

FINAL ENVIRONMENTAL ASSESSMENT

FINANCIAL ASSISTANCE TO INDUSTRIAL DEVELOPMENT BOARD OF MCMINNVILLE-WARREN COUNTY MCMINNVILLE, WARREN COUNTY, TENNESSEE

TENNESSEE VALLEY AUTHORITY

MARCH 2006

The Proposed Decision and Need

The Tennessee Valley Authority (TVA) proposes to provide financial assistance to the Industrial Development Board (IDB) of McMinnville-Warren County for the expansion of an existing facility in their industrial park. The loan would be less than twenty percent of the cost of the expansion.

Morrison Tool and Fab, Inc. is presently operating in a 44,000 square foot building located at 211 Progress Boulevard, Morrison, Warren County, Tennessee 37357. The facility was built for the IDB as a speculative building in 2000/2001. To meet the increasing demand for its products, Morrison Tool and Fab proposes to expand its operations. The IDB proposes to accommodate this expansion by constructing a 102,000 square foot addition to Morrison Tool and Fab's existing building. The attached maps show the location of the facility.

Morrison Tool and Fab designs and manufactures steel racks for parts shipment and storage for the automotive industry. The company purchases steel tubing, cuts, and welds the tubing to make the racks, and spray paints the finished product. Currently, the plant employs 140 people, and the expansion would allow a planned additional 200 jobs within five years.

Alternatives and Comparison

There are two feasible alternatives, i.e., the Action Alternative and the No Action Alternative. Under the Action Alternative, TVA would provide the assistance as described above. Under the No Action Alternative, TVA would not provide the assistance. In this event, the IDB could, and probably would, seek alternative funding. If the IDB were successful in securing funding, the expansion could be constructed and the additional manufacturing would occur at the Morrison location. Thus, overall environmental consequences under either alternative are expected to be similar. In either case, potential environmental effects would be minor and insignificant. It is also possible that if TVA chooses the No Action Alternative, the IDB could decide not to construct the expansion. While this would result in no effects on the environment from the expansion and added manufacturing, the resulting beneficial social and economic impacts from the increased production would not occur.

Affected Environment and Evaluation of Impacts

The site of the expansion is already prepared, so no natural or cultural features are present to be affected by construction. Erosion and sedimentation from construction would be minimal and prevented through routine Best Management Practices (BMPs). The site does not lie in a 100 year floodplain (see the attached FIRM). Warren County is currently designated as in attainment with the federal standards for all criteria air pollutants. The existing plant uses a self contained paint booth with a downdraft system for surface painting and has a minor source permit (# 056066P) with the state of Tennessee for the paint exhaust emitted. The expanded operation would use a similar system, and the state is preparing to issue a new permit. The existing plant generates no process wastewater, nor would the expansion. Sanitary wastewater is and would be handled by the West Warren Utility District. The painting process currently generates and would continue to generate minor amounts of non-hazardous operational waste, such as paint filters and small spent paint containers. The paint filters are soaked in water for 48 hours before going out in the trash, while the paint containers are rinsed and recycled. Minor office waste is currently produced, while any scraps and rejects from plant production are sold for recycling, and the situation would be the same for the expanded operation. The facility now generates fewer than 4 tractor-trailer trips for incoming raw materials and outgoing products per day, and the expansion would add 6-8 additional trips per day. The industrial park is on a major highway with adequate capacity to handle this small amount of traffic as well as employee commuting.

Categorical Exclusion Checklist (CEC) 10611 documents TVA staff review of the expected impacts of the action. As noted in the CEC, all potential media impacts would be insignificant at most, and none require further evaluation.

Other federal funds in the form of a Community Development Block Grant were previously provided for the project. The Upper Cumberland Development District prepared an EA for the county, which issued a FONSI on January 14, 2005. No impacts required mitigation.

Cumulative Impacts

Due to the nature of the proposed action and lack of potential significant impact on the environment, TVA expects that the incremental effect of this project, when added to other past, present, and reasonably foreseeable future actions, would have insignificant cumulative impacts.

Mitigation Measures

There would be only minor and insignificant environmental effects; thus, no mitigation measures are needed.

Preferred Alternative

TVA's preferred alternative is the Action Alternative.

TVA Preparers

This EA was prepared by Peter K. Scheffler, Senior NEPA Specialist, and Bill L. Zotto, Project Control Specialist.

Attachments

CEC 10611, location maps, aerial photograph, site photographs, and Flood Insurance Rate Map.

Categorical Exclusion Checklist for Proposed TVA Actions

Categorical Exclusion Number Claimed	Organization ID Number CATS ID # 9728	Tracking Number <i>(NEPA Administration Use Only)</i> 10611
Form Preparer Bill L. Zotto	Project Initiator/Manager Dennis S Painter	Business Unit Economic Development
Project Title Morrison Tool and Fab, Inc.		Hydrologic Unit Code
Description of Proposed Action <i>(Include Anticipated Dates of Implementation)</i> <input checked="" type="checkbox"/> Continued on Page 3 <i>(if more than one line)</i> For Proposed Action See Attachments and References		
Initiating TVA Facility or Office	TVA Business Units Involved in Project	
Location <i>(City, County, State)</i> For Project Location see Attachments and References		

Parts 1 through 4 verify that there are no extraordinary circumstances associated with this action:

Part 1. Project Characteristics

Is there evidence that the proposed action---	No	Yes	Information Source
1. Is major in scope?	X		Zotto B. L. 08/16/2005
2. Is part of a larger project proposal involving other TVA actions or other federal agencies?	X		Zotto B. L. 08/16/2005
*3. Involves non-routine mitigation to avoid adverse impacts?	X		Zotto B. L. 08/16/2005
4. Is opposed by another federal, state, or local government agency?	X		Zotto B. L. 08/16/2005
*5. Has environmental effects which are controversial?	X		Zotto B. L. 08/16/2005
*6. Is one of many actions that will affect the same resources?	X		Zotto B. L. 08/16/2005
7. Involves more than minor amount of land?	X		Zotto B. L. 08/16/2005

* If "yes" is marked for any of the above boxes, consult with NEPA Administration on the suitability of this project for a categorical exclusion.

Part 2. Natural and Cultural Features Affected

Would the proposed action---	No	Yes	Per- mit	Commit- ment	Information Source for Insignificance
1. Potentially affect endangered, threatened, or special status species?	X		No	No	Zotto B. L. 08/16/2005
2. Potentially affect historic structures, historic sites, Native American religious or cultural properties, or archaeological sites?	X		No	No	Zotto B. L. 08/16/2005
3. Potentially take prime or unique farmland out of production?	X		No	No	Zotto B. L. 08/16/2005
4. Potentially affect Wild and Scenic Rivers or their tributaries?	X		No	No	Zotto B. L. 08/16/2005
5. Potentially affect a stream on the Nationwide Rivers Inventory?	X		No	No	Zotto B. L. 08/16/2005
6. Potentially affect wetlands, water flow, or stream channels?	X		No	No	Zotto B. L. 08/16/2005
7. Potentially affect the 100-year floodplain?	X		No	No	For comments see attachments
8. Potentially affect ecologically critical areas, federal, state, or local park lands, national or state forests, wilderness areas, scenic areas, wildlife management areas, recreational areas, greenways, or trails?	X		No	No	Zotto B. L. 08/16/2005
9. Contribute to the spread of exotic or invasive species?	X		No	No	Zotto B. L. 08/16/2005
10. Potentially affect migratory bird populations?	X		No	No	Zotto B. L. 08/16/2005
11. Involve water withdrawal of a magnitude that may affect aquatic life or involve interbasin transfer of water?	X		No	No	Zotto B. L. 08/16/2005
12. Potentially affect surface water?	X		No	No	Zotto B. L. 08/16/2005
13. Potentially affect drinking water supply?	X		No	No	Zotto B. L. 08/16/2005
14. Potentially affect groundwater?	X		No	No	Zotto B. L. 08/16/2005
15. Potentially affect unique or important terrestrial habitat?	X		No	No	Zotto B. L. 08/16/2005
16. Potentially affect unique or important aquatic habitat?	X		No	No	Zotto B. L. 08/16/2005

Part 3. Potential Pollutant Generation

Would the proposed action potentially (including accidental or unplanned)---	No	Yes	Per- mit	Commit- ment	Information Source for Insignificance
1. Release air pollutants?		X	Yes	No	For comments see attachments
2. Generate water pollutants?		X	No	No	For comments see attachments
3. Generate wastewater streams?		X	No	No	For comments see attachments
4. Cause soil erosion?		X	No	No	For comments see attachments
5. Discharge dredged or fill materials?	X		No	No	Zotto B. L. 08/16/2005
6. Generate large amounts of solid waste or waste not ordinarily generated?	X		No	No	Zotto B. L. 08/16/2005
7. Generate or release hazardous waste (RCRA)?	X		No	No	Zotto B. L. 08/16/2005
8. Generate or release universal or special waste, or used oil?	X		No	No	Zotto B. L. 08/16/2005
9. Generate or release toxic substances (CERCLA, TSCA)?	X		No	No	Zotto B. L. 08/16/2005
10. Involve materials such as PCBs, solvents, asbestos, sandblasting material, mercury, lead, or paints?		X	No	No	For comments see attachments
11. Involve disturbance of pre-existing contamination?	X		No	No	Zotto B. L. 08/16/2005
12. Generate noise levels with off-site impacts?	X		No	No	Zotto B. L. 08/16/2005
13. Generate odor with off-site impacts?	X		No	No	Zotto B. L. 08/16/2005
14. Produce light which causes disturbance?	X		No	No	Zotto B. L. 08/16/2005
15. Release of radioactive materials?	X		No	No	Zotto B. L. 08/16/2005
16. Involve underground or above-ground storage tanks or bulk storage?	X		No	No	Zotto B. L. 08/16/2005
17. Involve materials that require special handling?	X		No	No	Zotto B. L. 08/16/2005

Part 4. Social and Economic Effects

Would the proposed action---	No	Yes	Commit- ment	Information Source for Insignificance
1. Potentially cause public health effects?	X		No	Zotto B. L. 08/16/2005
2. Increase the potential for accidents affecting the public?	X		No	Zotto B. L. 08/16/2005
3. Cause the displacement or relocation of businesses, residences, cemeteries, or farms?	X		No	Zotto B. L. 08/16/2005
4. Contrast with existing land use, or potentially affect resources described as unique or significant in a federal, state, or local plan?	X		No	Zotto B. L. 08/16/2005
5. Disproportionately affect minority or low-income populations?	X		No	Zotto B. L. 08/16/2005
6. Involve genetically engineered organisms or materials?	X		No	Zotto B. L. 08/16/2005
7. Produce visual contrast or visual discord?	X		No	Zotto B. L. 08/16/2005
8. Potentially interfere with recreational or educational uses?	X		No	Zotto B. L. 08/16/2005
9. Potentially interfere with river or other navigation?	X		No	Zotto B. L. 08/16/2005
10. Potentially generate highway or railroad traffic problems?	X		No	Zotto B. L. 08/16/2005

Part 5. Other Environmental Compliance/Reporting Issues

Would the proposed action---	No	Yes	Commit- ment	Information Source for Insignificance
1. Release or otherwise use substances on the Toxic Release Inventory list?	X		No	Zotto B. L. 08/16/2005
2. Involve a structure taller than 200 feet above ground level?	X		No	Zotto B. L. 08/16/2005
3. Involve site-specific chemical traffic control?	X		No	Zotto B. L. 08/16/2005
4. Require a site-specific emergency notification process?	X		No	Zotto B. L. 08/16/2005
5. Cause a modification to equipment with an environmental permit?	X		No	Zotto B. L. 08/16/2005
6. Potentially impact operation of the river system or require special water elevations or flow conditions??	X		No	Zotto B. L. 08/16/2005

Parts 1 through 4: If "yes" is checked, describe in the discussion section following this form why the effect is insignificant. Attach any conditions or commitments which will ensure insignificant impacts. Use of non-routine commitments to avoid significance is an indication that consultation with NEPA Administration is needed.

An EA or EIS will be prepared.

Based upon my review of environmental impacts, the discussions attached, and/or consultations with NEPA Administration, I have determined that the above action does not have a significant impact on the quality of the human environment and that no extraordinary circumstances exist. Therefore, this proposal qualifies for a categorical exclusion under Section 5.2. _____ of TVA NEPA Procedures.

Project Initiator/Manager Dennis S Painter		Date 10/17/2005
TVA Organization ED	E-mail dspainte@tva.gov	Telephone

Site Environmental Compliance Reviewer

Final Review/Closure

Signature

Bill L. Zotto

Signature

Other Review Signatures (as required by your organization)

Bill L. Zotto

10/14/2005

Signature

Signature

Signature

Signature

Signature

Signature

Attachments/References

Description of Proposed Action

The Tennessee Valley Authority (TVA) proposes to provide financial assistance to the Industrial Development Board of McMinnville-Warren County for the expansion of an existing facility in their industrial park. The Industrial Development Board (IDB) would like to add 102,000 square feet to the existing building occupied by Morrison Tool and Fab, Inc. in order to help them expand their operations. The TVA involvement would be less than 20% of the cost of the expansion. This project involves financial assistance for the construction of an addition to an existing facility. Accordingly, an Abbreviated Environmental Assessment and FONSI will be prepared by TVA.

CEC General Comment Listing

1. Location map.

By: Bill L. Zotto 08/16/2005

Files: Location map.pdf 08/16/2005 241,197 Bytes

CEC General Comment Listing

2. Aerial photo.
By: Bill L. Zotto 08/16/2005
Files: Aerial photo.pdf 08/16/2005 527,870 Bytes
3. Topo map.
By: Bill L. Zotto 08/16/2005
Files: Topo map.pdf 08/16/2005 256,972 Bytes
4. Site photos.
By: Bill L. Zotto 08/16/2005
Files: Site photo 1.pdf 08/16/2005 218,816 Bytes

CEC Comment Listing

Part 2 Comments

7. The site does not lie in the 100-year floodplain (see the attached FIRM).
By: Bill L. Zotto 08/16/2005
Files: Flood map.pdf 08/16/2005 128,976 Bytes

Part 3 Comments

1. The plant uses a self contained paint booth with a downdraft system for surface painting and has a permit (# 056066P) with the state of Tennessee for the paint exhaust emitted.
By: Bill L. Zotto 10/17/2005
2. Minor amounts of non-hazardous operational wastes would be generated from the painting process, such as paint filters and small spent paint containers. The paint filters are soaked in water for 48 hours before going out in the trash, while the paint containers are rinsed and recycled. Sanitary wastewater is handled by the West Warren Utility District.
By: Bill L. Zotto 10/17/2005
3. Sanitary wastewater is handled by the West Warren Utility District.
By: Bill L. Zotto 10/17/2005
4. Routine Best Management Practices (BMP's) shall be used to prevent soil erosion.
By: Bill L. Zotto 08/16/2005
10. Paint, see comments 1 and 2, Part 3.
By: Bill L. Zotto 10/17/2005

CEC Permit Listing

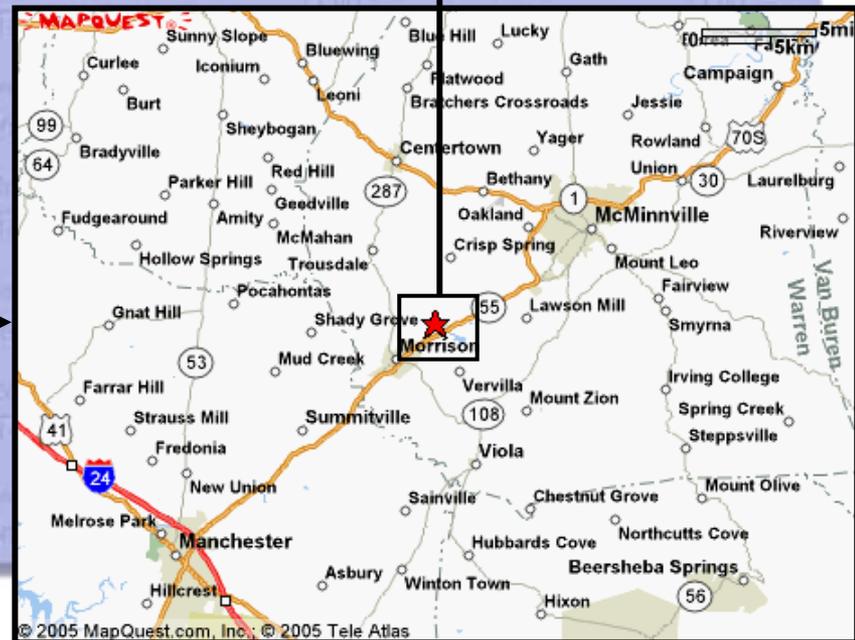
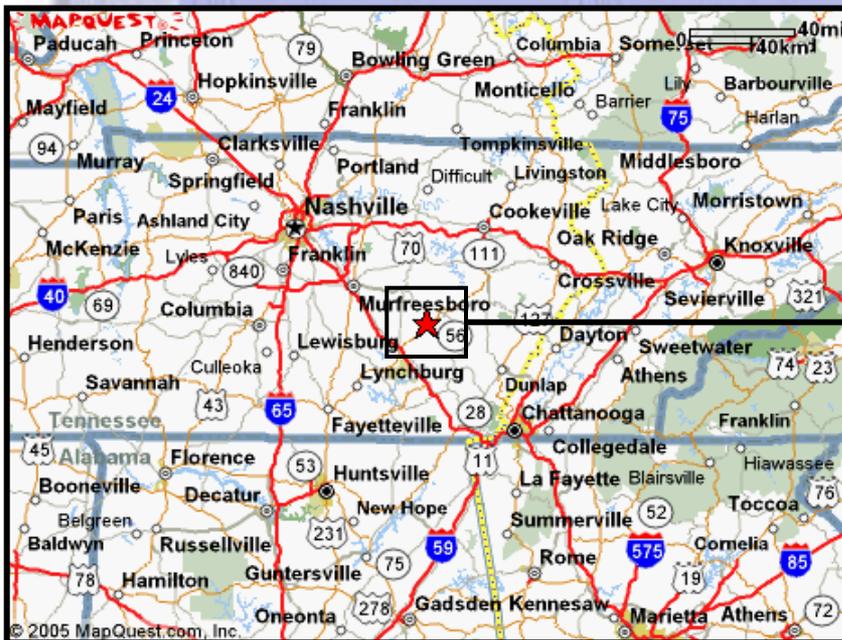
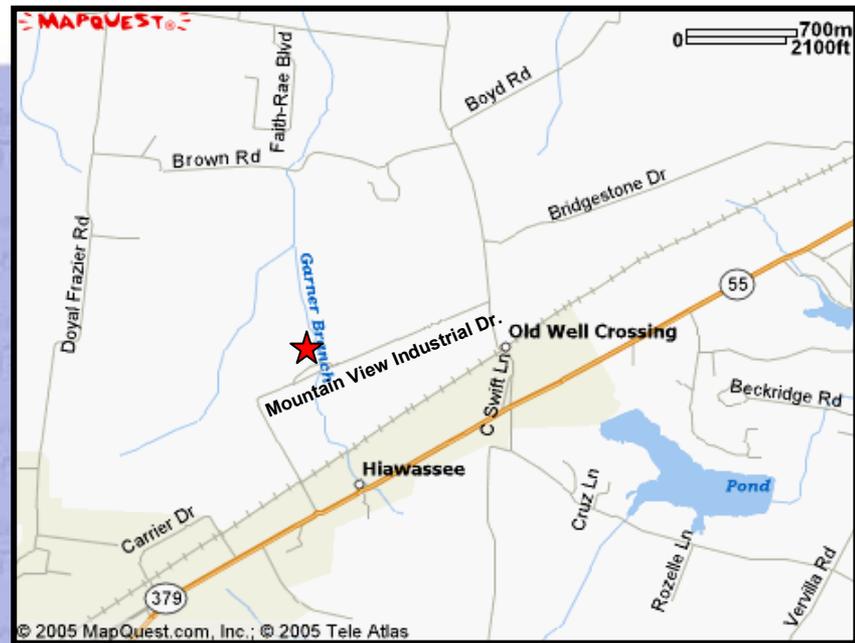
Part 3 Permits

1. Air Emissions Minor Source/Construction Permits
By: Bill L. Zotto 10/17/2005



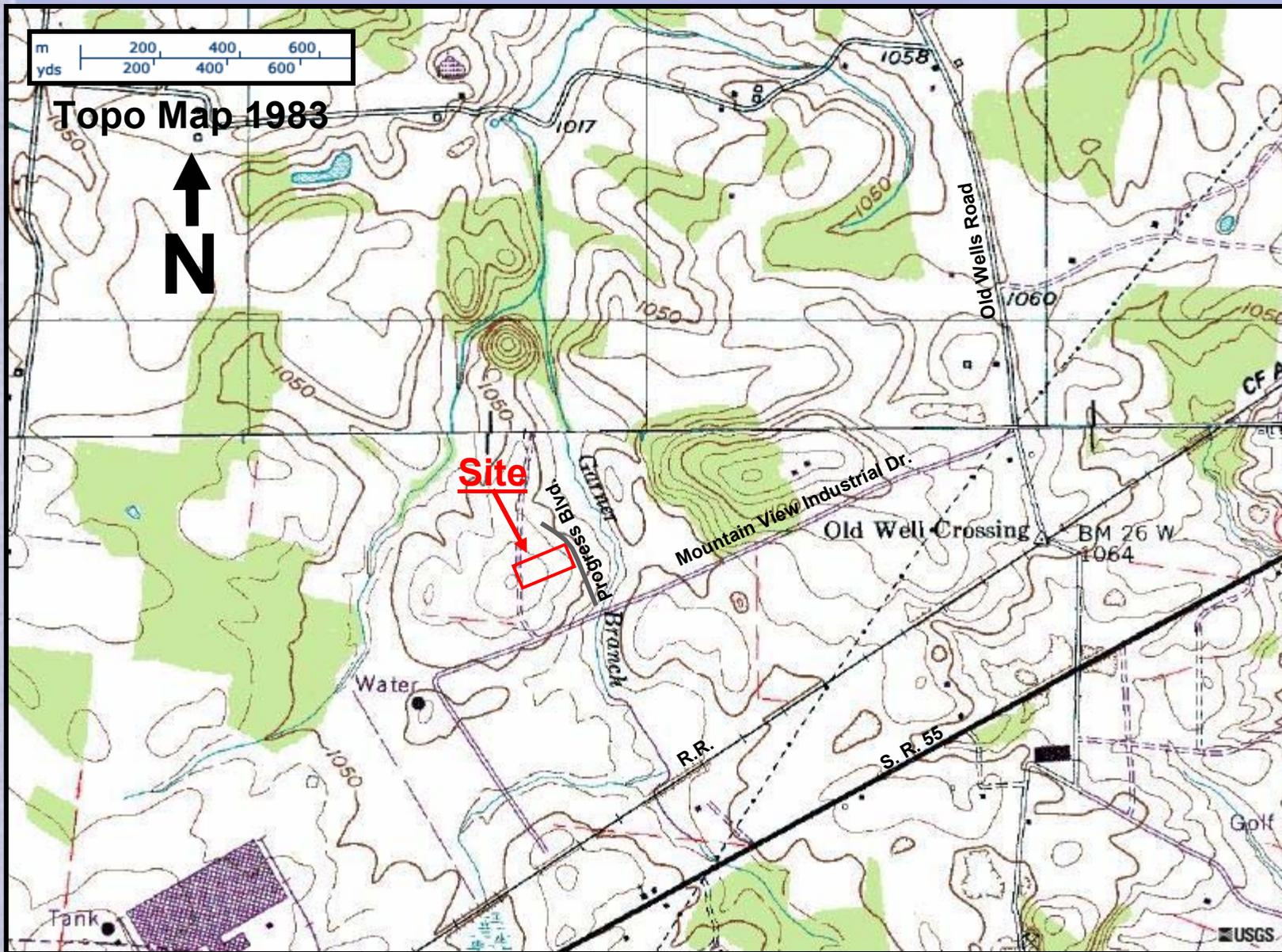
Morrison Tool and Fab, Inc.

211 Progress Boulevard
Morrison, Warren County
Tennessee 37357



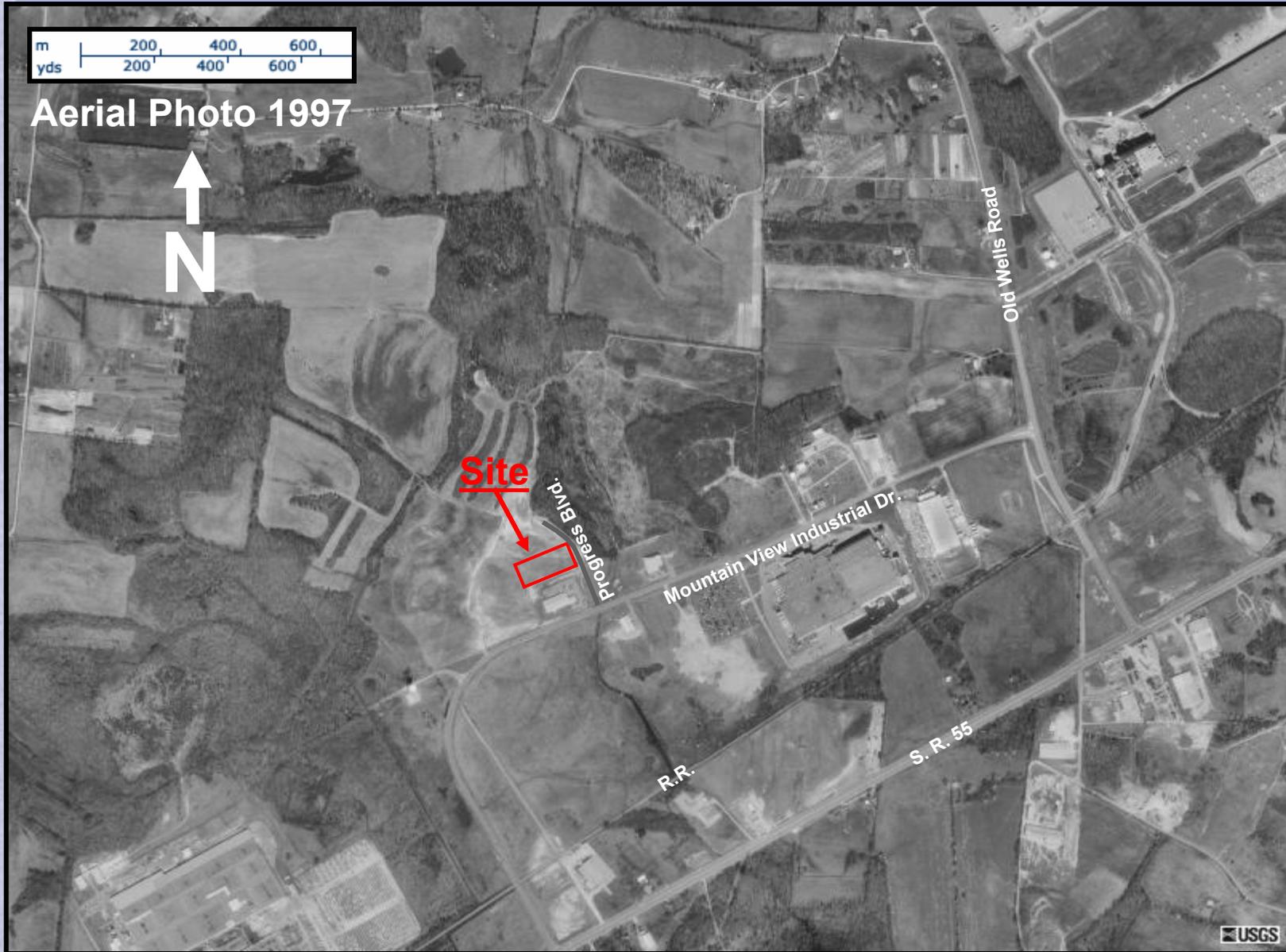


Topo Map 1983





Aerial Photo 1997

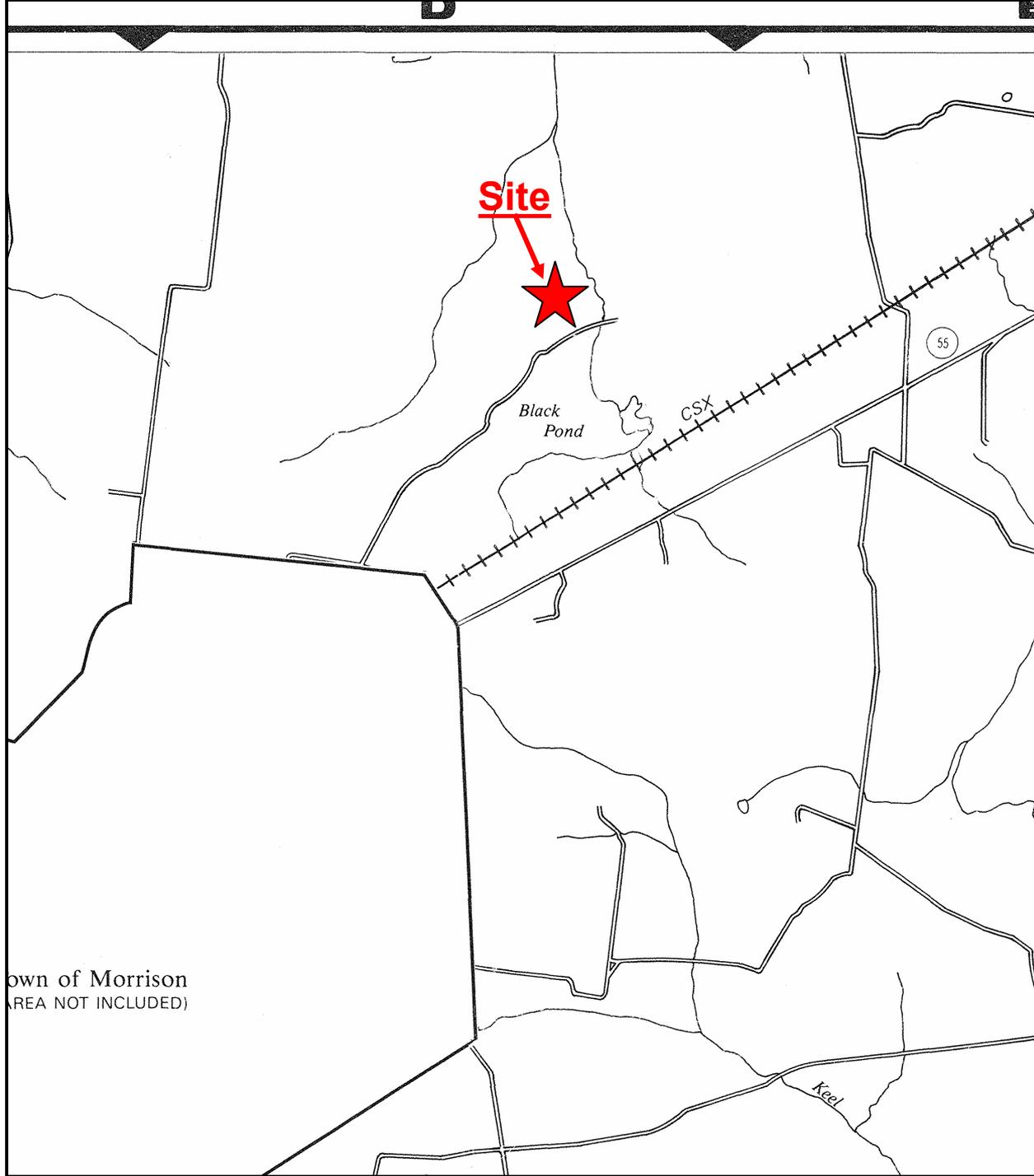




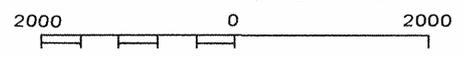
**Morrison Tool and Fab, Inc. , Morrison, TN
Looking South Southeast to South Southwest**



**Graded Pad Behind Morrison Tool and Fab For Their
100,000 Sq. Ft. Addition. Looking West to Northwest**



APPROXIMATE SCALE IN FEET



NATIONAL FLOOD INSURANCE PROGRAM

**FIRM
FLOOD INSURANCE RATE MAP**

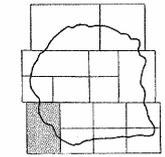
WARREN COUNTY,
TENNESSEE AND
INCORPORATED AREAS

PANEL 125 OF 145

CONTAINS:

<u>COMMUNITY</u>	<u>NUMBER</u>	<u>PANEL</u>	<u>SUFFIX</u>
UNINCORPORATED AREAS	470363	0125	C

PANEL LOCATION



**MAP NUMBER:
47177C0125 C**

**EFFECTIVE DATE:
MARCH 16, 1988**



Federal Emergency Management Agency

town of Morrison
(AREA NOT INCLUDED)

This is an official copy of a portion of the above referenced flood map. It was extracted using F-MIT On-Line. This map does not reflect changes or amendments which may have been made subsequent to the date on the title block. For the latest product information about National Flood Insurance Program flood maps check the FEMA Flood Map Store at www.msc.fema.gov