IL-189-04

ECOLOGY AND ENVIRONMENT, INC.

FIELD INVESTIGATION TEAM

SITE SAFETY PLAN

EPA Region 5 Records Ctr.
357017

A. GENERAL INFORMATION

SITE: US ARMY ST. LOUIS AREA SUPPORT CENTER TDD NO: R5-8303-01A

WSTS NO: ILD0213820376 #189

LOCATION: GRANITE CITY, IL.

PLAN PREPARED BY: TOM PACHOWICZ / MARK LUNSFORD DATE: 10-4-83

APPROVED BY: DATE: 10-4-83

OBJECTIVE (including description of work to be performed):

TO DO AN OFF-SITE INSPECTION AND CONDUCT INTERVIEWS TO COMPLETE THE SITE INSPECTION FORM. SPECIFIC QUESTIONS ON RADIOACTIVE MATERIALS SHOULD BE MADE.

NOTE: AT THIS TIME THERE IS NOT ENOUGH AVAILABLE INFORMATION ON TYPES AND AMOUNTS OF HAZARDOUS MATERIALS ON SITE AND THEIR LOCATIONS. TO COMPLETE THE ON-SITE INSPECTION SAFETY PLAN.

PROPOSED DATE OF INVESTIGATION:

BACKGROUND REVIEW: Complete: Preliminary: X

DOCUMENTATION SUMMARY: OVERALL HAZARD: Serious: Moderate:

Low: Unknown:

B. SITE/WASTE CHARACTERISTICS

WASTE TYPE(S): Liquid X Solid X Sludge Gas

CHARACTERISTIC(S): Corrosive X Ignitable X Radioactive X

Volatile X Toxic X Reactive X Unknown X Other (Name) EXPLOSIVE X

FACILITY DESCRIPTION: THIS IS A MILITARY FACILITY (US. ARMY). IT SERVED AS A US. ARMY DEPOT FOR 29 YEARS. THE FACILITY IS NOW AN ADMINISTRATIVE AND WAREHOUSING SUPPORT CENTER

Principal Disposal Method (type and location): LANDFILL, MISCELLANEOUS LAND AND BUILDING STORAGE AREAS, DRUMS ABOVE GROUND.

Unusual Features (dike intergrity, power lines, terrain, etc.):

UNKNOWN

Status: (active, inactive, unknown)

HANDLED WASTE FROM 1942-1971

History: (Worker or non-worker injury; complaints from public; previous agency action):

Some children were hurt (burned) while playing near the site several years ago.

C. HAZARD EVALUATION

(Use Hazard Evaluation of Chemicals sheets for specific or representative chemicals present.):

CERCLA notification identifies waste types as organics, inorganics, solvents, pesticides, heavy metals, acids, bases, PCB's and radioactive materials. Specific waste types and there location, quantities and concentrations are not known.

PCB's have been allegedly removed from site and shipped elsewhere. The miscellaneous land and building storage areas are now empty. Residuals may remain in storage areas. All other waste materials at site were landfilled. Site should not present any hazard.

D. SITE SAFETY WORK PLAN

PERIMETER ESTABLISHMENT: Map/Sketch Attached No Site Secured? ?

Perimeter Identified? No Zone(s) of Contamination Identified? No

PERSONAL PROTECTION

Level of Protection: A ____ B ____ C ____ D X

Modifications:

Surveillance Equipment and Materials: CAMERA

DECONTAMINATION PROCEDURES: NONE FOR OFF-SITE INSPECTION OR INTERVIEWS

Special Equipment, Facilities, or Procedures: STEEL TOE WORKBOOTS SHOULD BE WORN DURING OFF SITE INSPECTION

SITE ENTRY PROCEDURES: ARRANGEMENTS FOR INTERVIEWS MUST BE MADE IN ADVANCE

Team Member	Responsibility

WORK LIMITATIONS (Time of day, etc.):

INVESTIGATION-DERIVED MATERIAL DISPOSAL:

E. EMERGENCY INFORMATION

LOCAL RESOURCES

Ambulance Granite City Fire Dept. Ambulance Service 877-4747

Hospital Emergency Room St. Elizabeth Medical Center 798-3000 - Granite City

Poison Control Center 233-1935 Belleville Memorial, 874-7076 Community Hosp. - Est. Louis

Police Department 877-6111 Emergency Calls, other 451-9760 Granite City

Fire Department 876-4545, Firehouse #1 (2300 Madison Ave) 876-1424

Airport

Explosives Unit

EPA Contact Russell Diefenbach (312) 886-3009

SITE RESOURCES

Water Supply

Telephone

Radio

Other Regional Poison Resource Center 1 800 252-2022 (St. John's Hospital)

EMERGENCY CONTACTS

1. Dr. Raymond Harbison (University of Arkansas)..... (501)661-5756 or 661-5757
   MED-TOX..... (501)370-8203 (24 Hours)
2. Regional Safety Coordinator - Don Woods (Home)..... (312)985-3816
3. FIT Leader - Joseph Petrilli (Home)..... (312)663-9415
4. FIT Office..... (312)663-9415
5. Ecology and Environment, Inc., NPMO..... (703)522-6065
   (24 Hours; call forwarding)
6. Regional Health Maintenance Program Contact..... PMI - (312)832-8820
   8:00 a.m. - 5:00 p.m.
7. E & E Emergency Paging System..... (716)882-2804

F. EMERGENCY ROUTES

(Give road or other directions; attach map)

HOSPITAL: St. Elizabeth Medical Center 2100 Madison Ave, Granite City
Take Niedringhaus Avenue east to Madison Avenue. Turn right and Hospital will be at left.

ecology and environment, inc.
223 WEST JACKSON BLVD., CHICAGO, ILLINOIS 60606, TEL. 312-663-9415
International Specialists in the Environmental Sciences

HAZARD EVALUATION OF CHEMICALS

TDD No. R5-8303-01A

Chemical Name Polychlorinated Biphenyl (PCB)

DOT Name

Reference consulted (Circle)

NIOSH Pocket Guide to Chem Haz. | Chris | Merck Index | Sax | ITI Toxic Safety Manual

Chemical Properties:

Chemical Formula: $(C_{12}H_{10-x})Cl_x$		Molecular Weight: not pertinent
Physical State: Solid or liquid at 15°C & 1 atm	Solubility:	Boiling Point: Very high at 1 atm
Flash Point: > 286°F.	Vapor Pressure:	Freezing Point: Not pertinent
Specific Gravity: 1.3-1.8 at 20°C. (liquid)	Odor/Odor Threshold: Data not available	Flammable Limits: N/A

Biological Properties:

TLV or PEL: 0.5-1.0 inhalation ppm mg/m³ Inhalation Skin (Circle Applicable Units)

TLC/LD50: 3980 mg/kg Human or other (Specify and include units): → oral-rat 2,000 ppm - ducks

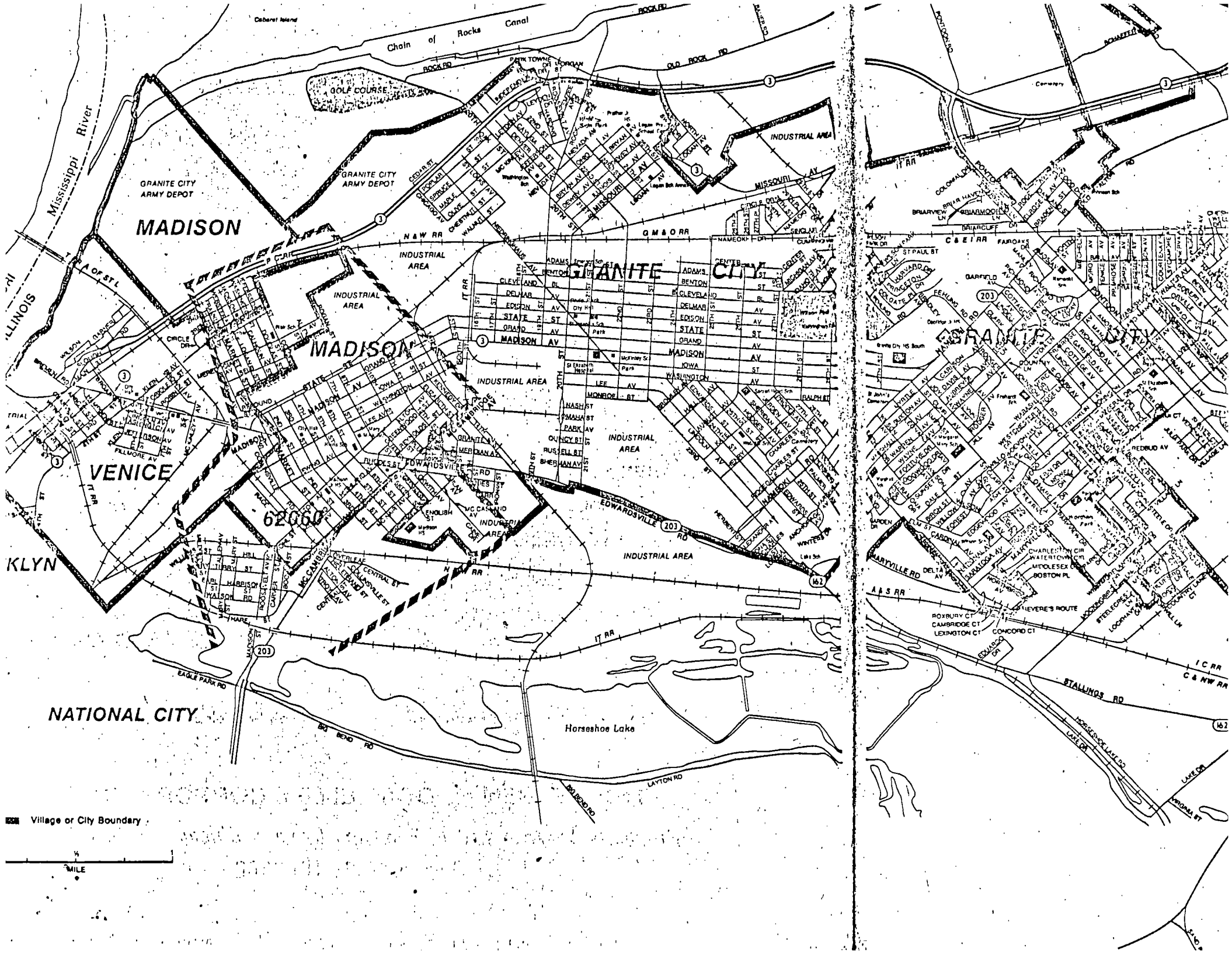
Dermal Toxicity:

Cleanup/Decontamination Recommendations:

Wear gloves and respiratory protection. Avoid contact.
Skin exposure: wash with soap and water.

Health Hazards and Recommendations:

Exposure - Liquid or solid PCB is irritating to skin and eyes. Flush affected areas with plenty of water. CALL FOR MEDICAL AID.
Harmful to aquatic life in very low concentrations.


Cabaret Island
Chain of Rocks Canal
Mississippi River
GOLF COURSE
GRANITE CITY ARMY DEPOT
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MADISON
INDUSTRIAL AREA
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GRANITE CITY
MADISON
VENICE
EDWARDSVILLE
NATIONAL CITY
Horseshoe Lake
N & W RR
G M & O RR
IT RR
C & E I RR
A & S RR
I C RR
C & NW RR
ROCK RD
OLD ROCK RD
EDWARDSVILLE RD
EAGLE PARK RD
BIG BEND RD
LAYTON RD
STALLINGS RD
LAKE DR
Village or City Boundary
MILE

An onsite inspection may be conducted if an interview is made with a site representative identifying:

1) areas where hazardous/radioactive waste is buried including quanty and type of waste;

2) areas of soil contamination;

3) areas of unstable cover;

A rad-mini and HCN monitor will be worn during the onsite inspection. There will be no inspection of the area(s) where rad waste is buried. Level C with NNU monitoring will be used while inspecting areas of hazardous waste disposal. Readings of 5ppm above background level will warrant a termination of the inspection in that area. All equipment and instruments will be decontaminated.

John Angelo
10/4/83

IL-0189-04
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Flash Point: >286°F.	Vapor Pressure:	Freezing Point: Not pertinent
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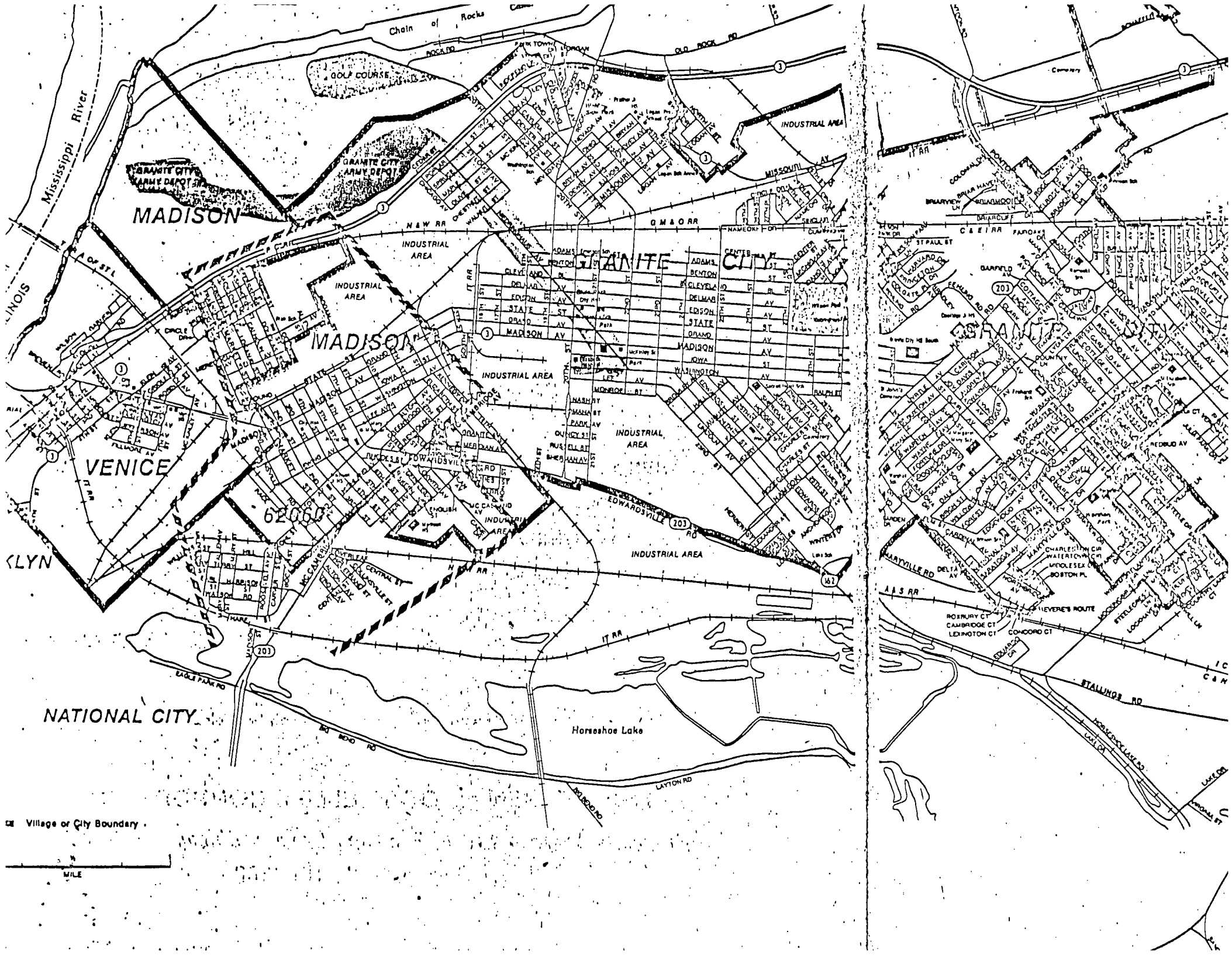
Mississippi River
Chain of Rocks
GOLF COURSE
GRANITE CITY ARMY DEPOT
MADISON
INDUSTRIAL AREA
GRANITE CITY
VENICE
62060
EDWARDSVILLE
NATIONAL CITY
Horseshoe Lake
Village or City Boundary
MILE

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