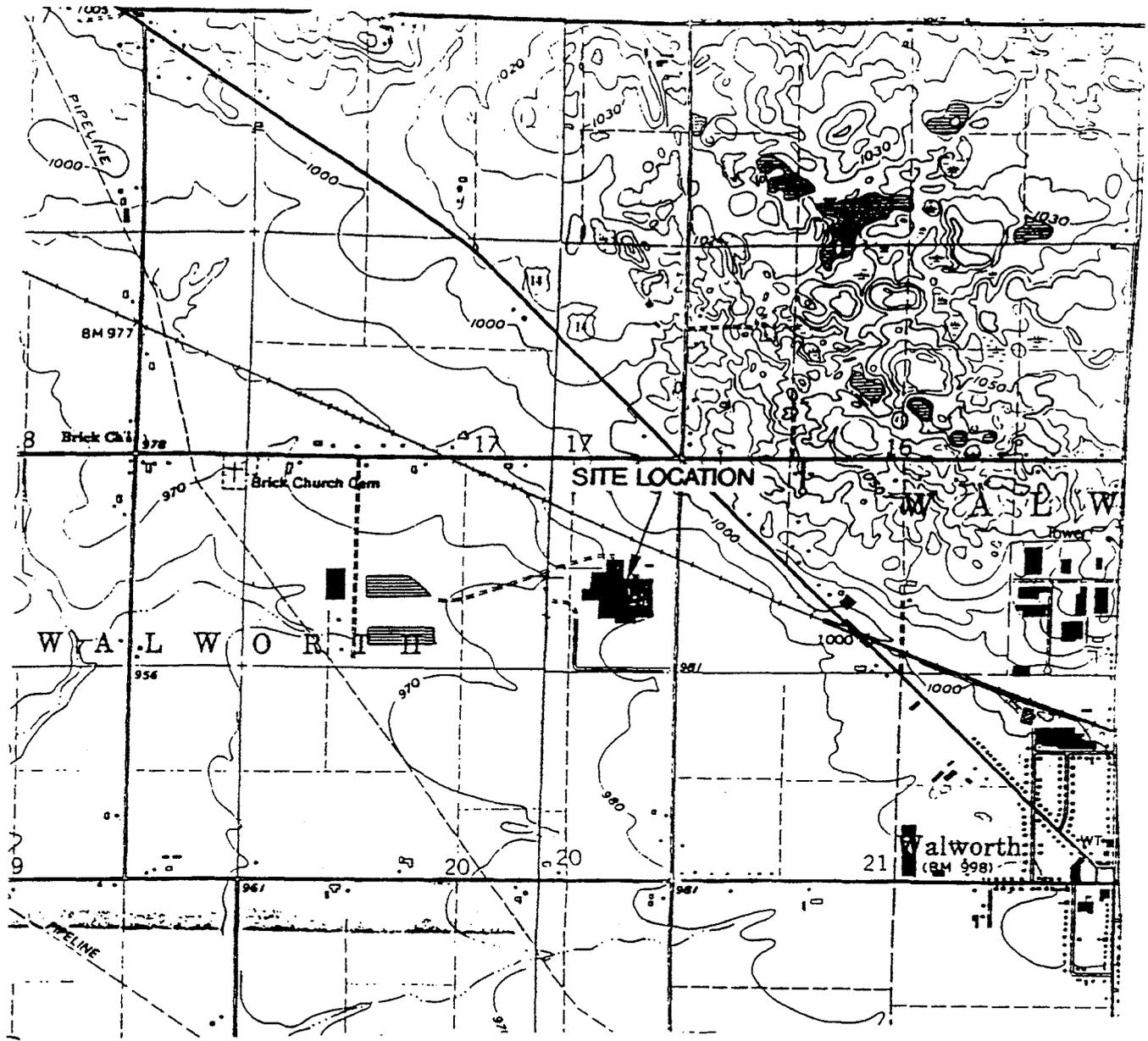
1/20/97

JPH

DRAWN BY:

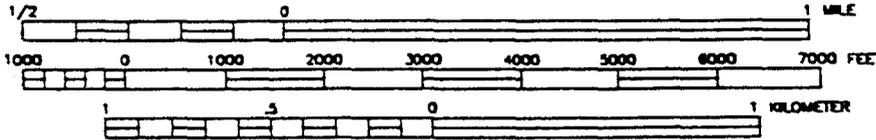
96.734R1

DRAWING NO.



(USGS [1960] 1994)

SCALE 1:24000



CONTOUR INTERVAL 10 FEET



LOCATION

Site Location Map
 Kikkoman Foods Site
 Walworth, Wisconsin

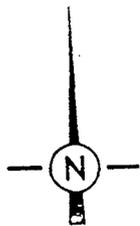
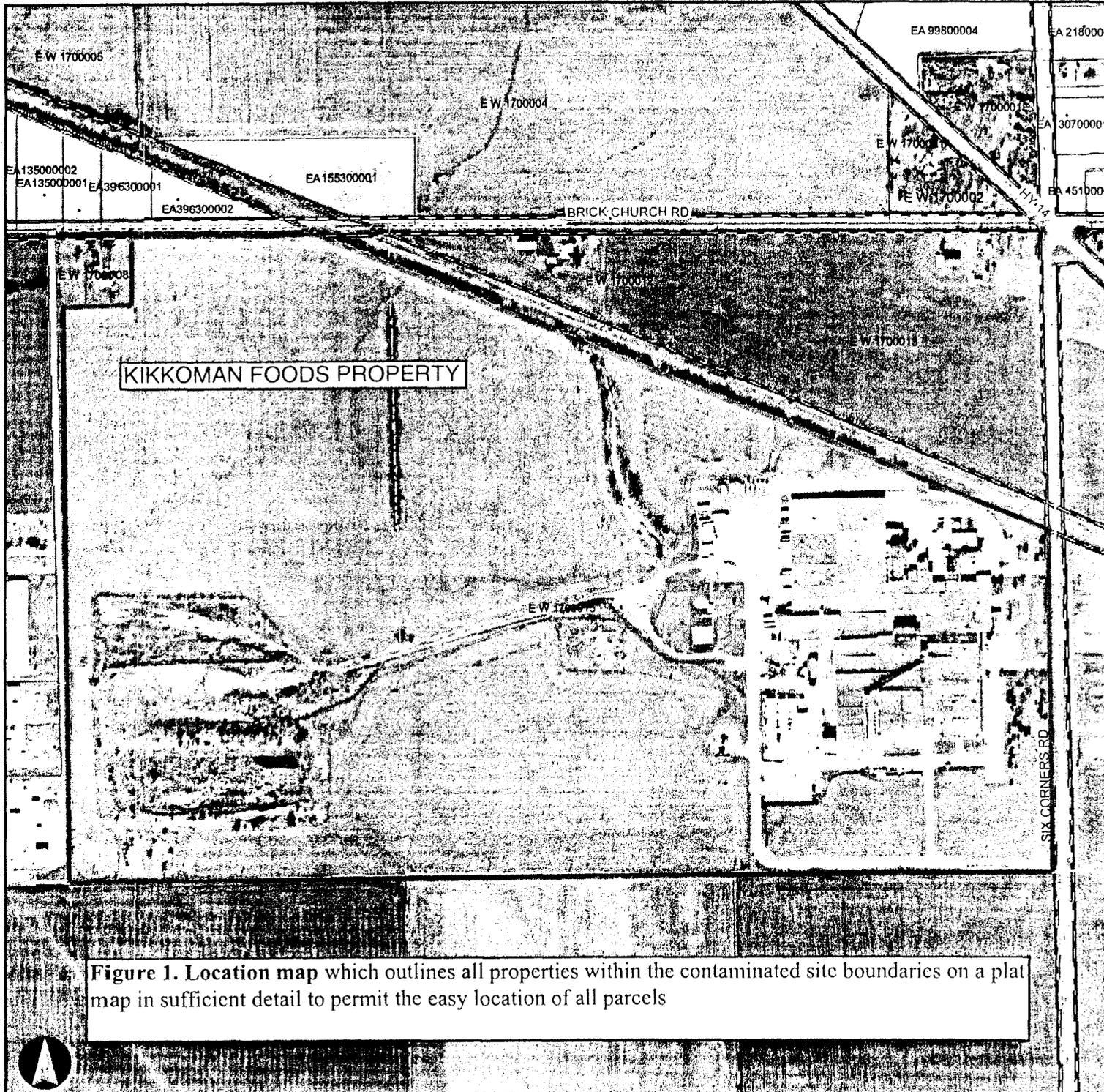


FIGURE NO.
 1

DIMENSIONS IN THIS FIGURE ARE BASED ON KNOWN POINTS IN TIME AND SPACE AND ARE INTENDED TO A SUFFICIENTLY HIGH DEGREE OF ACCURACY.

Walworth County Interactive Mapping System

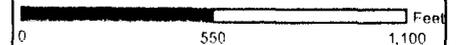


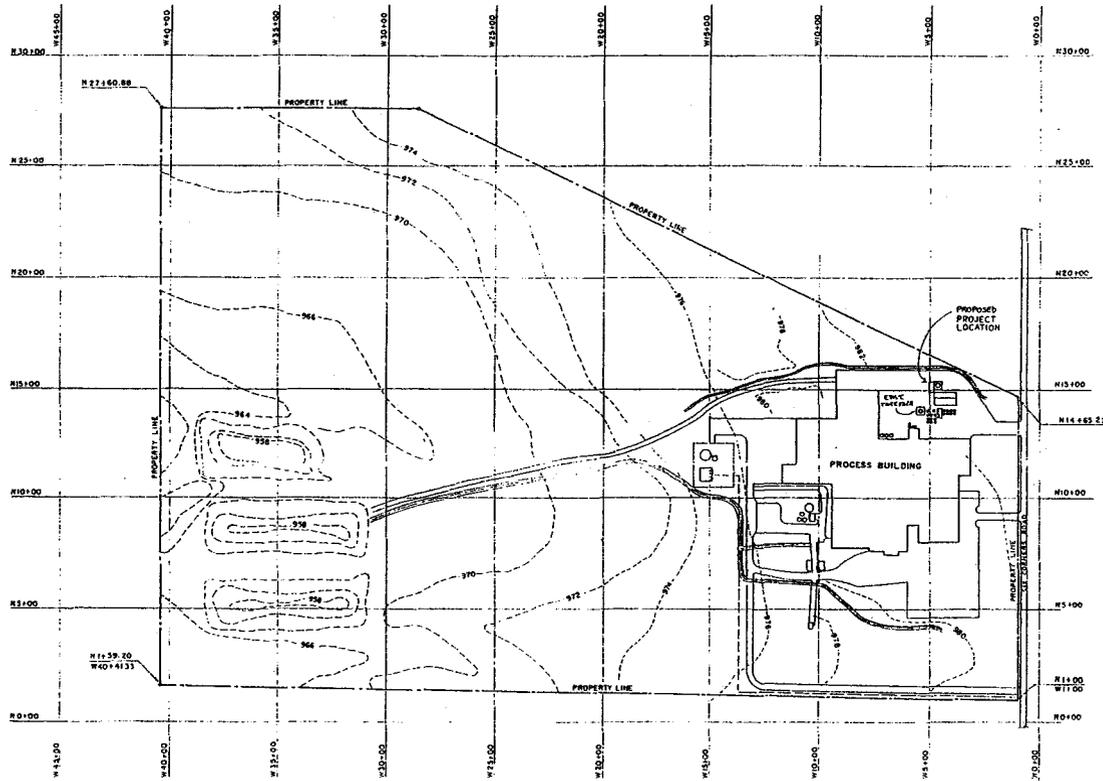
- Address Points
- PLSS Lines**
 - PLSS Section Line
 - PLSS Quarter Section Line
 - Shoreland Area
- Floodplain
- Gross Sanitary District
- Extra Territorial Zoning Area
- USGS Streams**
 - Perennial Stream
 - Intermittent Stream
 - Soil Survey Area
- 2020 Land Use Plan**
 - Urban Service Area
 - Special Sewer Service Area
 - Other Urban Area
 - Lands in A-3 Located Beyond PSA & Other Urban Lands
 - Other Agricultural, Rural Residential, and Other Open Lands
 - Primary Agricultural Lands
 - Primary Environmental Corridor
 - Secondary Environmental Corridor
 - Isolated Natural Resource Area
 - Surface Water
- 2000 Environmental Corridors**
 - Primary Environmental Corridor
 - Secondary Environmental Corridor
 - Isolated Natural Resource Area
 - Surface Water
- 2 FT Topographic Contours**
 - Index
 - Intermediate
 - Index Depression
 - Intermediate Depression
 - Approximate Index
 - Approximate Intermediate
 - Approximate Index Depression
 - Approximate Intermediate Depression
 - Spot Elevations
 - Structure Outlines
 - Right-of-Way
- Parcel Lines**
 - Parcel Line
 - Extended Parcel Line
 - Tie Line
 - Meander Line
- Tax Parcels
- Platted Lands**
 - Subdivision Plat, Assessors Plat
 - Certified Survey Map
 - Condominium Plat
 - Cemetery Plat
 - Civil Division Boundary

Figure 1. Location map which outlines all properties within the contaminated site boundaries on a plat map in sufficient detail to permit the easy location of all parcels

The information provided on this map has been produced and processed from sources believed to be reliable. No warranty, expressed or implied, is made regarding accuracy, adequacy, completeness, legality, reliability or usefulness of this information. The information contained herein will not be accepted as an official document.

1 inch equals 538 feet

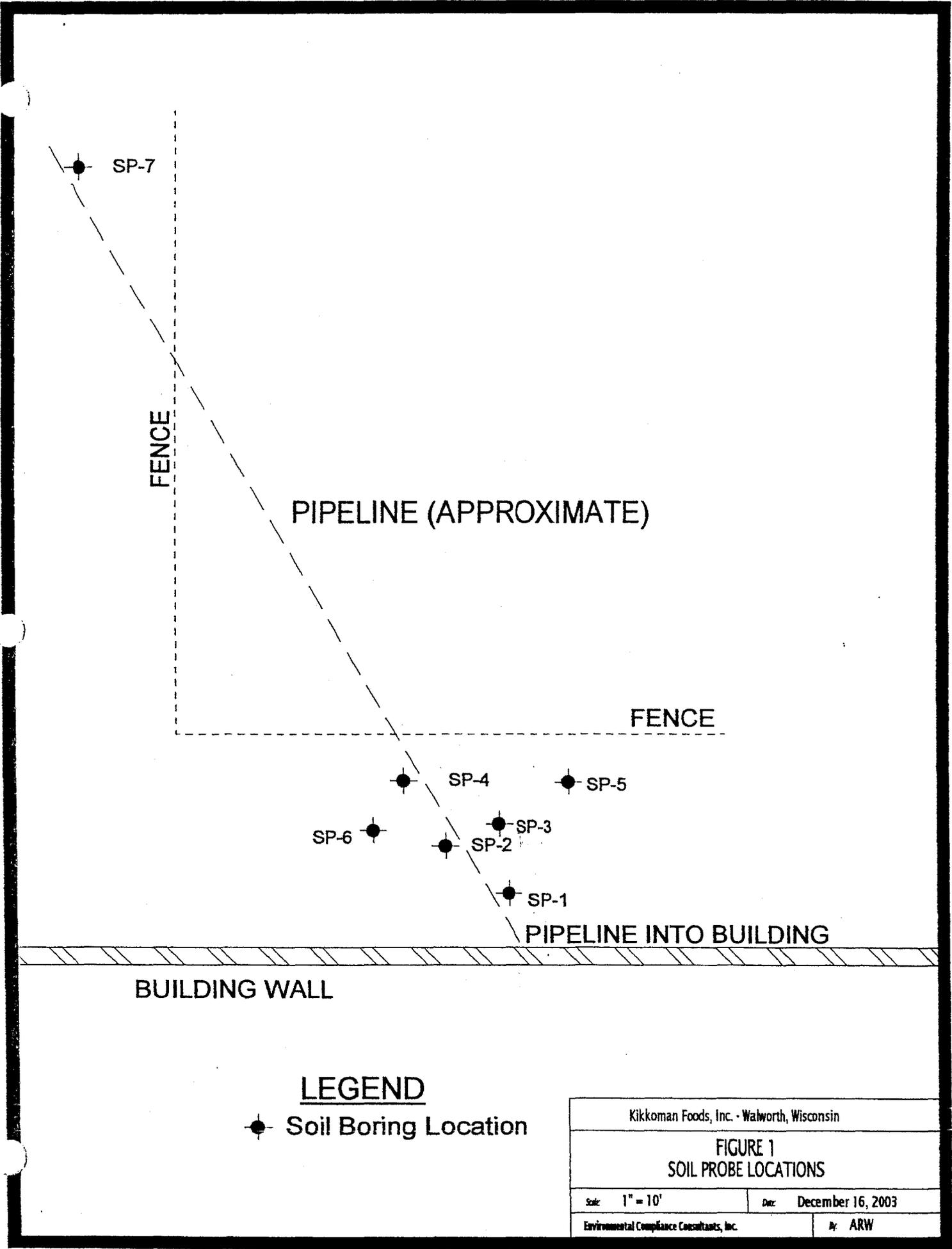




NOTE:
 THIS DRAWING HAS BEEN PREPARED FOR GENERAL INFORMATION PURPOSES TO SHOW THE GENERAL LOCATION OF THE EXISTING AND NEW LOCATION OF THE TANK FARM. ALL INFORMATION REGARDING PROPERTY LINES, FACILITY BUILDINGS, AND GRADE HAS BEEN TRACED FROM OTHER PROVIDED DRAWINGS, AND NOT PROVIDED ANY WARRANTY REGARDING THE COMPLETENESS AND ACCURACY OF SUCH INFORMATION. PLEASE ALSO NOTE THAT LOCATION OF ALL UTILITIES (ABOVE AND BELOW GROUND) ARE NOT SHOWN ON THIS DRAWING AND MUST BE VERIFIED BY CONTRACTOR/OWNER PRIOR TO CONDUCTING WORK.

KIKKOMAN FOODS, INC.
 WALWORTH, WISCONSIN
 SCALE: 1" = 100'
 JOB NO. 91-204 OCTOBER 10, 1991

SPECTRUM ENGINEERING INCORPORATED 111-781-1725 FAX 414-783-7724 13800 Vest Capital Drive Brookfield, Wisconsin 53005	THIS DRAWING IS AN INSTRUMENT OF SERVICE AND IS THE PROPERTY OF SPECTRUM ENGINEERING INCORPORATED. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFICALLY IDENTIFIED HEREON. ANY REUSE OR MODIFICATION OF THIS DRAWING WITHOUT THE WRITTEN CONSENT OF SPECTRUM ENGINEERING INCORPORATED IS STRICTLY PROHIBITED.	TERRY BOLES OWNER OR AS-IF OWNER'S SIGNATURE DATE: _____ I AM AN OIL WELL OPERATOR AND I HEREBY CERTIFY THAT I HAVE READ THIS DRAWING AND I AGREE TO THE WORK SHOWN THEREON.	SHEET NO. _____ OF _____	ORDER NO. _____ PROJECT NUMBER: _____ FARRAD MOISSEWITZ, P.E.	KIKKOMAN FOODS, INCORPORATED SIX CORNERS ROAD, ROUTE 14 WALWORTH, WISCONSIN 53184	TANK FARM RELOCATION AND UP-GRADE NO. 2 FUEL OIL STORAGE TANKS SITE PLAN AND GENERAL PLANT LAYOUT	DRAWING NO. C-1 DATE: 4/16/96 PROJECT NUMBER: 96232 SHEET NUMBER: 1 OF 6
			NO. _____ DATE _____ SIGNATURE _____	PROJECT NUMBER: _____ FARRAD MOISSEWITZ, P.E.	KIKKOMAN FOODS, INCORPORATED SIX CORNERS ROAD, ROUTE 14 WALWORTH, WISCONSIN 53184	TANK FARM RELOCATION AND UP-GRADE NO. 2 FUEL OIL STORAGE TANKS SITE PLAN AND GENERAL PLANT LAYOUT	DRAWING NO. C-1 DATE: 4/16/96 PROJECT NUMBER: 96232 SHEET NUMBER: 1 OF 6



FENCE

PIPELINE (APPROXIMATE)

FENCE

PIPELINE INTO BUILDING

BUILDING WALL

LEGEND

● Soil Boring Location

Kikkoman Foods, Inc. - Walworth, Wisconsin

**FIGURE 1
SOIL PROBE LOCATIONS**

Scale: 1" = 10'	Date: December 16, 2003
Environmental Compliance Consultants, Inc.	By: ARW

SP-7
(NA)

FORMER BURIED PIPING

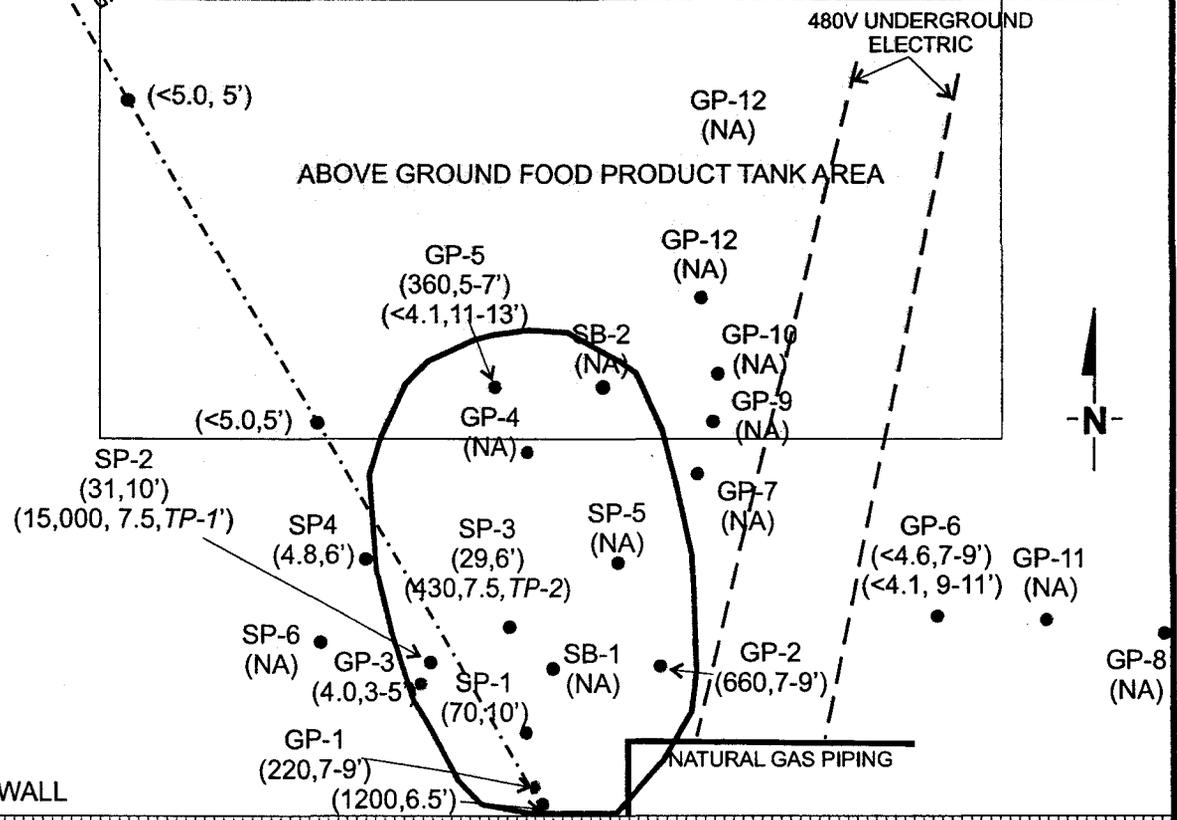
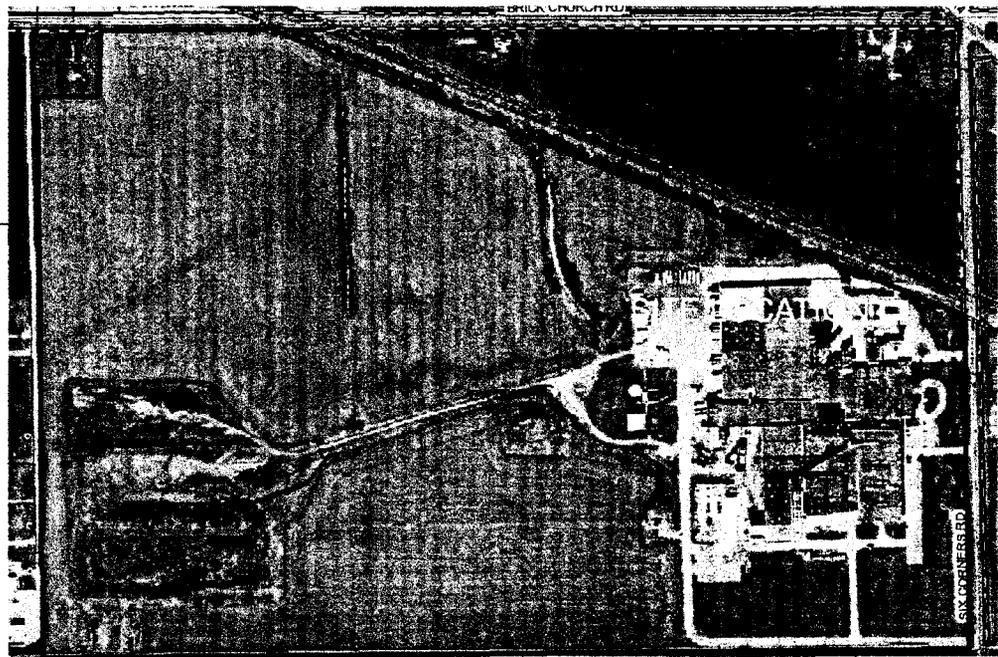


FIGURE 2. LOCATION OF SOIL ABOVE NR 720 SOIL CLEANUP STANDARDS

(660, 7-9') DIESEL RANGE ORGANICS CONCENTRATION IN SOIL SAMPLE IN mg/kg AND SAMPLE DEPTH IN FEET BELOW GROUND SURFACE.

- GP-1 1996-1997 SOIL SAMPLE LOCATION AND DESIGNATION
- 1996 SAMPLE TAKEN DURING PIPING REMOVAL
- SB-1 1997 HOLLOW STEM AUGER BORING LOCATION AND DESIGNATION.
- SP-1 2003 SOIL SAMPLE LOCATION AND DESIGNATION
- SOIL ABOVE NR 720 CLEANUP STANDARDS



AP-DECOR.CDR

January 1996 and February 1997 Soil Analytical Results

Borehole ID	Sample Depth (feet)	Sample Date	Compound							
			Benzene (ug/kg)	Ethylbenzene (ug/kg)	MTBE (ug/kg)	Toluene (ug/kg)	1,2,4-TMB (ug/kg)	1,3,5-TMB (ug/kg)	Xylenes (ug/kg)	DRO (mg/kg)
GP-1	7-9	12/09/96	<25	40	<25	<25	39	130	67	220
GP-2	7-9	12/09/96	<25	64	<25	<25	83	140	55	660
GP-3	3-5	12/09/96	<25	<25	<25	<25	130	41	96	4.0
GP-5	5-7	02/17/97	NA	NA	NA	NA	NA	NA	NA	360
GP-5	11-13	02/17/97	NA	NA	NA	NA	NA	NA	NA	<4.1
GP-6	7-9	02/17/97	NA	NA	NA	NA	NA	NA	NA	<4.6
GP-6	9-11	02/17/97	NA	NA	NA	NA	NA	NA	NA	<4.1

Table of Most Recent Soil Sampling Analytical Results

Borehole ID	Sample ID and Depth in feet	Sample Date	DRO (mg/kg)
SP-1	SP-1-3 @ 10'	11/13/03	70
SP-2	SP-2-3 @ 10'	11/13/03	31
	TP-1 @ 7.5'	11/13/03	15,000
SP-3	SP-3-2 @ 6'	11/13/03	29
	TP-2 @ 7.5'	11/13/03	430
SP-4	SP-4-2 @ 6'	11/13/03	4.8

Notes:

NA = Not Analyzed

TMB = Trimethylbenzene

DRO = Diesel Range Organics analytical results

ug/kg = micorgrams per kilogram

mg/kg = milligram per kilogram

Chapter NR 720 Generic Residual Contaminant Level for DRO = 100 mg/kg.

Sample locations shown on Figure 2 of Soil GIS Registry Packet.

TABLE 3

PAH SOIL ANALYTICAL RESULTS

KIKKOMAN FOODS SITE
WALWORTH, WISCONSIN

COMPOUND	SAMPLE LOCATION				WDNR SOIL STANDARDS INTERIM RCLS		
	SB-1 S1 1-3'	SB-1 S4 7-9'	SB-1 S9 17-19'	SB-2 S3 5-7'	GROUNDWATER PATHWAY	DIRECT CONTACT PATHWAY	
						NON-INDUSTRIAL	INDUSTRIAL
ACENAPHTHENE	<3,300	<2,400	<41	<50	120,000	900,000	60,000,000
ACENAPHTHYLENE	<6,600	<4,700	<82	<100	1,500	18,000	390,000
ANTHRACENE	<660	481	<8.2	<100	12,000,000	5,000,000	300,000,000
BENZO(A)ANTHRACENE	<160	5,750	<2.0	<2.5	27,000	88	3,900
BENZO(B)FLUORANTHENE	<160	763	<2.0	<2.5	750,000	9	390
BENZO(K)FLUORANTHENE	<160	<120	<2.0	<2.5	190,000	88	3,900
BENZO(A)PYRENE	<330	<240	<4.1	<5.0	6,900,000	1,800	39,000
BENZO(GHI)PERYLENE	<330	<240	<4.1	<5.0	480,000	880	39,000
CHRYSENE	<330	3,640	<4.1	<5.0	3,700	8,800	390,000
DIBENZO(A,H)ANTHRACENE	<330	<240	<4.1	<5.0	70,000	9	390
FLUORANTHENE	<660	11,000	<8.2	<10	8,600,000	600,000	40,000,000
FLUORENE	<1,400	<950	<16	<20	210,000	600,000	40,000,000
INDENO(1,2,3-CD)PYRENE	<330	<240	<4.1	<5.0	490,000	88	3,900
1-METHYLNAPHTHALENE	<2,000	<1,400	<26	<31	610	18,000	390,000
2-METHYLNAPHTHALENE	<2,000	<1,400	<26	<31	590	18,000	390,000
NAPHTHALENE	<2,000	<1,400	<26	<31	440	100,000	4,000,000
PHENANTHRENE	<1,400	2,460	<16	<20	7,600	18,000	390,000
PYRENE	<660	9,510	<8.2	<10	11,000,000	500,000	30,000,000

ALL CONCENTRATIONS IN PARTS PER BILLION (PPB), MICROGRAMS PER KILOGRAM
RCL = RESIDUAL CONTAMINANT LEVEL

Sample Date = July 21, 1997

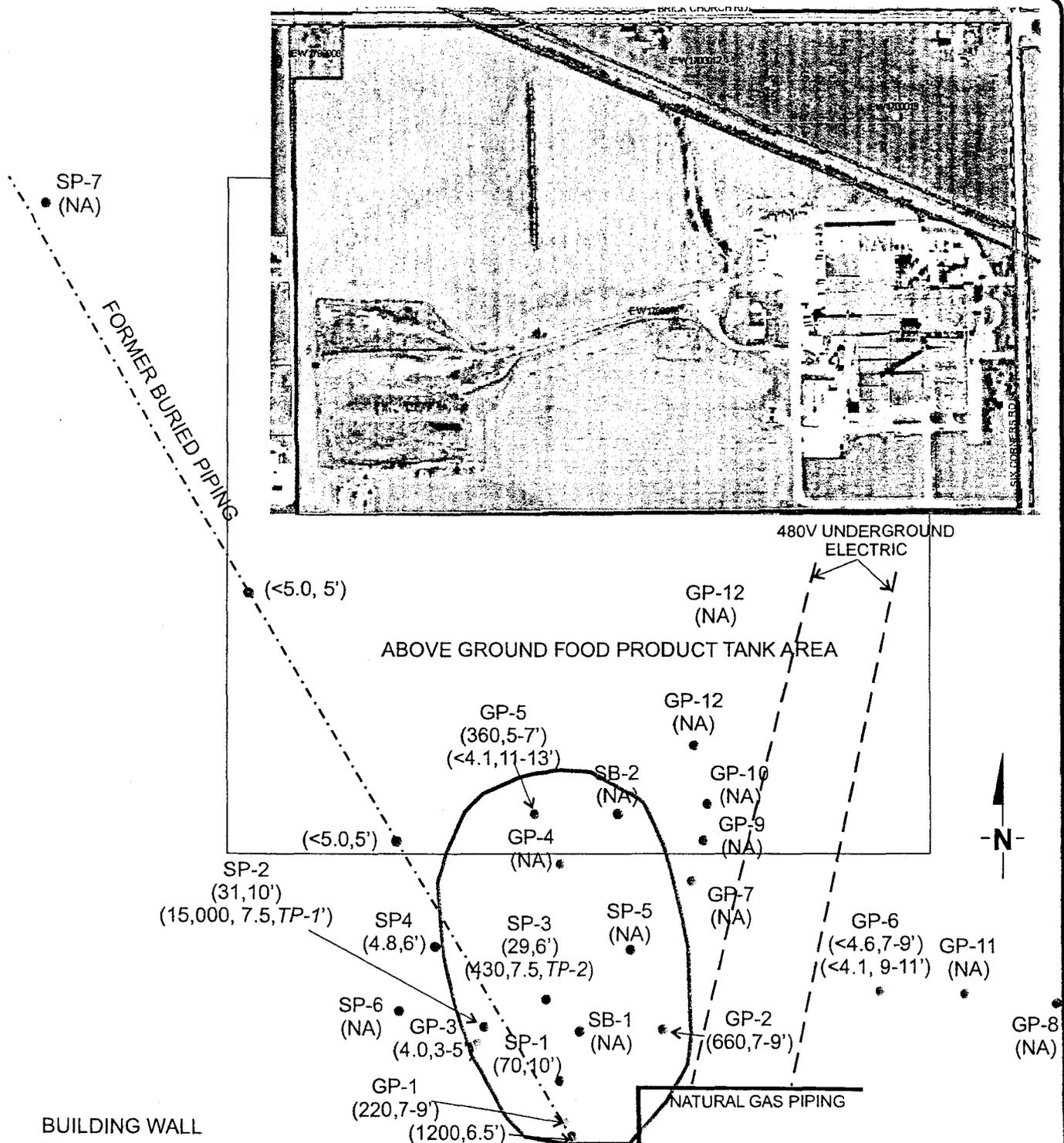


FIGURE 2. LOCATION OF SOIL ABOVE NR 720 SOIL CLEANUP STANDARDS

(660, 7-9') DIESEL RANGE ORGANICS CONCENTRATION IN SOIL SAMPLE IN mg/kg AND SAMPLE DEPTH IN FEET BELOW GROUND SURFACE.

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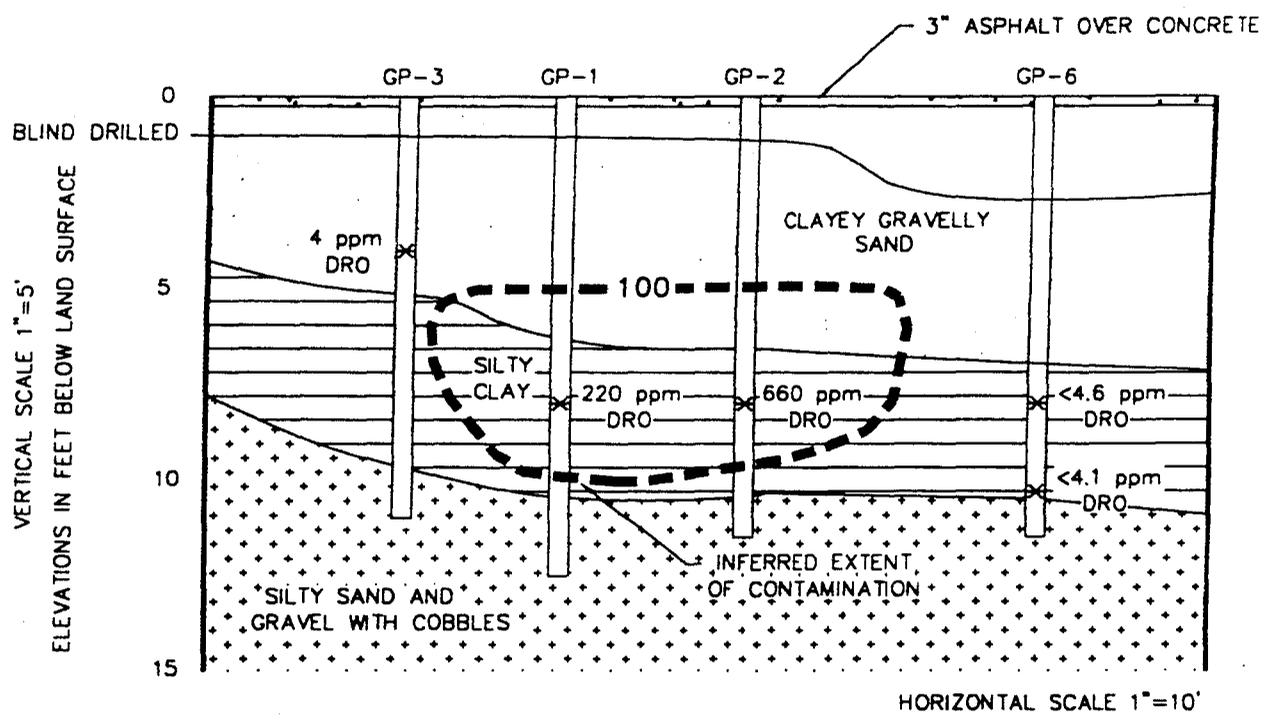


DRAWING NO. 96.734R3
 DRAWN BY: PAO
 3/24/97
 CHECKED BY: *LAH*
 APPROVED BY: *4/10/97*

LEGEND

- * SAMPLE INTERVAL
- DRO DIESEL RANGE ORGANICS
- 100 DRO ISOCONCENTRATION CONTOUR

NOTE: THE NR720 SOIL CLEANUP STANDARD FOR DRO IS 100 ppm.

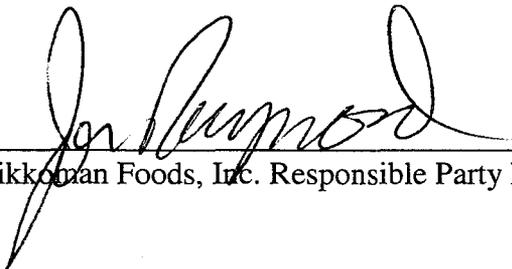


Geologic Cross-Section A-A'
Kikkoman Foods Site
Walworth, Wisconsin

FIGURE NO.
3

THE INTERPRETATIONS IN THIS FIGURE ARE BASED ON KNOWN POINTS IN TIME AND SPACE AND ARE INTEGRAL TO A...

I believe that the legal description for the property that has soil contamination exceeding generic contaminant levels as determined under ss. NR 720.09, 720.11 and 720.19, at the time that case closure is requested, other than public street or highway rights-of-way or railroad rights-of-way, have been submitted to the agency with administrative authority for the site, either as an attachment to the site investigation report or as part of a soil GIS registry attachment to the case close out report for Kikkoman Foods, Inc. Site referenced as Commerce # 53184-9998-00-A and WDNR BRRS #03-65-109775.



Kikkoman Foods, Inc. Responsible Party Representative

7/31/07
Date