



# PADEP eMAP PA GIS Application

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Source Water Protection Program  
Bureau of Safe Drinking Water



Safe Drinking Water Starts at the Source!

ELANCO Annual SWP Meeting  
January 25, 2023



Josh Shapiro, Governor

Rich Negrin, Nominated Secretary

# <https://gis.dep.pa.gov/emappa/>



Tom Wolf, Governor   Ramez Ziadeh, Acting Secretary   DEP Home   Help

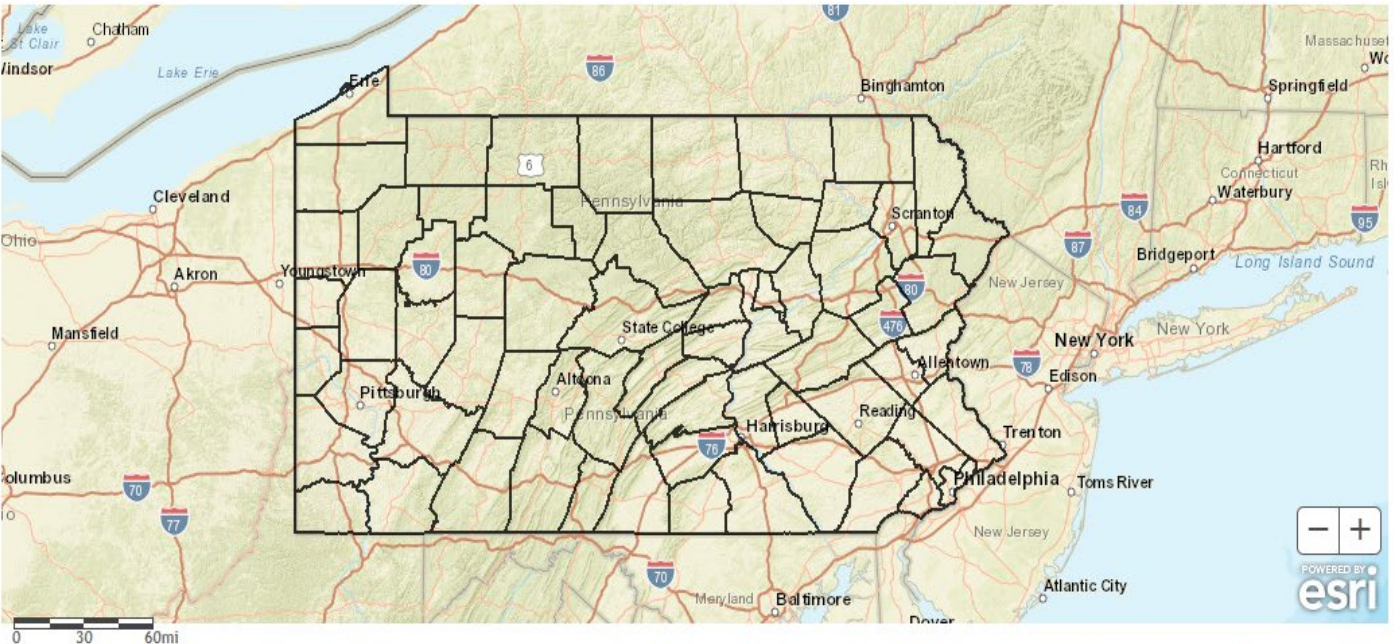


- Layers   Leg
- eMapPA Layers
    - + Complaints
    - + Federal EPA Sites
    - + Regulated Facilities
    - + Areas POI - Geologi
    - + Areas POI - Environ
    - + Areas POI - General
    - Boundaries
      - Zip Code Points
      - + DEP Regions
      - County Boundar
      - Municipalities
      - Zip Codes
      - State House Bo
      - State Senate Be
      - Congressional B
      - 7.5 Minute Qua
      - Voting Districts
      - Census Tract 20
      - Urbanized Area

Map   eFacts Query   Advanced Query

ESRI Streets & Imagery    Topographic    National Geographic

Streets   Imagery



Imagery: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community; ESRI Streets: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



# Zoom to Location and Select Layers of Interest

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Map   eFacts Query   Advanced Query

ESRI Streets & Imagery    Topographic    National Geographic

Streets   Imagery


- Surface water
- Treatment Facility
- Wells
- Streams and Water Resources
- Storage Tanks
  - Storage Tanks Active
  - Storage Tanks Inactive
- Waste
- Water
- Areas POI - Geological
- Areas POI - Environmental
- Areas POI - General
- Boundaries
  - Zip Code Points
  - DEP Regions
  - County Boundaries
  - Municipalities
  - Zip Codes
  - State House Boundaries
  - State Senate Boundaries
  - Congressional Boundaries
  - 7.5 Minute Quad Boundaries
  - Voting Districts
  - Census Tract 2010
  - Urbanized Areas 2010
  - Urbanized Areas 2000

Map showing a street grid with various colored icons representing environmental data points. A scale bar indicates 0, 0.2, and 0.4 miles. The map is powered by Esri.

Imagery: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community; ESRI Streets: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community



# Aerial Imagery vs ESRI Streets Imaging

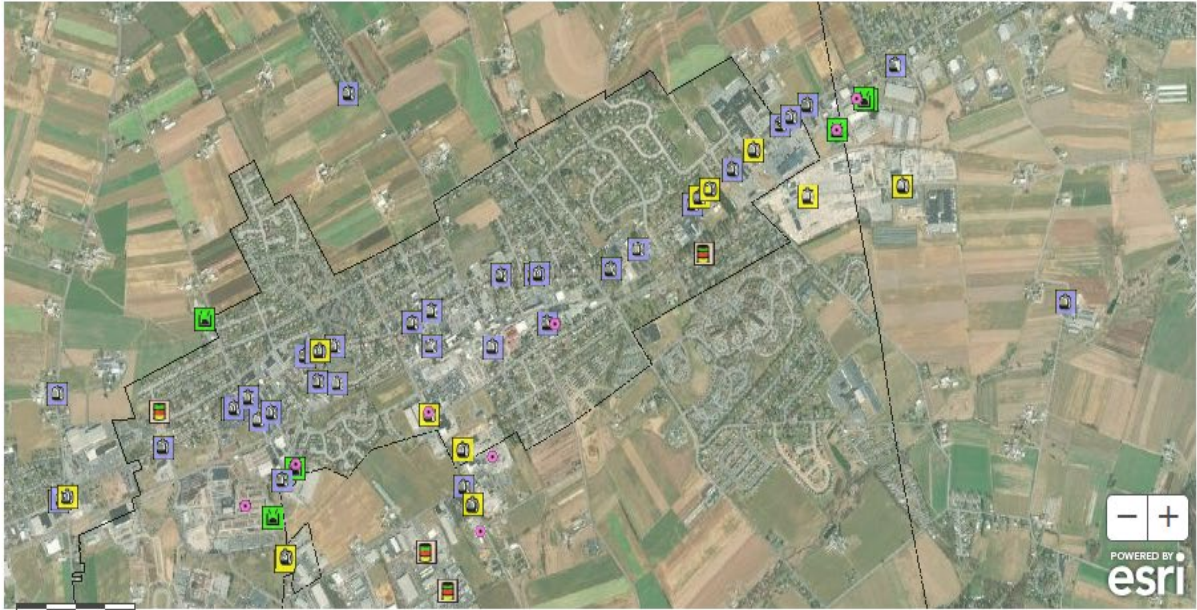
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Map   eFacts Query   Advanced Query

ESRI Streets & Imagery    Topographic    National Geographic

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0   0.2   0.4mi

POWERED BY **esri**

Imagery: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community; ESRI Streets: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

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# Identification Tool

The screenshot displays the eMapPA web application interface. At the top, the Pennsylvania Department of Environmental Protection logo is on the left, and navigation links for "Tom Wolf, Governor", "Ramez Ziadeh, Acting Secretary", "DEP Home", and "Help" are on the right. The main interface is divided into a left sidebar and a central map area.

**Left Sidebar (eMapPA):**

- Layers: Legend, Tasks, Links
- Sample Information System
- Streams and Water Resources
- Storage Tanks
  - Storage Tanks Active
  - Storage Tanks Inactive
- Waste
  - Residual Waste Operation
    - Composting - RWO
    - Generator - RWO
    - Impoundment - RWO
    - Incinerator - RWO
    - Land Application - RWO
    - Landfill - RWO
    - Processing Facility - RWO
    - Transfer Station - RWO
  - Municipal Waste Operation
    - Composting - MWO
    - Land Application - MWO
    - Landfill Abandoned - MWO
    - Landfill - MWO
    - Multiple Waste Generator - MWO
    - Processing Facility - MWO

**Map Area:**

- Map controls: eFacts Query, Advanced Query, ESRI Streets & Imagery, Topographic, National Geographic, Streets, Imagery.
- Map showing various storage tanks (represented by icons) and streets (e.g., W Huyard, E Spruce St, W Conestoga St, W Broad St, W Main St, George C Delp Rd, Orlan Rd, Commerce Dr, N Shirk Rd, N Hoover Ave, Menizer Ave, E Earl Rd, Staufflin Rd, Rancks Church).
- Information popup window titled "Storage Tanks Active (1 of 5)" with the following fields:
  - Facility ID:
  - Facility Name:
  - Facility Address1:
  - Facility Address2:
  - Facility City:
  - Facility State:
  - Facility Zip:
  - Facility county:
  - Facility Municipality:
  - Reg Expiration Date:
  - Tank Owner ID:
  - Tank Owner Name:
  - Tank Owner Address1:
  - Tank Owner Address2:
  - Tank Owner City:
  - Tank Owner State:
  - Tank Owner Zip:
- Scale bar: 0, 0.2, 0.4mi
- Imagery source information: Imagery: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community; ESRI Streets: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

Home Lock https://www.ahs.dep.pa.gov/eFACTSWeb/criteria\_facility.aspx

**PA.GOV OFFICIAL APP** Tom Wolf, Governor Ramez Ziadeh, Acting Secretary DEP Home

**eFACTS on the Web**  
DEP Information  
About DEP  
DEP Home  
**Search eFACTS**  
Authorization Search  
Client Search  
Facility Search  
Inspection Search  
Mammography Search  
Name Search  
Pollution Prevention  
Sites by County/Municipality  
Site Search  
**Other Sites**  
eMapPA  
eNotice  
EPA ECHO  
EPA Envirofacts  
Permits, Licensing, and Certification  
The PA Code

## Facility Search Screen

Use the search criteria below to find a Facility or to produce a list of Facilities.

Minimum search criteria: At least four criteria (or a specific Facility ID or a specific County)

Facility ID:

Other Id:  (3 or more characters; partial matches will be included)

Facility Name:  (3 or more characters; partial matches will be included)

City:  (3 or more characters; partial matches will be included)

Zip Code:

Status:

Program:

County:


[Reset search criteria](#)


*Need help? [Contact Us](#)*

Pennsylvania Department of Environmental Protection  
Rachel Carson Building | 400 Market Street | Harrisburg, PA 17101



# Data Extraction for ArcGIS

 Tom Wolf, Governor Ramez Ziadeh, Acting Secretary DEP Home Help

 **eMapPA**

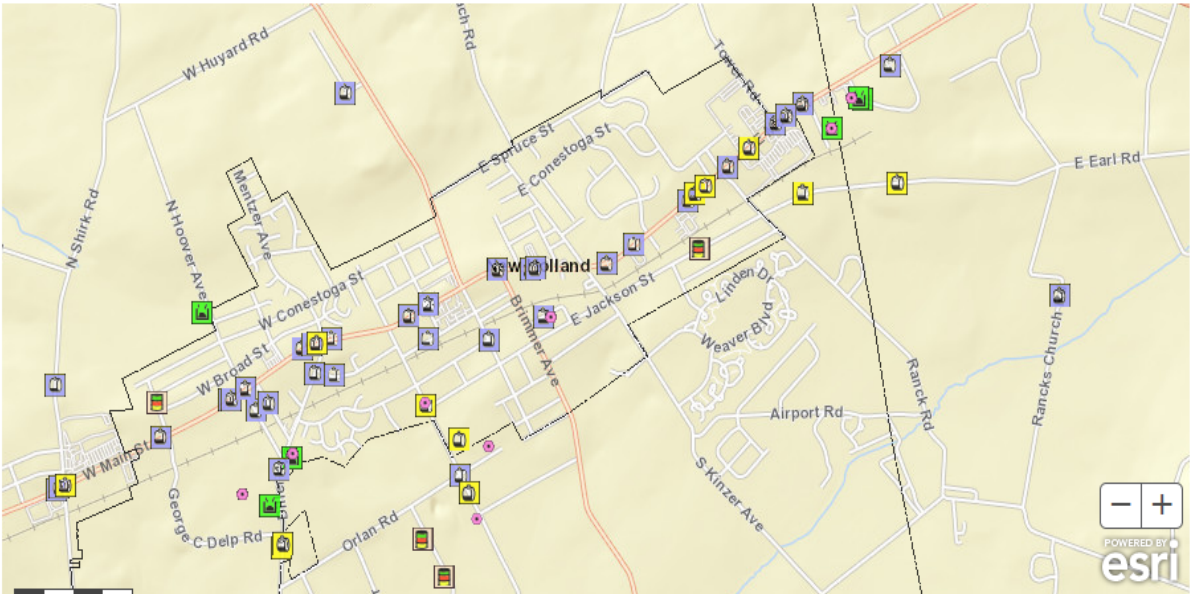
Layers Legend Tasks Links

- ▶ Buffer a Layer
- ▶ Buffer Sensitive Layer (Data Only)
- ▼ Extract Data  
This functionality is currently unavailable. Please visit [Pennsylvania DEP OPEN | Data](#) or [PASDA](#) to download layers.
- ▶ Locate
- ▶ Measurement
- ▶ Print

Map eFacts Query Advanced Query


ESRI Streets & Imagery  Topographic  National Geographic

Streets Imagery



Imagery: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community; ESRI Streets: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

# Point Buffer

 **Confirm Location and Export to CSV** Tom Wolf, Governor Ramez Ziadeh, Acting Secretary DEP Home Help

**eMapPA**

Layers Legend Tasks Links

**Buffer a Layer**

Buffer a  
 Point  Polyline  Polygon

Enter buffer distance  
0.5 Miles

Layer to buffer  
Storage Tanks Active

Create Buffer Clear

► Buffer Sensitive Layer (Data Only)

**Extract Data**

This functionality is currently unavailable. Please visit [Pennsylvania DEP OPEN | Data](#) or [PASDA](#) to download layers.

► Locate

► Measurement

Map eFacts Query Advanced Query

ESRI Streets & Imagery Topographic National Geographic

Streets Imagery

4 features in buffer.

Export to CSV X

| FACILITY_ID | FACILITY_NAME | FACILITY_ADDRESS1 | FACILITY_ADDRESS2 |
|-------------|---------------|-------------------|-------------------|
|             |               |                   |                   |

Imagery: Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community; ESRI Streets: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community

ArcGIS 8.0 Data Sources - Adobe Acrobat Reader (32-bit)



# Polyline Buffer

Map | eFacts Query | Advanced Query

ESRI Streets & Imagery | Topographic | National Geographic

Streets | Imagery

Layers | Legend | Tasks

▼ Buffer a Layer

Buffer a  
 Point  Polyline  Polygon

Enter buffer distance  
0.1 Miles

Layer to buffer  
Storage Tanks Active

Create Buffer Clear

► Buffer Sensitive Layer (Data Only)

► Extract Data

► Locate

► Measurement

► Print

4 features in buffer.

Export to CSV X

| FACILITY_ID | FACILITY_NAME | FACILITY_ADDRESS1 | FACILITY_ADDRESS2 |
|-------------|---------------|-------------------|-------------------|
|             |               |                   |                   |
|             |               |                   |                   |
|             |               |                   |                   |
|             |               |                   |                   |



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## Contact Information:

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