Site Name: Proctor & Gamble, Iowa City

Pre-Remedial Initial Site Screening (ISS)

CON 12-15
Doc # 23701

Project Manager: Hylton Jackson

Date: 1/27/2011

Summarize the site history (past usages, past ownerships, wastes, known or suspected contamination pathways such as tanks, septic tank/tile field, lagoon, land applications, S.W. burial, etc)

The site is listed as Proctor & Gamble Hair Care and is a large manufacturer of personal care products. The site is located in the industrial park complex in southeastern Iowa City. No history was provided.

Briefly describe the site assessment that was conducted (number of borings, monitoring wells, number of samples, depth of soil samples and monitoring wells, analysis, etc.)

The assessment was associated with a filled-in-place UST Closure Report. The 21,000-gallon stainless steel UST contained perfume and was filled-in-place because of its proximity to other tanks. The underground piping associated with the perfume tank was removed. After the tank was cleaned it was filled with concrete. Five soil borings were advanced to depths of 20 to 21 feet bgs along the east, west, and south sides of the perfume UST. A soil sample was collected from each boring and analyzed for VOCs and TEH. A groundwater sample was collected from a nearby existing (west of the perfume UST) monitoring well. That groundwater sample was analyzed for VOCs and TEH.

Summarize the findings and conclusions regarding the contaminants found and their extent and concentrations. Relate those values to known criteria such as statewide standards, MCLs, water quality standards, background levels or other benchmarks used to determine site priority.

Soil:

p-Isopropyltoluene was detected in one soil sample (B1) at a concentration of 326 mg/kg, with no applicable Tier 1/Statewide Standard.

Toluene was detected in one soil sample (B1) at a concentration of 108 mg/kg, above the Tier 1 Standard for Soil Leaching to Groundwater of 42 mg/kg.

TEH Diesel was detected in two soil samples (B1 and B2) at concentrations of 262 mg/kg and 18.6 mg/kg, both below the below the Tier 1 standard for Soil Leaching to Groundwater of 3,800 mg/kg.

TEH Motor Oil was detected in two soil samples (B1 and B2) at concentrations of 31.2 mg/kg and 27.3 mg/kg, with no applicable Tier 1/Statewide Standard.

TEH Gasoline was detected in one soil sample (B1) at a concentration of 32.2 mg/kg, with no applicable Tier 1/Statewide Standard.

Groundwater:
Acetone was detected in the groundwater sample at a concentration of 0.446 mg/l, below the Statewide Standard of 6.3 mg/l.
p-Isopropyltoluene was detected in the groundwater sample at a concentration of 0.0356 mg/l, with no applicable Tier 1/Statewide Standard.
TEH Gasoline was detected in the groundwater sample at a concentration of 9.110 mg/l, with no applicable Tier 1/Statewide Standard.
TEH Diesel was detected in the groundwater sample at a concentration of 31.60 mg/l, above the Tier 1 Standard of 1.20 mg/l.
TEH Motor Oil was detected in the groundwater sample at a concentration of 2.780 mg/l, above the Tier 1 Standard of 0.400 mg/l.

Identify on-site or off-site potential and actual targets (e.g., municipal wells, private wells, drinking water intakes). What is known of the neighboring area, i.e., are there residences, businesses, public use areas, etc.? Are there utility lines that could be impacted by site contaminants? Identify any other use/location issues that deserve consideration.
The site is located in an industrial/commercial area on the southeast portion of Iowa City. It can be assumed that the area is served by municipal utilities. The site is not located within any source water protection area. The nearest water supply wells noted in records and the well search is a 82-foot deep Public Water Supply (PWS) well at the Sunrise Village Mobile Home Park and two PWS wells (one 423 feet deep and one 324 feet deep) at Modern Manor Mobile Home Park. All wells are approximately 5,500 feet east of the site.

Rate the site on a scale of 1 to 4, in decreasing order of severity or priority.
2

Summarize the reasoning, knowledge or any other information used in determining your recommendation regarding the priority assigned to this site.
The information presented in the UST Closure Report would seem to indicate the release of some material (the p-isopropyltoluene, toluene, and possibly the acetone) previously stored in the perfume UST. Records indicate that there is a 20,000-gallon low-sulfur diesel AST onsite. Aerial photographs of the site would seem to indicate the presence of numerous ASTs on the property. The data in the UST Closure Report indicates that petroleum contaminants have been released onsite, the nature and extent of which has not been defined. Proctor and Gamble will be required under state authority to do an additional environmental assessment in order to determine the nature and extent of the release. The Department will require that a brief work plan be developed and submitted for review prior to the initiation of any field activities.

Contact information for the facility is:
Becky Crooks, P & G Environmental Leader
Proctor and Gamble Hair Care LLC
2200 Lower Muscatine Road
Iowa City, IA 52240
Email: Crooks.rb@pg.com

Site recommended for:

- ☐ No further action
- ☐ Additional investigation under state program (activity code 2824)
- ☒ Additional investigation under CERCLA (Extended Site Screening)
- ☐ Additional investigation by responsible party
- ☐ Transfer to LUST/UST

Form Reviewed: Cal Lundberg **Date Reviewed:** 1/27/11

PRE-CERCLIS SCREENING ASSESSMENT CHECKLIST/DECISION FORM

This checklist can assist the site investigator during the Pre-CERCLIS screening. It will be used to determine whether further steps in the site investigation process are required under CERCLA. Use additional sheets, if necessary.

Checklist Preparer: Hylton Jackson, Environmental Specialist (Name/Title) 1/24/2011 (Date)
502 East 9th Street, Des Moines, IA 50309 (Address) 515 242 5084 (Phone)
Hylton.Jackson@dnr.iowa.gov (E-mail Address)

Site Name: Proctor & Gamble, Iowa City

Previous Names (if any):

Site Location: 2200 Lower Muscatine Road
Iowa City (City) IA (ST) 52240 (Zip)

Latitude: 41.6411231 **Longitude:** 91.5022116

Compare the following checklist. If "yes" is marked, please explain below.	YES	NO
1. Does the site already appear in CERCLIS?	☐	☒
2. Is the release from products that are part of the structure of, and result in exposure within, residential buildings or businesses or community structures?	☐	☒
3. Does the site consist of a release of a naturally occurring substance in its unaltered form, or altered solely through naturally occurring processes or phenomena, from a location where it is naturally found?	☐	☒
4. Is the release into a public or private drinking water supply due to deterioration of the system through ordinary use?	☐	☒
5. Is some other program actively involved with the site (i.e., another Federal, State, or Tribal program)?	☐	☒
6. Are the hazardous substances potentially released at the site regulated under a statutory exclusion (i.e., petroleum, natural gas, natural gas liquids, synthetic gas usable for fuel, normal application of fertilizer, release located in a workplace, naturally occurring, or regulated by the NRC, UMTRCA, or OSHA)?	☒	☐
7. Are the hazardous substances potentially released at the site excluded by policy considerations (e.g., deferral to RCRA Corrective Action)?	☐	☒
8. Is there sufficient documentation that clearly demonstrates that there is no potential for a release that could cause adverse environmental or human health impacts (e.g., comprehensive remedial investigation equivalent data showing no release above ARARs, completed removal action, documentation showing that no hazardous substance release have occurred, EPA approved risk assessment completed)?	☐	☒

Please explain all "yes" answer(s), attach additional sheets if necessary:

The information presented in the UST Closure Report would seem to indicate the release of some material (the p-isopropyltoluene and possibly the acetone) previously stored in the perfume UST. These contaminants are comingled with petroleum compounds released from an unknown source.

Site Determination:

☐ Enter the site into CERCLIS. Further assessment is recommended (Explain below).

☒ The site is not recommended for placement into CERCLIS (Explain below).

☐ Further assessment is recommended under PRE-CERCLA (Explain below).

DECISION/DISCUSSION/RATIONALE:
The onsite comingled contaninant plume contamination will be regulated under CERCLA.

Regional EPA Reviewer:

Print Name/Signature | Date

State Agency/Tribe:

CAL LUNDBERG | 1/27/11
Print Name/Signature | Date

REGION VII
U.S. ENVIRONMENTAL PROTECTION AGENCY

ENFORCEMENT SENSITIVE INFORMATION
FOR INTERNAL USE ONLY

LOCATION FORM - *(Required information highlighted in red)*

SITE NAME: Proctor & Gamble, Iowa City **EPA ID:** ____

Latitude: 41.6411231 **Longitude:** 91.5022116 **Measurement Sequence:** ____
(Decimal Decree format) (See Comment A)

Lat/Long Source:
- ☐ Contractor
- ☐ Dun & Bradstreet
- ☐ EPA Region 7
- ☐ Geograph
- ☐ Other Federal Agency
- ☐ Regulated Entity
- ☐ State
- ☐ EPA Headquarters
- ☐ Epic
- ☐ Other
- ☒ Private
- ☐ SNAP
- ☐ Tribe
- ☐ Unknown
- ☐ (Blank)

Designate Lat/Long: ☐ Primary ☐ NPL Coordinate

Collection Method:
- ☐ Address Matching -House Number
- ☐ Address Matching - Block Face
- ☐ Address Matching - Street Centerline
- ☐ Address Matching -Nearest Intersection
- ☐ Address Matching - Primary Name
- ☐ Address Matching - Digitized
- ☐ Address Matching - Other
- ☐ Census Block - 1990 - Centroid
- ☐ Census Block/Group 1990-Centroid
- ☐ Census Block/Tract - 1990 - Centroid
- ☐ Classical Surveying Techniques
- ☐ Census - Other
- ☐ GPS Carrier Phase Static Relative Position
- ☐ GPS Carrier Phase Kinematic Relative Position
- ☐ GPS, with Canadian Active Control System
- ☐ GPS Code (Pseudo Range) Differential
- ☐ GPS Code (Pseudo Range) Precise Position
- ☐ GPS Code (Pseudo Range) Standard Position (SA-Off)
- ☐ GPS Code (Pseudo Range) Standard Position Service SA-On
- ☐ GPS-Unspecified
- ☐ Interpolation-Digital Map Source (TIGER)
- ☒ Interpolation-Map
- ☐ Interpolation -MSS
- ☐ Interpolation -Photo
- ☐ Interpolation – Satellite
- ☐ Interpolation - SPOT
- ☐ Interpolation-TM
- ☐ Interpolation - Other
- ☐ LORAN C
- ☐ Public Land Survey-Eighth Section
- ☐ Public Land Survey-Footing
- ☐ Public Land Survey-Quarter Section
- ☐ Public Land Survey-Section
- ☐ Public Land Survey-Sixteenth Section
- ☐ ZIP+2 Centroid
- ☐ ZIP+4 Centroid
- ☐ ZIP Code - Centroid
- ☐ Unknown

Reference Point:
- ☐ Administrative Building
- ☐ Air Monitoring Station
- ☐ Air Release Stack
- ☐ Air Release Vent
- ☐ Atmos. Emissions Trtmnt Unit
- ☐ Boundary Point
- ☐ Building Entrance
- ☐ Facility/Centroid Cent
- ☐ Facility/Station Bldg Entrance
- ☐ Intake Point
- ☐ Lagoon or Settling Pond
- ☐ Liquid Waste Treatment Unit
- ☐ Loading Area Centroid
- ☐ Loading Facility
- ☒ Monitoring Point
- ☐ NE Corner of Land Parcel
- ☐ NW Corner of Land Parcel
- ☐ Other
- ☐ Plant Entrance (Freight)
- ☐ Plant Entrance (General)
- ☐ Plant Entrance (Personnel)
- ☐ Process Unit Area Centroid
- ☐ Process Unit
- ☐ SE Corner of Land Parcel
- ☐ Solid Waste Storage Area
- ☐ Solid Waste Trtmnt/Disp. Unit
- ☐ Storage Tank
- ☐ SW Corner of Land Parcel
- ☐ Unknown
- ☐ Water Monitoring Station
- ☐ Water Release Pipe
- ☐ Well
- ☐ Well Protection Area
- ☐ Release Point
- ☐ Treatment/Storage Plant

Reference Datum: ☐ NAD27 ☒ NAD83 ☐ Other ☐ Unknown ☐ WGS84

Accuracy Meters +/-: ____ ☒ **Accuracy Unknown** **Collection Date:** 1/24/2011

Verification Method:
- ☐ Ground Truth Conducted
- ☐ Point in Polygon (Zip)
- ☐ Proximity to Polygon Centroid(Other)
- ☐ Verified Relative to Map Features (1:100K/Tiger)
- ☐ Verified Relative to Map Features (Other)
- ☐ Proximity to Polygon Centroid (County)
- ☐ Point In Polygon (County)
- ☐ Proximity to Alternative Facility Coordinate)
- ☐ Proximity to Polygon Centroid (Zip Code)
- ☐ Verified Relative to Map Features (1:24K)
- ☐ Verified, Unknown Method
- ☐ Point in Polygon (Other)
- ☐ Blank
- ☒ Not Verified

Point/ Line/ Area: ☒ AREA ☐ LINE ☐ POINT ☐ REGION ☐ ROUTE ☐ (BLANK)

Source Map Scale: ☐ 1:10,000 ☐ 1:12,000 ☐ 1:15,840 ☐ 1;20,000 ☐ 1:24,000 ☐ 1:25,000 ☐ 1:50,000 ☐ 1:62,500 ☐ 1:63,360 ☐ 1:100,000 ☐ 1:125,000 ☐ 1:250,000 ☐ 1:500,000 ☐ NONE ☒ UNKNOWN ☐ OTHER____

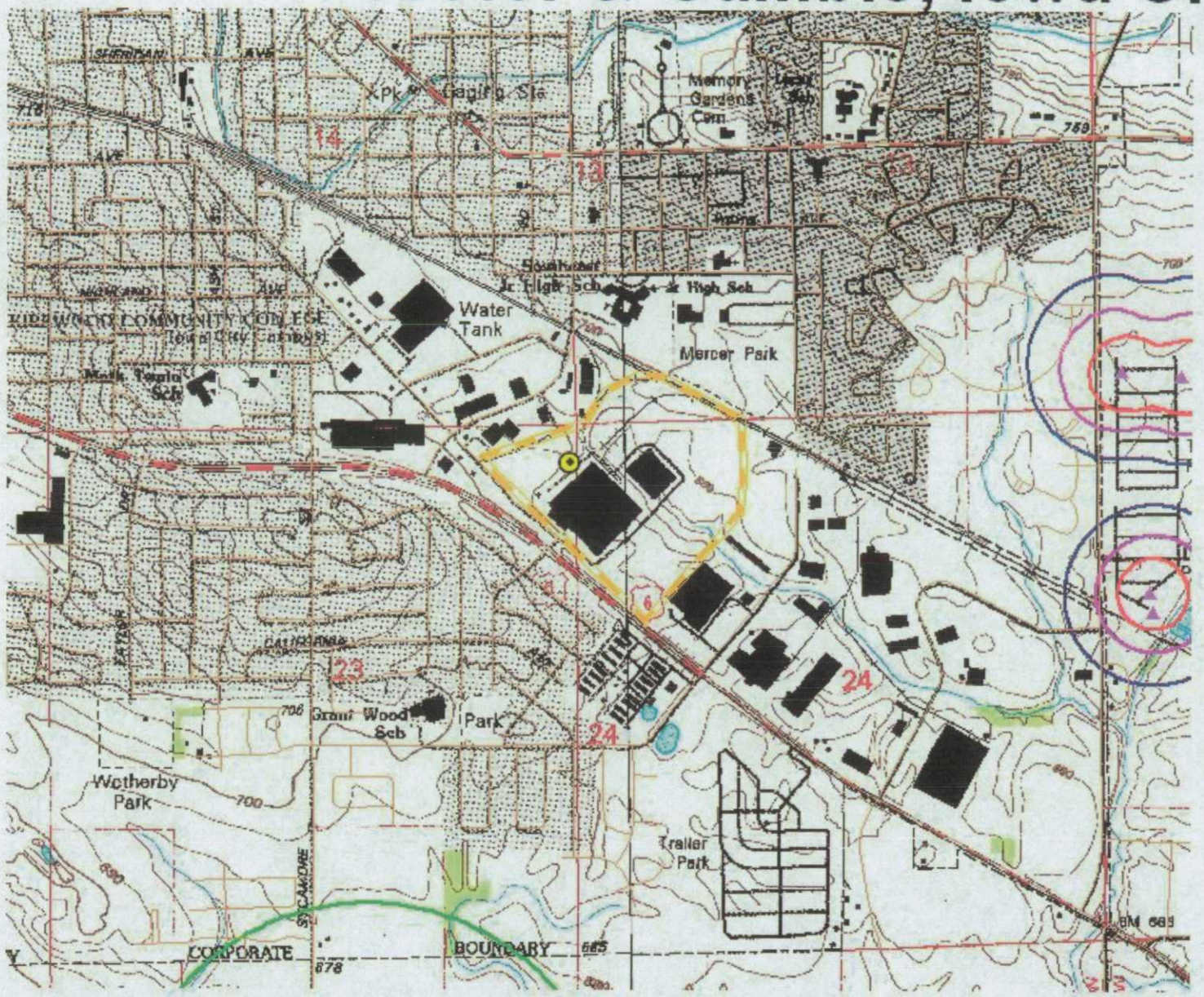
COMMENTS:____

Signatures:

RPM/OSC: _____ **Date:** ___/___/___ **BRANCH CHIEF:** _____ **Date:** ___/___/___

A) A sequential number to indicate the order in which points on a line or area are connected. For an area, the maximum point is connected to the first. Required if the feature is polygonal or linear 3 numeric.

Proctor & Gamble, Iowa City



Perfume UST

Proctor & Gamble Property

roads_2006_52.shp - Johnson Co.

Nonmunicipal PWS

Source Water Protection Area

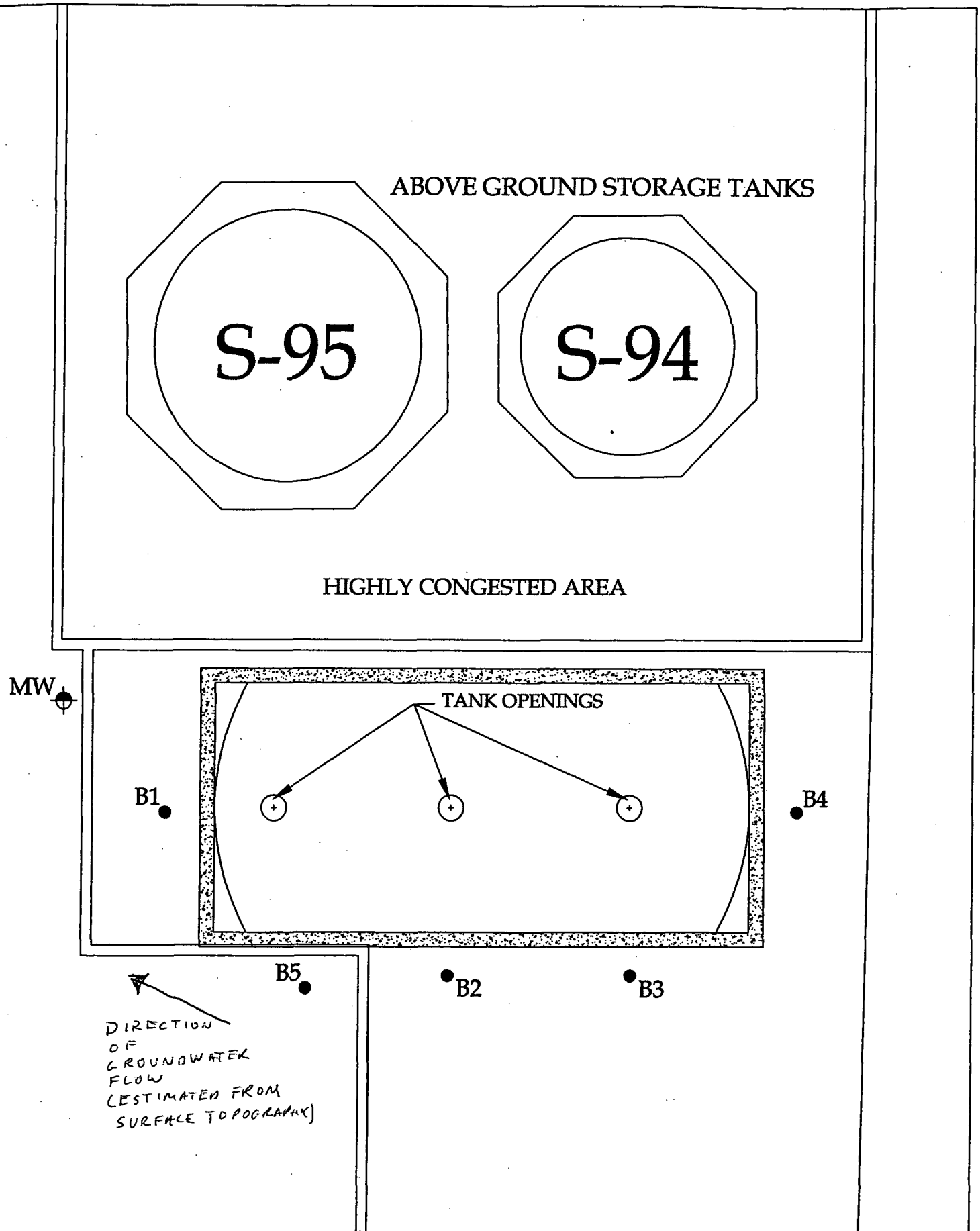
- 2-year
- 5-year
- 10-year
- 2500-foot
- 1-mile
- primary protection area
- surface runoff area
- hydrologic boundary
- County

N

W E

S


Area in Site Diagram
Proctor & Gamble, Iowa City
roads_2006_52.shp - Johnson Co.
County
N
W
E
S
0.1
0
0.1
0.2 Miles



FILE NAME: P & G	Seneca Companies Environmental Services		REVISED: 11/4/10
PROJECT NO: 6356412			DATE: 6/23/10
SITE: PROCTER AND GAMBLE IOWA CITY, IOWA		LUST #:	REVIEWED BY: ND
		SCALE:	DRAWN BY: