



## OHIO HISTORIC PRESERVATION OFFICE: RESOURCE PROTECTION & REVIEW Section 106 Review- Project Summary Form

This Project Summary Form is intended as an organizational tool to help prepare information used by Agency Officials to make decisions about federally assisted projects under [36 CFR 800](#), regulations implementing Section 106 of the National Historic Preservation Act. At any time during your project planning process, you are encouraged to contact OHPO if you have questions about how to use this Project Summary Form. You may also contact OHPO to talk about how to identify historic properties for your project, consult with the public, or develop alternative procedures for complex projects or programs. Agencies planning large or complex projects are strongly encouraged to contact OHPO early in their project planning process, so that we can discuss alternative survey options that could help you meet your responsibilities under 36 CFR 800.

This form will typically be required by OHPO to facilitate project reviews, but submission of this form does not complete the Section 106 process. You must work with other consulting parties, OHPO and the public to fulfill 36 CFR 800; your project records should demonstrate that you have carried out the consultative process required by 36 CFR 800. Incomplete submissions to OHPO will trigger a request for additional information and will delay completion of our review. Materials submitted for review cannot be returned. Following review of the Project Summary Form and the associated documentation, OHPO may request additional information to assess the effects of the project on historic properties.

Please prepare one copy of this Project Summary Form for each project that is being submitted for review. Please type your responses or generate a computer-based form with your information entered. Applicants are encouraged to submit any additional information on separate sheets of paper and referencing the Project Summary Form section number and question. Submit this Project Summary Form by mail to OHPO, with supporting documentation attached. Due to limited resources, we are unable to accept any project submissions electronically. For help in completing this form, please see the directions located on the [OHPO Section 106 Reviews](#) web page.

***For projects requiring a license from the Federal Communications Commission, please use [FCC Forms 620 or 621](#). DO NOT USE THIS FORM.***



**OHIO HISTORIC PRESERVATION OFFICE:  
RESOURCE PROTECTION & REVIEW  
Section 106 Review- Project Summary Form**

**SECTION I. GENERAL PROJECT INFORMATION**

All contact information must include the name, address and phone number of the person listed. Email addresses should also be included, if available.

**This information is (check one):**

☒ **A NEW PROJECT SUBMITTAL**

☐ **ADDITIONAL INFORMATION RELATING TO PREVIOUSLY SUBMITTED PROJECT. PLEASE PROVIDE THE OHPO/RPR SERIAL NUMBER FOUND ON THE BOTTOM OF OHPO LETTER REFERENCING THE PREVIOUSLY SUBMITTED PROJECT:**

- a. **Project Name** (if applicable): Middletown Coke Company: Cogeneration Station
- b. **Project Address** or vicinity:
- c. Middletown, Butler County, Ohio
- d. **City/Township:** Middletown, Lemon Township, Ohio  
**County:** Butler County, Ohio
- e. **Federal Agency and Contact Person.** *If you do not know the federal agency involved in your project, please contact the party requiring you to apply for Section 106 review, not the SHPO, for this information. HUD Entitlement Communities acting under delegated environmental review authority should list their own contact information.*
- f. **Type of Federal Assistance.** *If you do not know the type of federal assistance involved in your project, please contact the party requiring you to apply for Section 106 review, not the SHPO, for this information. List all known federal sources of federal funding, approvals, and permits to avoid repeated reviews.*  
.
- g. **State Agency and Contact Person** (if applicable):  
The proposed project falls under the jurisdiction of the Ohio Power Siting Board (OPSB) and requires preparation of an application for a Certificate of Environmental Compatibility and Public Need
- h. **Type of State Assistance:**
- i. **Is this project being submitted solely under [Ohio Revised Code 149.53](#)?** *Answering yes to this question means that you are sure that no federal funding, permits or approvals will be used for any part of your project, and that you are seeking comments under ORC 149.53.*

☐ YES ☒ NO

j. **Consultant and/or Applicant Contact Person** (if applicable):

Christopher Bergman or Duncan Masemore  
36 East Seventh Street, Suite 2300  
Cincinnati, Ohio 45202  
513-651-3440

k. **Consultant and/or Applicant Project Reference Number** (if applicable):

l. **Public Involvement-** Describe how the public has been/will be informed about this project and its potential to affect historic properties. Also summarize how they will have an opportunity to provide comments:

Not applicable at this time.

m. **Please list other consulting parties that you have contacted/will contact about this project,** such as Indian Tribes, Certified Local Governments, local officials, property owners, or preservation groups. (See [36 CFR 800.2](#) for more information about involving other consulting parties). Also summarize how they will have an opportunity to provide comments:

Not applicable at this time.

## **SECTION II. PROJECT DESCRIPTION AND AREA OF POTENTIAL EFFECTS (APE)**

**Provide a basic description of your project, its site and geographical information. You will also describe your project's APE. (Please refer to the Directions or contact an OHPO reviewer if you need help with developing the APE.)**

**Exact project site location must be submitted on a USGS 7.5-minute topographic Quadrangle map for all projects** (map sections, photocopies of map sections, and [online versions of USGS maps](#) are acceptable as long as the location is clearly marked).

a. **USGS Quad Map Name:** Trenton and Monroe, Ohio

b. **Township/City/Village Name:** Lemon Township, Middletown, Ohio

**DOES THIS PROJECT INVOLVE ANY GROUND-DISTURBING ACTIVITY? (check one)**

X YES ☐ NO (If yes, you must complete II.c through II.f. If no, proceed directly to Section II.g.)

c. **General description of width, length and depth of proposed ground disturbing activity:**

For this project, the facilities include:



- A single steam turbine building (administration, operation, and Steam Turbine Generating Hall),
  - An administration area,
  - Flue gas desulphurization (FGD) area,
  - Outdoor Heat Recovery Steam Generating (HRSG) area, exterior tankage,
  - Cooling towers,
  - A 69kV substation and;
  - General roadway access to the major equipment.
- d. Narrative description of **previous land use** and past ground disturbances, if known:
- The entire proposed direct APE has been used for agriculture.
- e. Narrative description of **current land use** and conditions:
- Currently the land is primarily undeveloped (rural) land consisting of fallow fields, planted agricultural fields and/or pastures.
- f. Does the landowner know of any **archaeological resources** found on the property? ☐ YES ☒ NO  
If yes, please describe:
- g. Provide a **local map** indicating the location of the project site; road names must be included and legible. Your map must show the exact location of the project site relative to nearby intersections and geographical features:  
Please see Figure 1 in the attached letter.
- h. Provide a **detailed written description** of the project. This is a **critical** part of your submission (please see Directions). The information provided must support your analysis of effects to historic properties, not other types of project impacts (do not simply include copies of environmental documents or other types of specialized project reports):
- i. Middletown Coke Company (MCC), a subsidiary of SunCoke Energy (SunCoke) is developing a site in Middletown, Ohio with a heat recovery coke oven project that will provide a stable and economic supply of metallurgical coke to AK Steel's adjacent Middletown Works. One of the by-products of MCC's process is heat, which is turned into steam during the flue gas cooling process. MCC proposes to utilize otherwise wasted heat from the coke plant to generate electricity. The Cogeneration Station will be located in Butler County, in the City of Middletown, bordered by State Route 4 to the west, Yankee Road to the east, Oxford State Road and Dicks Creek to the north and residential and agricultural land to the south. The Cogeneration Station will be located within an approximately 3-acre tract of land located to the southeast of the Coke Plant that will be located on an approximately 250-acre tract of land, which was optioned by SunCoke for the construction of a coke facility. The proposed power generation equipment will occupy only about 3 acres of the site. Other proposed facilities include coke ovens and their associated facilities including rail, road, or other site infrastructure.

The Cogeneration Station will include a single steam turbine building (administration, operation, and STG Hall), an administration area, flue gas desulphurization (FGD) area, outdoor HRSG area, exterior tankage, cooling towers, 69kV substation and general roadway access to the major equipment. The Cogeneration Station will require several auxiliary systems to support power generation including: 1) condensate; 2) feedwater; 3) blowdown; 4) flue gas; 5) station water

treatment; 6) station compressed air; 7) station process cooling water; 8) station circulating cooling water; 9) station monitoring and control; 10) station electric supply; and, 11) utility interconnection.

- j. On the same local map and/or USGS Quad Map, you must clearly **show the project APE**. It should be clearly distinguished from other features shown on the map.

Please see Figures 1 and 2 on the attached letter.

- k. Provide a **written description of the APE**, including a discussion of the potential for direct and indirect effects that might result from the project, the steps taken to identify the APE, and the justification for the boundaries chosen (see Directions for additional information).

The Area of Potential Effect (APE) for this project consists of the land directly impacted by ground disturbance which includes the Cogeneration Station and support features discussed above and locations of access road to the major equipment (direct APE), and the surrounding viewshed (indirect APE) which includes cultural resources that may be visually impacted by the construction of the items above. URS identified previously recorded cultural resources within two miles and immediately adjacent to the project area to evaluate the viewshed.

### **SECTION III. IDENTIFICATION OF HISTORIC PROPERTIES**

**Describe whether there are historic properties within your project APE. You will use information from your own Field Survey and Background Research to make this determination. See Section III.e for reporting options to help you complete this Section. (Please refer to the Directions or contact an OHPO reviewer if you are unsure about how to identify historic properties for your project.)**

- a. **Background Research**- Describe the steps taken to determine whether or not any previously identified historic properties are located in the APE. Please describe the level of effort made to carry out this step (i.e.- OHPO literature review, [OHPO Record Search Service](#), local research methods, use of archival data or county histories). You should also provide a background statement that summarizes the local history of the area being studied.

URS conducted a literature review at the OHPO to locate any previously recorded cultural resources within or near the APE. An arbitrary one-mile buffer was used to identify any cultural resource investigations that had previously taken place, and to provide information on the expected types and location parameters of sites in the vicinity. The archival study included a review of the Ohio Archaeological Inventory (OAI), Ohio Historic Inventory (OHI), and National Register of Historic Places (NRHP).

As a result of the literature review using a one-mile buffer only two archaeological sites, one historic structure, one NRHP-listed property and one area of previous archaeological survey were identified. In order to develop an accurate predictive model for the types of sites likely to be encountered within the APE, URS expanded the buffer to 2 miles. As a result of the expanded 2 mile buffer, six additional areas of previous archaeological survey, 36 additional archaeological sites, 48 additional historic structures and three additional NRHP-listed properties were identified. None of the previously recorded resources were identified within the proposed three-acre direct APE.

- b. **Field Survey**- Using one of the formats described in item III.e., provide basic information for all buildings/structures/sites 50 years of age or older that you found to be located in your project APE. Include OHI or OAI numbers (if assigned) and property addresses or vicinity information.



Not applicable at this time.

- c. **Eligibility Evaluation**- Describe the current condition, previous disturbances/alterations, and history of any buildings/structures/sites that were evaluated within the project APE. Use the information you found in your Field Survey and Background Research to decide whether there are any buildings/structures/sites in your APE that you found to be eligible for listing or already listed in the National Register of Historic Places (see directions for more info on using the National Register Criteria for Evaluation). If you found that a building/structure/site is located within a listed or eligible historic district, please include the name of that district.

Not applicable at this time.

- d. Based on the conclusions you reached in **Section III.c**, please choose one finding. There are:

- ☒ Historic Properties Present in the APE  
☐ No Historic Properties Present in the APE

- e. To complete Section III, you must provide information about buildings/structures/sites that are described in III.a through III.d using one or more of the following reporting options and attach it to this Summary Form.

*If you are confused as to which reporting option best fits your project, or you are not sure if your project needs a survey, you may choose to leave Section IIIe. Blank and proceed to Section IV and V. OHPO, after reviewing the partial information, will offer comments as to which reporting option is best suited to document historic properties for your project. Please note that this information will still be required and asking OHPO for initial comments may prolong the review process.*

- ☐ **Summary of discussions and/or consultation with OHPO** about this project that demonstrates how the Agency Official and OHPO have agreed that no Field Survey was necessary for this project (typically due to extreme ground disturbance or other special circumstances). Please attach copies of emails/correspondence that document this agreement. You must show how you considered the project's potential to affect both archaeological and historic resources.
- ☐ **A table** that includes the minimum information listed in the [OHPO Section 106 Historic Documentation Table](#), which is generally equivalent to the information found on an inventory form. This information must be printed and mailed with the Project Summary Form. The Section 106 Historic Documentation Table database may also be burned to a CD and mailed with the Project Summary Form. Please label all forms and CDs with the date of your submission and project name, as identified in Section I. a.
- ☐ **Ohio Historic Inventory or Ohio Archaeological Inventory forms**. New inventory forms may be prepared using the [OHI.pdf form](#) with data population capabilities, the [Internet IForm](#), or typed on archival quality inventory forms. When buildings/structures/sites have previously been entered into the state inventory, you may simply list their reference numbers. You must also describe the current condition of each resource and your assessment of their eligibility for the National Register of Historic Places. You may update this information on previously completed inventory forms by providing additional information on Continuation Sheets. You may also opt to provide an assessment of the current condition and eligibility of previously surveyed properties in an attachment to this Project Summary Form. Do **not** prepare new inventory forms for previously surveyed properties.
- ☒ **A historic or archaeological survey report** prepared by a qualified consultant that meets professional standards. The survey report should also meet the Secretary of the Interior's [Guidelines for Identification](#) and OHPO [Archaeological Guidelines](#). You may also include new inventory forms with your survey, or update previous inventory forms.

## **SECTION IV. SUPPORTING DOCUMENTATION**

**All photos must be keyed to a local map, and should be included as an attachment to this application. OHPO reviewers typically do not visit project sites. You must present enough documentation to clearly show existing conditions at your project site and details about buildings/structures/sites.**

- a. Provide photos of the entire project site.
- b. Provide current photos of all buildings/structures/sites that you described in Section III. (Faxed or photocopied photographs are not acceptable. See Directions for more info about photo submissions.) You may also submit photographs taken to/from historic properties from/towards your project site to support your determination of effect in Section V.
- c. Project plans, specifications, site drawings and any other media presentation that conveys detailed information about your project and its potential to affect historic properties.
- d. Copies or summaries of any comments provided by consulting parties or the public.

## **SECTION V. DETERMINATION OF EFFECT**

- a. **For challenging projects, you may provide as much information as possible in Sections I through IV and STOP HERE to ask OHPO to offer preliminary comments or make recommendations about how to proceed with your project consultation. This is recommended if your project involves effects to significant historic properties, if the public has concerns about your project's potential to affect historic properties, or if there may be challenging procedural issues related to your project.**

**X** Request preliminary comments from OHPO about this project.

- b. If you believe that you have enough information to conclude the Section 106 process, you may be ready to make a determination of effect and ask OHPO for concurrence, after considering public comments:

☐ No historic properties will be affected based on [36 CFR § 800.4(d)(1)]. Please explain how you made this determination:

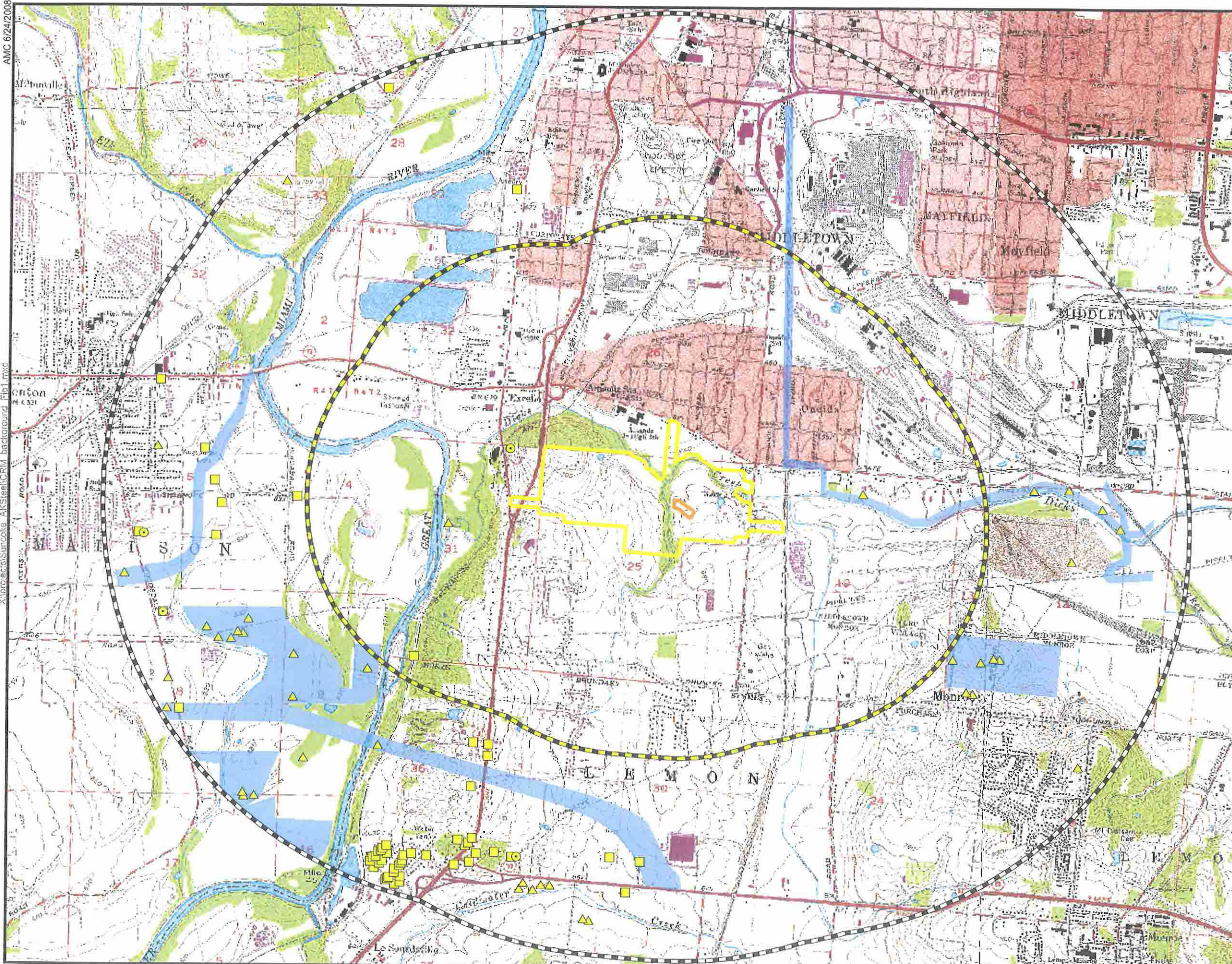
☐ No Adverse Effect [36 CFR § 800.5(b)] on historic properties. Please explain why the criteria of adverse effect, [36 CFR Part 800.5(a)(1)], were found not to be applicable for your project:

☐ Adverse Effect [36 CFR § 800.5(d)(2)] on historic properties. Please explain why the criteria of adverse effect, [36 CFR Part 800.5(a)(1)], were found to be applicable to your project. You may also include an explanation of how these adverse effects might be avoided, reduced or mitigated:

***Please print and mail completed form and supporting documentation to:***

*Ohio Historic Preservation Office  
Attn: Mark J. Epstein, Department Head  
Resource Protection and Review  
567 East Hudson St,  
Columbus, OH 43211-1030*





LEGEND:

- Middletown Coke Company
- Cogeneration Station
- NRHP Listed Property
- ▲ Previously Recorded Archaeology Site
- Previously Recorded Historic Structure
- Previously Surveyed Area
- 2-Mile Site Radius
- 1-Mile Site Radius

0 2,000 4,000  
Scale In Feet

0 500 1,000  
Scale in Meters

BASE MAP SOURCE:  
USGS 7.5-minute topographic quadrangles  
Middletown (1959, photorevised 1981)  
Franklin (1965, photorevised 1992)  
Monroe (1965, photorevised 1992)  
Trenton (1966, photorevised 1987)

**SunCoke Energy** **MIDDLETOWN COKE COMPANY**

FIGURE 1  
OHIO ARCHAEOLOGY INVENTORY,  
OHIO HISTORIC INVENTORY,  
AND NATIONAL REGISTER OF  
HISTORIC PLACES SITES MAP

JOB NO. 14947839

**URS**

REVISED





LEGEND:

- Middletown Coke Company
- Cogeneration Station
- NRHP Listed Property
- Previously Recorded Archaeology Site
- Previously Recorded Historic Structure
- Previously Surveyed Area
- 2-Mile Site Radius
- 1-Mile Site Radius

0 2,000 4,000

Scale In Feet

0 500 1,000

Scale in Meters

BASE MAP SOURCE:  
National Agriculture Imagery  
Program (USDA), 2006

**SunCoke Energy** MIDDLETOWN COKE COMPANY

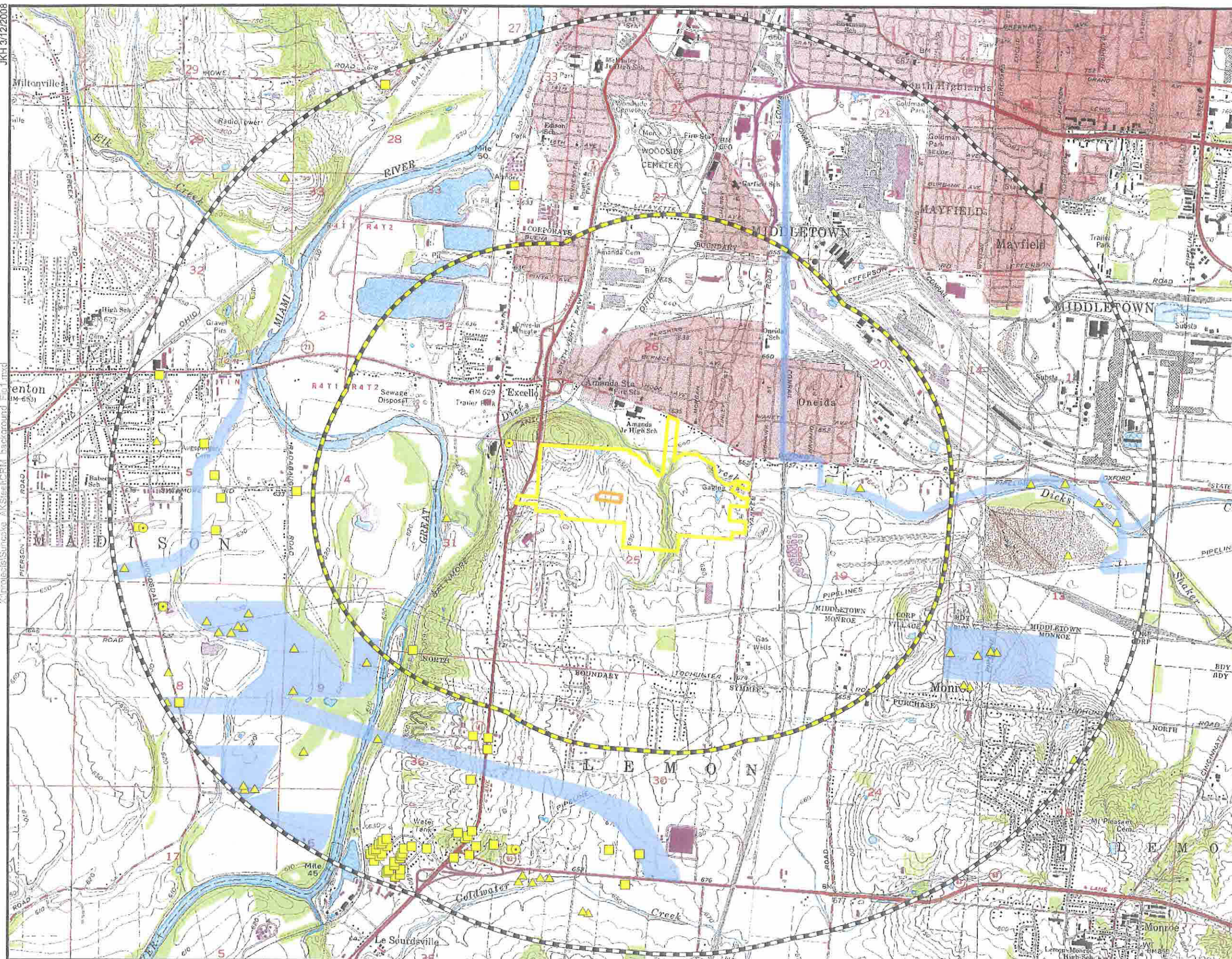
FIGURE 2  
OHIO ARCHAEOLOGY INVENTORY,  
OHIO HISTORIC INVENTORY,  
AND NATIONAL REGISTER OF  
HISTORIC PLACES SITES MAP

JOB NO. 14947839

**URS**

REVISED





## LEGEND:

- Project Boundary
- Cogeneration Station
- NRHP Listed Property
- ▲ Previously Recorded Archaeology Site
- Previously Recorded Historic Structure
- Previously Surveyed Area
- 2-Mile Site Radius
- 1-Mile Site Radius

0 2,000 4,000

Scale In Feet

0 500 1,000

Scale in Meters

BASE MAP SOURCE:  
 USGS 7.5-minute topographic quadrangles  
 Middletown (1959, photorevised 1981)  
 Franklin (1965, photorevised 1992)  
 Monroe (1965, photorevised 1992)  
 Trenton (1966, photorevised 1987)

**SunCoke Energy** **MIDDLETOWN COKE COMPANY**

FIGURE 1  
 OHIO ARCHAEOLOGY INVENTORY,  
 OHIO HISTORIC INVENTORY,  
 AND NATIONAL REGISTER OF  
 HISTORIC PLACES SITES MAP

JOB NO. 14947839

URS





LEGEND:

- Project Boundary
- Cogeneration Station
- NRHP Listed Property
- ▲ Previously Recorded Archaeology Site
- Previously Recorded Historic Structure
- Previously Surveyed Area
- 2-Mile Site Radius
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0 2,000 4,000

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National Agriculture Imagery  
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**SunCoke Energy** MIDDLETOWN COKE  
COMPANY

FIGURE 2  
OHIO ARCHAEOLOGY INVENTORY,  
OHIO HISTORIC INVENTORY,  
AND NATIONAL REGISTER OF  
HISTORIC PLACES SITES MAP

JOB NO. 14947839

**URS**



**This foregoing document was electronically filed with the Public Utilities**

**Commission of Ohio Docketing Information System on**

**10/15/2012 5:06:44 PM**

**in**

**Case No(s). 12-2719-EL-BLN**

Summary: Application Letter of Notification, Appendix 1, Part 2 of 2 electronically filed by Mrs. Gretchen L. Petrucci on behalf of Middletown Cogeneration Company LLC