

**ATTACHMENT 01****FACILITY INFORMATION**

<b>Facility:</b>	<b>Penn-Mar Ethanol LLC</b> 1897 River Road Marietta PA 17547	<b>Latitude</b> :	40 04'
		<b>Longitude</b> :	76 38'
<b>Municipality:</b>	<del>West Donegal Township</del> <b>Conoy Township</b>		

**HAZARDOUS MATERIALS**

<i>CAS Number</i>	<i>Substance</i>	<i>Amount</i>	<i>Location Description</i>
7664-41-7	Anhydrous Ammonia	8,000 lbs	
7664-93-9	Sulfuric Acid	7,000 gal	

**FACILITY VULNERABILITY ANALYSIS**

The facility manufactures ethanol using varying processes. The facility is made up of numerous processes including distilling, fermentation and dehydration. There are numerous storage areas and associated buildings including maintenance, administration, utility areas, above ground storage tanks and cooling towers. The facility will operate 24 hours a day, seven days a week. The number of employees is estimated to be 34 with 26 during daytime hours and the remaining employees during night shift operations.

A release of material from the facility could affect an 8.5 mile radius from the facility including the following municipalities:

**LANCASTER COUNTY**

Conoy Township\*

West Donegal Township\*

Mount Joy Township\*\*

Marietta Borough\*\*

Elizabethtown Borough\*\*

West Hempfield Township\*\*\*

Rapho Township\*\*\*

East Donegal Township\*

Columbia Borough\*\*\*

Mount Joy Borough\*\*\*

Note: \* - Portion of municipality within 2.5 miles of facility.  
 \*\* - Portions of municipality within 5.0 miles of facility.  
 \*\*\* - Portions of municipality within 8.5 miles of facility

**DAUPHIN COUNTY**

Conewago Township

Londonderry Township

Middletown Borough

**YORK COUNTY**

Hellam Township

Springettsbury Township

York City

East Manchester Township

Manchester Township

Lower Windsor Township

Conewago Township

York Haven Borough

Manchester Borough

Mount Wolf Borough

York Township

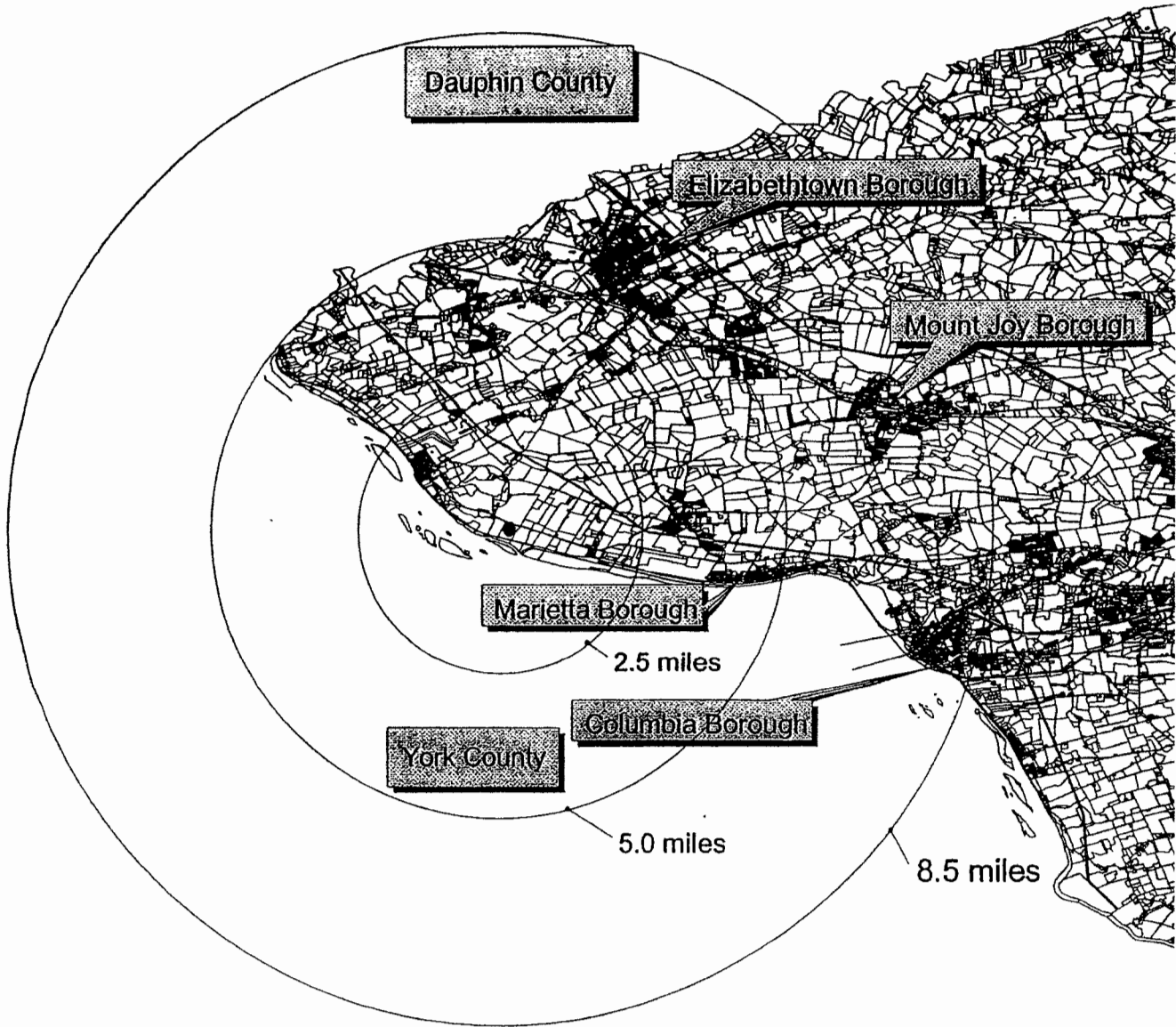
**LEBANON COUNTY**

South Londonderry Township

A release of Ammonia will prompt a potential 2.5 mile evacuation radius. Distances up to 5.0 miles will prompt sheltering in place. Distances up to 8.5 miles will require advisement and monitoring of plume dispersion based upon weather conditions.

**PENN-MAR ETHANOL LLC**  
**(Conoy Township)**

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(Conoy Township)**

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**Dauphin County**

**Bainbridge**

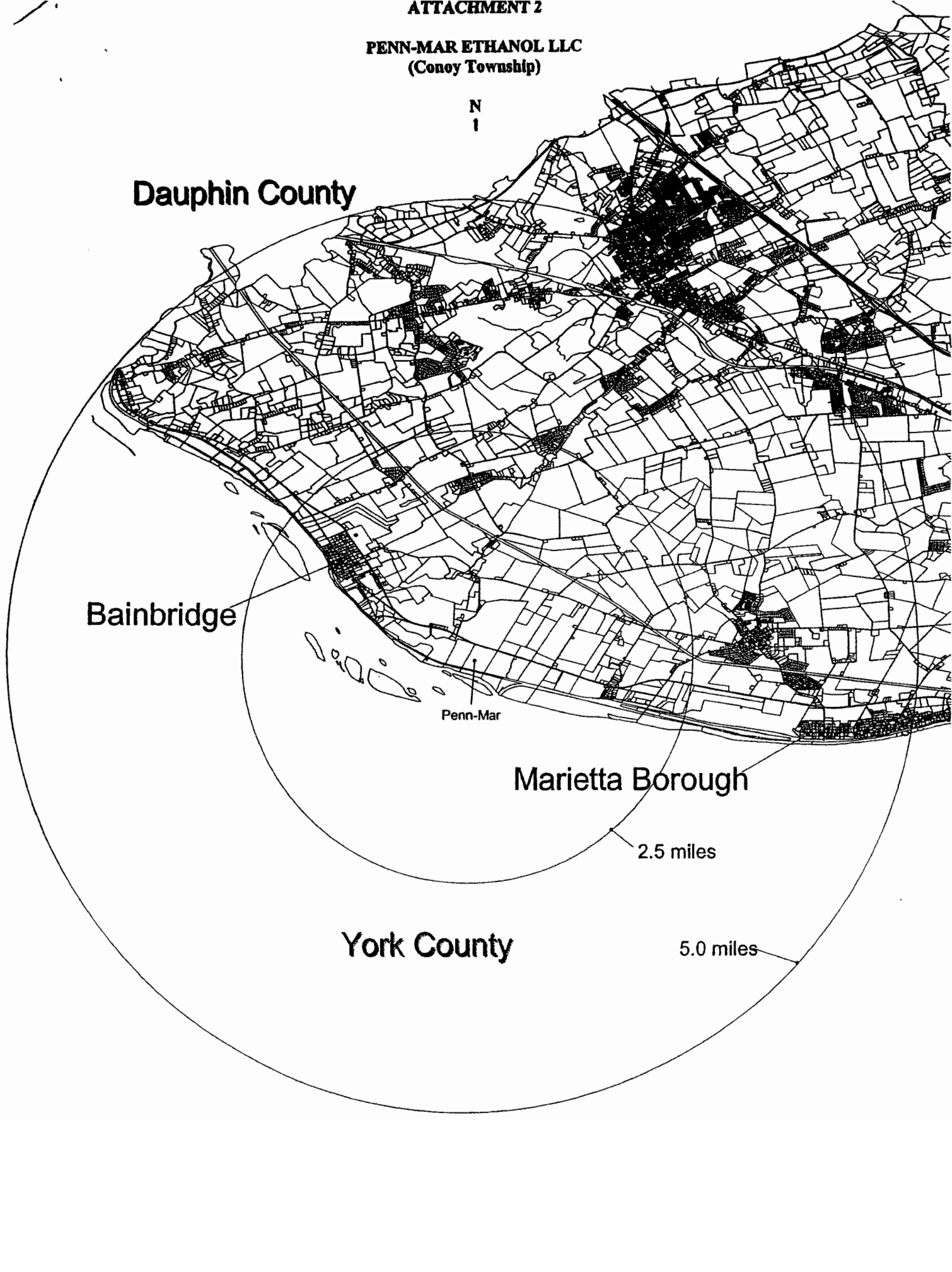
Penn-Mar

**Marietta Borough**

2.5 miles

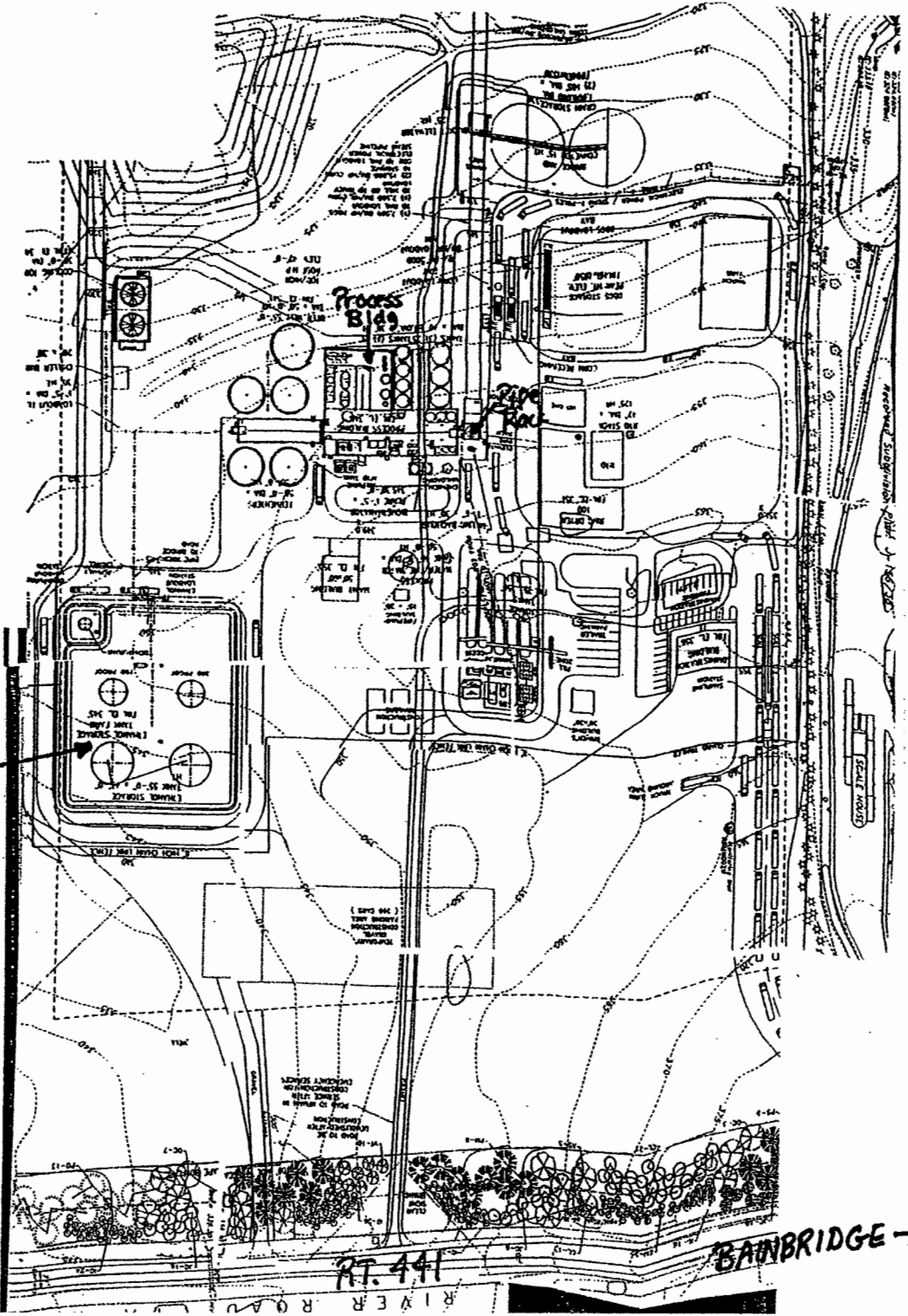
**York County**

5.0 miles



**PENN-MAR ETHANOL LLC  
(Conoy Township)**

**SITE MAP  
(To be detailed after construction)**



**FACILITY CAPABILITIES**

Material containers are observed daily for defects by facility personnel. A release of material would be detected through the use of the senses.

**FACILITY RESOURCES**

1. Personnel Resources

Technical experts trained in firefighting and HAZWOPER

2. Equipment:

Ventilation

Louvers, wall and roof fans will be part of the process building, drying area and any operating structure.

Confinement

Tank farm will have impervious basin with a capacity of at least 840,000 gallons.

3. Vehicles:

None

4. Medical Aid:

Medical aid kits will be available on site.

5. Clean-Up Capabilities:

Absorbents, booms, neutralizing agents and protective suits.

**ATTACHMENT 07****RELEASE EXPOSURE DISTANCES**

A release of material in the below listed amounts could affect the indicated distances. Distances or "Areas of Concern" (AOC) are dependent upon wind speed and direction. AOC's however, should be observed in a complete radius. AOC's were determined using the Environmental Protection Agency's "Technical Guidance for Hazards Analysis" December 1987.

**AMMONIA**

RELEASE Pounds Per Minute	WIND SPEED	
	1 mph - AOC in Miles	11.9 mph - AOC in Miles
1000	1.9	.6
2000	3.0	.8
3000	4.0	1.1
4000	4.9	1.3
5000	5.8	1.5
6000	6.7	1.7
7000	7.6	1.9
8000	8.5	2.1

**HAZARDOUS MATERIAL SHIPPING ROUTES**

1. Via Truck
  - a. Primary Route - Route 441 from both the north and south.
  - b. Alternate Route - None
2. Train - Not Applicable for EHS.
3. Via Air - Not Applicable for EHS.
4. Via Water - Not Applicable for EHS.

**ATTACHMENT 07****RELEASE EXPOSURE DISTANCES**

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**SULFURIC ACID**

RELEASE Pounds Per Minute	WIND SPEED	
	10 mph - AOC in Miles	15 mph - AOC in Miles
1	.1	<.1
50	.8	.2
100	1.2	.4
200	1.8	.5
300	2.4	.7
400	2.9	.8
500	3.4	.9
600	3.8	1.0
700	4.3	1.1

**HAZARDOUS MATERIAL SHIPPING ROUTES**

1. Via Truck
  - a. Primary Route - Route 441 from both the north and south.
  - b. Alternate Route - None
2. Train - Not Applicable for EHS.
3. Via Air - Not Applicable for EHS.
4. Via Water - Not Applicable for EHS.

## ATTACHMENT 08

### A. FACILITIES SUBJECT TO RISK

**Risk Areas Within an 8.5 mile radius of the facility are identified in Attachment 1.**

**Risk Facilities within 2.5 miles (other than residences)**

Bainbridge Elementary School

Conoy Canal Park

Conoy Creek Park

Susquehanna River (recreation areas)

**Risk Facilities within 5.0 miles (other than residences)**

Masonic Homes – northeast of facility – West Donegal Township

Maytown Elementary School – east of facility – East Donegal Township

Fuhrman Memorial Park – east of facility- East Donegal Township

Donegal Springs Airport – east of facility – East Donegal Township

Rheems Elementary School – northeast of facility – West Donegal Township

Conewago Industrial Park – North of facility – West Donegal Township

Mill Road Elementary School – north of facility – Elizabethtown Borough

Riverfront Park – east of facility – East Donegal Township

### B. FACILITIES POSING ADDITIONAL TO THE FACILITY

Route 441 – front of property.

Resource Recovery Facility – North side of property – Conoy Township

Armstrong World Industries – east of facility – East Donegal Township

Wyeth Vaccines – east of facility – East Donegal Township

Texas Eastern Transmission Station – east of facility – East Donegal Township

Master Foods USA – north of facility – Elizabethtown Borough

**ATTACHMENT 09**

**EMERGENCY TELEPHONE ROSTER**

**I. EMERGENCY RESPONSE AGENCIES**

<i>Description</i>	<i>Phone Number</i>
1. Bainbridge Fire Company	9-1-1
2. Susquehanna Regional Police Department PA State Police	9-1-1
3. Northwest EMS	9-1-1
4. Haz Mat 2 Environmental Fire Rescue Co.	9-1-1

**B. LOCAL COUNTY AND FEDERAL AGENCIES**

<i>Description</i>	<i>Phone Number</i>
1. Lancaster Co. Emergency Management Agency Randall S. Gockley , Coordinator	(717)664-1200 1-800-808-5236
Dauphin County Emergency Management Agency	717-588-6900
Lebanon County Emergency Management Agency	717-272-7621
York County Emergency Management Agency	1-800-427-8347
2. Pennsylvania Emergency Management Agency Watch Officer	(717)651-2001 1-800-424-7362
3. Conoy Township Emergency Management Coordinator Jim Smith	Work:(717)393-9641 NonWork:See EOC File
4. Department of Environmental Protection	1-877-333-1904
5. National Response Center (if applicable)	1-800-424-8802
6. DoD Hazmat Hotline (if necessary)	1-800-851-8061
7. CHEMTREC	1-800-424-9300

**C. FACILITY EMERGENCY COORDINATORS / CONTACTS**

<i>Description</i>	<i>Phone Number</i>
1. Facility Owner / Operator: Penn-Mar Ethanol, LLC	To Be Determined
2. Facility Personnel: a. Scott Welsh	Work-(717)846-7177 NonWork-(717)
b.	Work-(717) NonWork-(717)

**D. COMMUNITY ASSISTANCE / VOLUNTEER GROUPS**

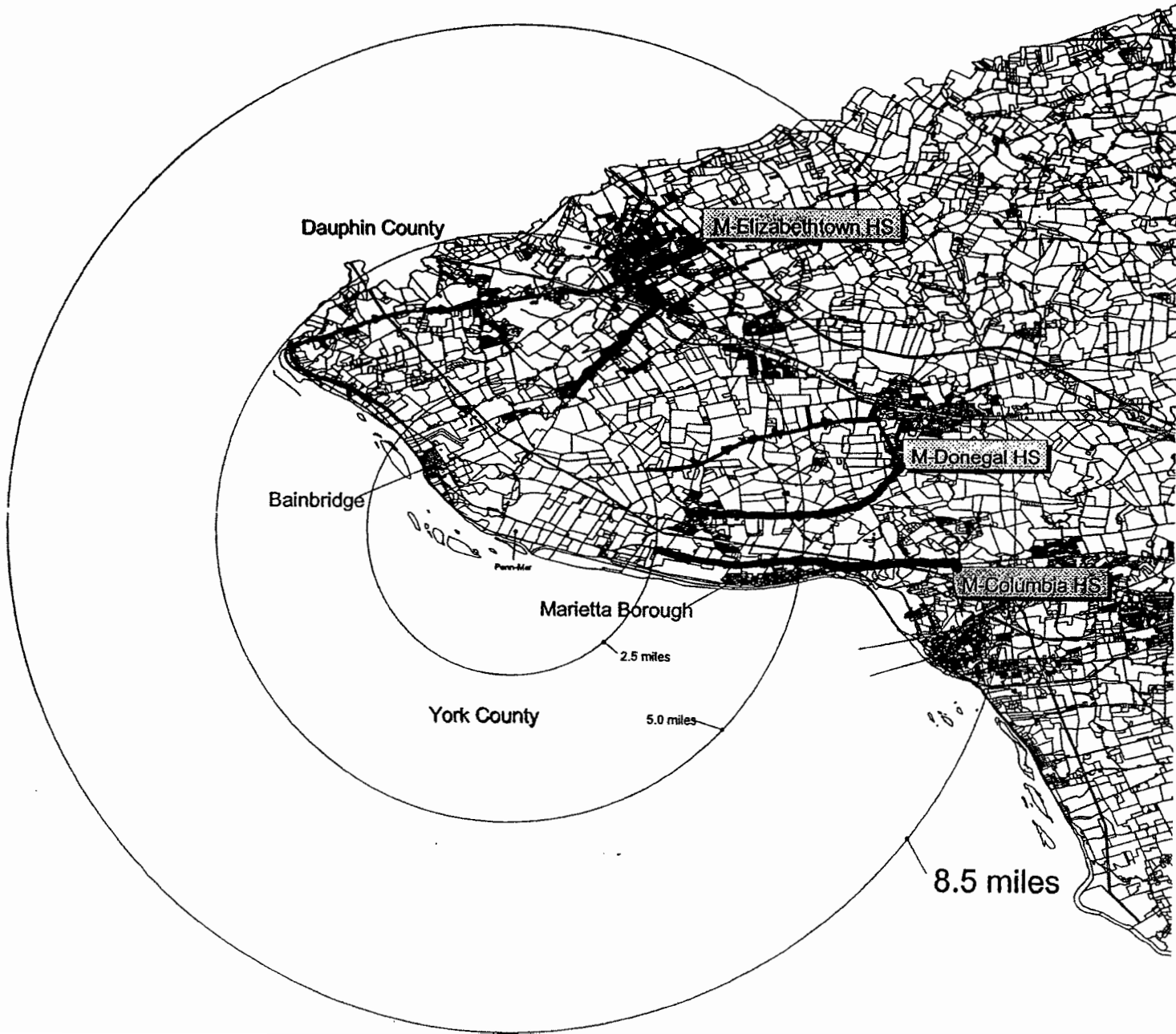
<i>Description</i>	<i>Phone Number</i>
1. American Red Cross of the Susquehanna Valley	(717)299-5561 x 200

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(Conoy Township)**

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M – Mass Care Center  
T – Traffic Control Point

— - Primary Evacuation Route  
- - Alternate Evacuation Route



**ATTACHMENT 11**

**COMMUNITY RESOURCES**

*Health Care*  
See Resource Manual on file in County EOC and Municipal EOCs

*Food Bank*  
See Resource Manual on file in County EOC and Municipal EOCs

**C. *Other Care Sites***

<i>Facility Name</i>	<i>Municipality</i>
Lancaster General Hospital	Lancaster City
Lancaster Regional Medical Center	Lancaster City
Community Hospital of Lancaster	Warwick Township
Ephrata Community Hospital	Ephrata Borough

**D. *Public Health Agency***

<i>Facility Name</i>	<i>Phone Number</i>
PA Dept. of Health-Lancaster Office	299-7597

**E. *Municipal Public Works/Road Crews***  
List on file in County EOC and Municipal EOCs

**F. *Miss Care Center***

<i>Facility Name</i>	<i>Disposition</i>	<i>Municipality</i>
Elizabethtown High School	6.5 miles northeast	Elizabethtown Borough
Donegal High School	6.5 miles east	East Donegal Township
Columbia High School	8.0 miles southeast	Columbia Borough

Note: Others to be identified as needed.

**G. *Chemical Manufacturer/Distributor***

**H. *Commercial Cleanup Contractor***  
List on file in County EOC and Municipal EOCs

**I. *Mitigation Resources (Foam, Sand, Lime)***  
Resource Book on file in County and Municipal EOCs