



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

July 1, 2013

Mr. Ellsworth Brown  
Society Director  
State Historic Preservation Office  
Division of Historic Preservation and Public History  
Wisconsin Historical Society  
816 State St. Room 305  
Madison, WI 53706

SUBJECT: SHINE MEDICAL TECHNOLOGIES RADIOISOTOPE PRODUCTION FACILITY  
APPLICATION REVIEW

Dear Mr. Brown:

The U.S. Nuclear Regulatory Commission (NRC) is conducting an environmental review for a construction permit submitted by SHINE Medical Technologies, Inc. (SHINE), for a proposed radioisotope production facility. The application was submitted by SHINE in a letter dated March 26, 2013, pursuant to Title 10 of the *Code of Federal Regulations* Part 50 (10 CFR Part 50). This facility, if licensed, would produce radiosotopes for use in diagnostic medical isotope procedures. The proposed location of this facility is approximately 4 miles south of Janesville, Rock County, Wisconsin.

The NRC has established that, as part of the staff's review an environmental impact statement (EIS) will be prepared under 10 CFR Part 51, the NRC's regulation that implements the National Environment Policy Act of 1969, as amended (NEPA). In accordance with 36 CFR 800.8(c), the NRC will comply with the obligations required under Section 106 of the National Historic Preservation Act of 1966, as amended (NHPA), through its NEPA process. The final EIS will include analyses of pertinent environmental issues, and in accordance with 36 CFR 800.8(c), analyses of potential impact to historic properties and other cultural resources. Alternatives to the proposed action, including alternative sites, will also be considered.

In the context of NHPA, NRC staff has determined that the area of potential effects (APE) for this undertaking is the area at the proposed site and its immediate environs that may be impacted by construction and post-construction land-disturbing operations. The APE may extend beyond the immediate environs in those instances where construction and post-construction land-disturbing operations may potentially have an effect on known or proposed historic sites. This determination is made irrespective of ownership or control of the lands of interest.

The proposed site would cover approximately 91 ac (37 ha), which would include open space, a production facility building, a support facility building, a waste staging and shipping building, a diesel generator building, an administration building, and a security station. The majority of the proposed site consists of cultivated agricultural land and the remaining portion of the site includes some developed areas and open space. Other agricultural land or open space borders the proposed site to the south, east, and north and U.S. Highway 51 (US 51) borders the

western boundary of the proposed site. The Southern Wisconsin Regional Airport is located immediately to the west of US 51.

In addition to the proposed site, SHINE evaluated the environmental impacts for two reasonable alternative sites: Chippewa Falls and Stevens Point. The Chippewa Falls site is located in the City of Chippewa Falls in Chippewa County, Wisconsin. The site would be located within the Wisconsin Lake Business Park and most of the site is agricultural land. The Stevens Point Site is located in Portage County, Wisconsin, adjacent to the City of Stevens Point. The site is a combination of wooded and agricultural land.

Please submit any comments you may have on the scope of the environmental review by August 30, 2013. Written comments may be submitted by mail to:

Chief, Rules, Announcements and Directives Branch  
Division of Administrative Services  
Office of Administration  
Mailstop TWB-05-B01M  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Electronic comments may be submitted to the NRC by accessing [www.regulations.gov](http://www.regulations.gov).

The SHINE construction permit application is available through the Agencywide Documents Access Management System (ADAMS) Public Electronic Reading Room, which is accessible at <http://www.nrc.gov/reading-rm/adams.html>. From this page, the public can gain entry into ADAMS, which provides text and image files of NRC's public documents. The ADAMS Accession Number for the SHINE construction permit application (Part 1) is ML130880226. The environmental report is Chapter 19 of the SHINE construction permit application.

The NRC expects to publish the draft EIS in spring 2014. A copy of the document will be sent to you for your review and comment. After consideration of public comments received, the NRC staff will prepare a final EIS, which is scheduled to be issued in winter 2015.

E. Brown

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If you have any questions concerning the NRC staff's review of this construction permit application, please contact Emily Larson, Social Scientist, at 301-415-1151 or by e-mail at [Emily.Larson@nrc.gov](mailto:Emily.Larson@nrc.gov).

Sincerely,



Melanie C. Wong, Chief  
Environmental Review and  
Guidance Update Branch  
Division of License Renewal  
Office of Nuclear Reactor Regulation

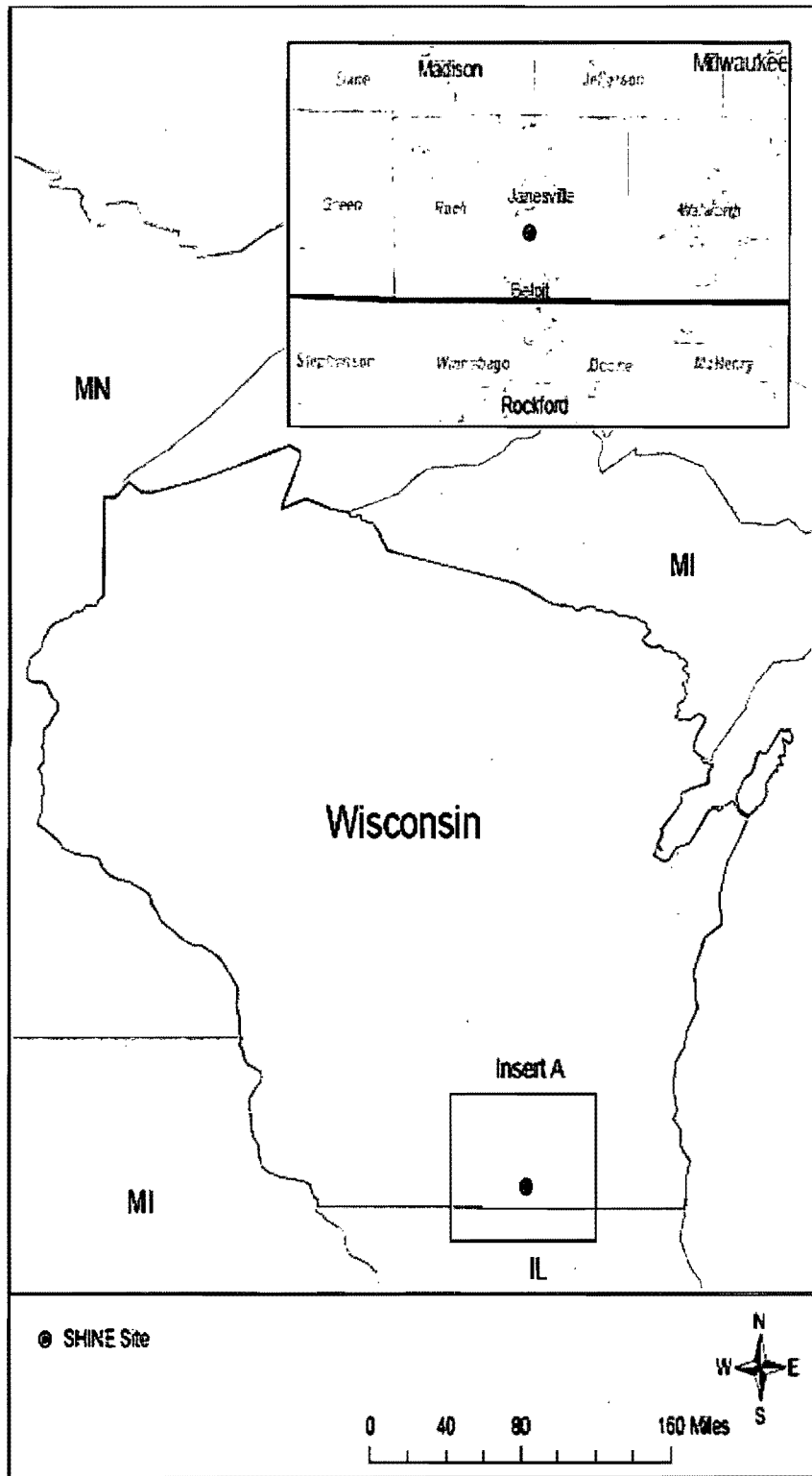
Enclosures:

1. Map of proposed SHINE facility location
2. Area Map, 6-mile radius
3. Map of proposed SHINE facility boundaries
4. Map of Alternative Site, Chippewa Falls
5. Map of Alternative Site, Stevens Point

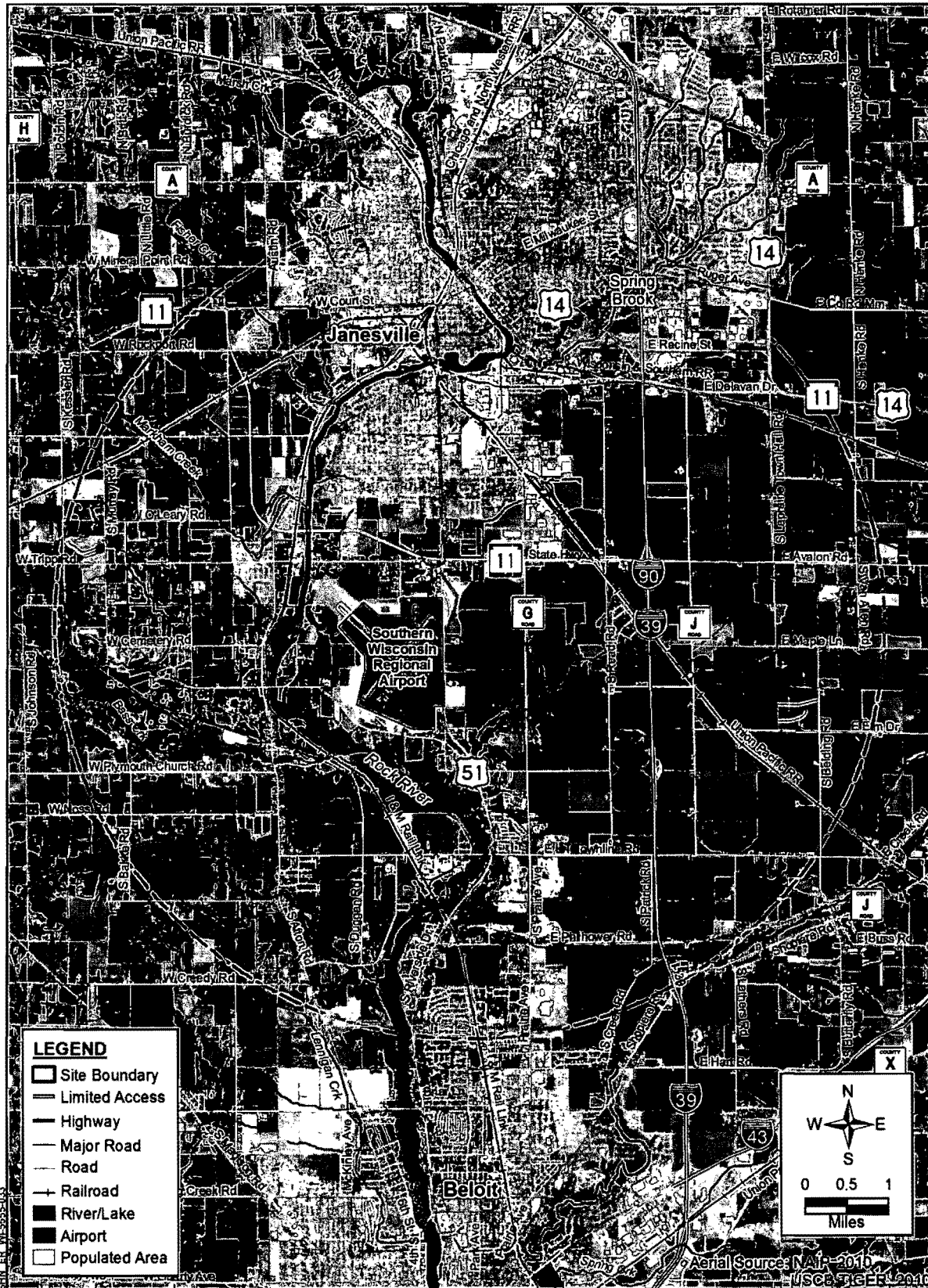
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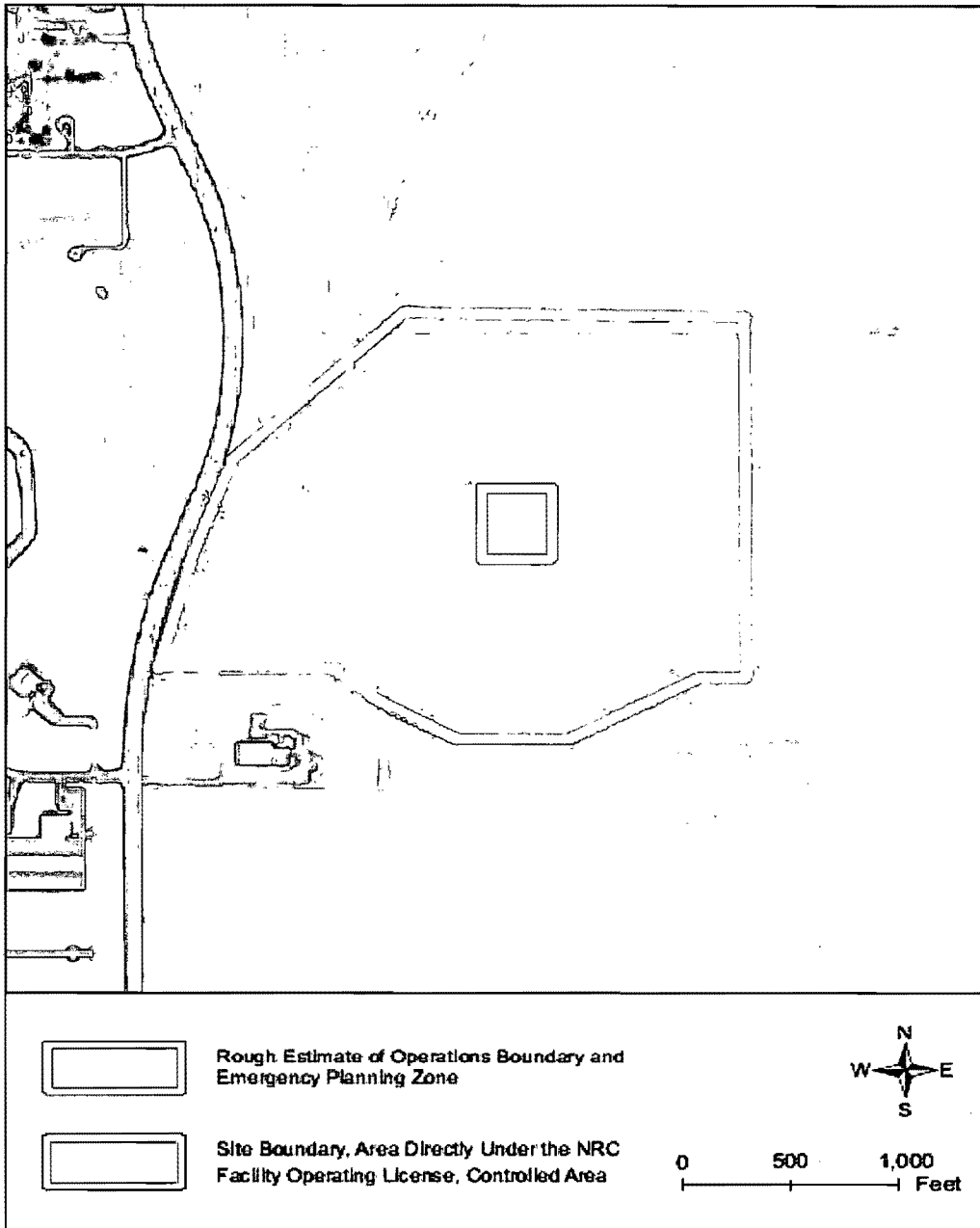
# Proposed SHINE Facility Location



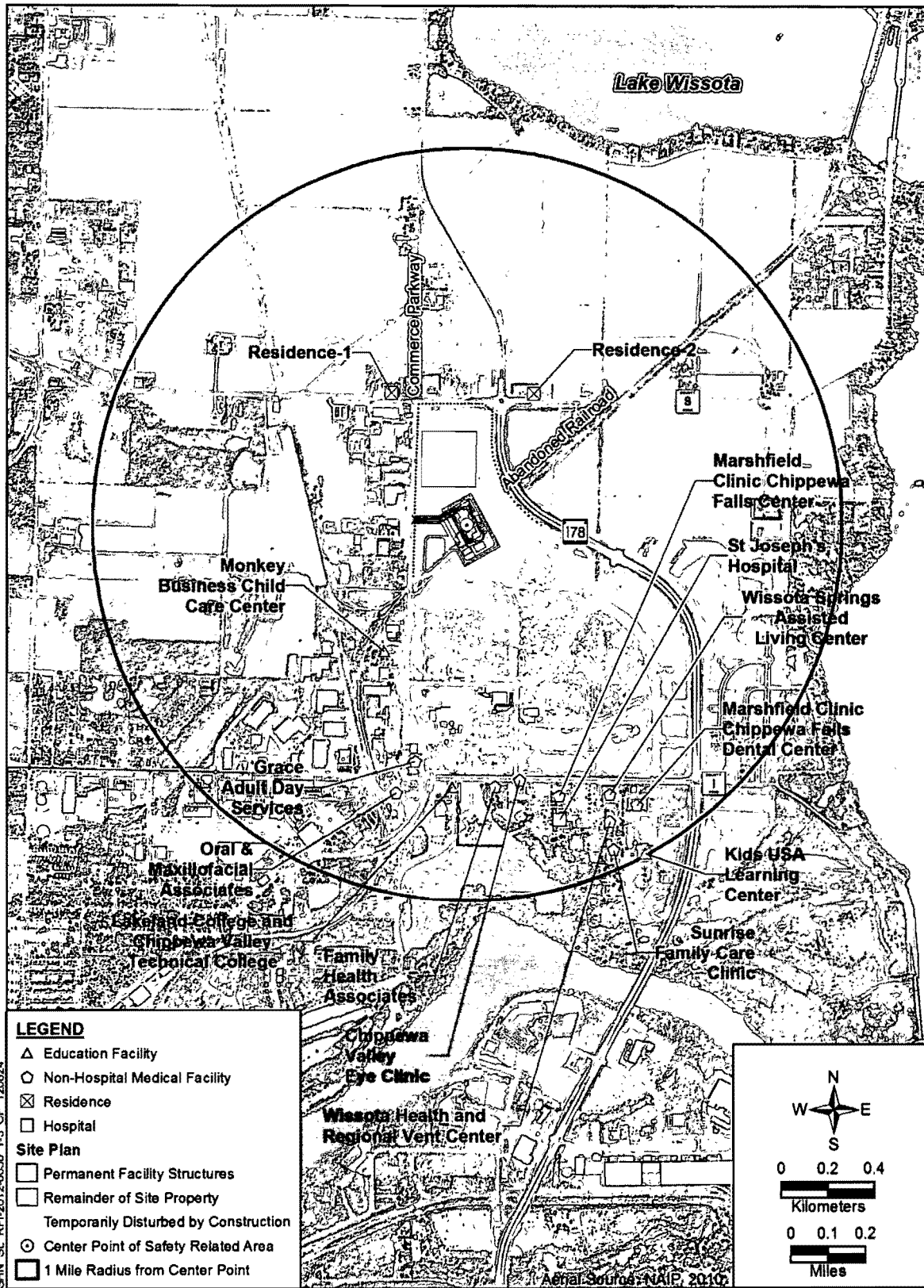
# Area Map for Proposed SHINE Site, 6-mile Radius



# Proposed SHINE Facility Boundaries

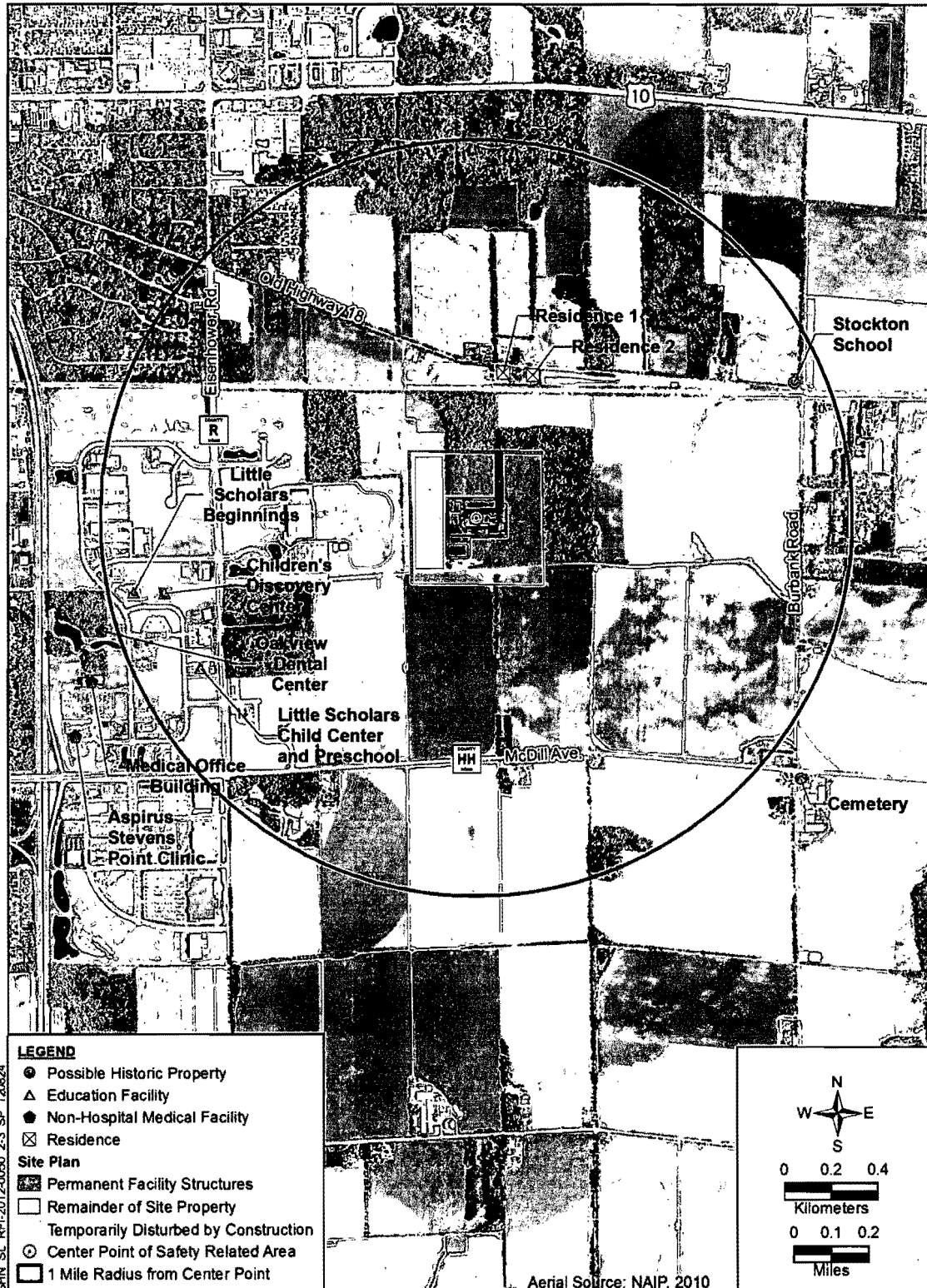


# Alternative Site, Chippewa Falls, 1- Mile Radius



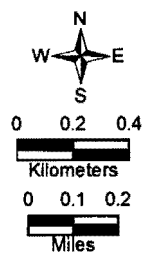
SPR. ST. 141-2017-0050 1-3 of 148924

# Alternative Site, Stevens Point, 1- Mile Radius



SPR 3L RPT-2017-AUGRU 2-3 SP 120824

- LEGEND**
- Possible Historic Property
  - ▲ Education Facility
  - Non-Hospital Medical Facility
  - ⊠ Residence
  - Site Plan**
  - Permanent Facility Structures
  - Remainder of Site Property
  - ▨ Temporarily Disturbed by Construction
  - Center Point of Safety Related Area
  - 1 Mile Radius from Center Point



Aerial Source: NAIP, 2010



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Sincerely,

*/RA/*

Melanie C. Wong, Chief  
Environmental Review and  
Guidance Update Branch  
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Docket No.: 50-608

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ADAMS Accession No: ML13135A651 (PKG), ML13135A635 (LTR),  
ML13135A643 (Encls.) \*concurring via email

OFFICE	LA:DLR:RPB2 *	PM:DLR:RERB	RERB Technical Staff Member	BC:DPR:PRLB	BC:DLR:RERB
NAME	IKing	MMoser	ELarson	AAdams	MWong
DATE	5/24/13	6/14/13	6/17/13	6/18/13	7/1/13

OFFICIAL RECORD COPY

Letter to E. Brown from M. Wong July 1, 2013

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