IL-0192-04

ECOLOGY AND ENVIRONMENT, INC.

FIELD INVESTIGATION TEAM

SITE SAFETY PLAN

US EPA RECORDS CENTER REGION 5

448701

932007

A. GENERAL INFORMATION

SITE: Borg-Warner - York Automotive TDD NO: R5-8303-1-192

WSTS NO: IRD078152518

LOCATION: 625 South Side Dr. Decatur, IL 62525

PLAN PREPARED BY: C. E. Mays, III DATE: 8/11/83

APPROVED BY: Joe Petrilli (8/17/83) DATE:

OBJECTIVE (including description of work to be performed): On-site inspection

PROPOSED DATE OF INVESTIGATION: 8/19/83

BACKGROUND REVIEW: Complete: X Preliminary: ____

DOCUMENTATION SUMMARY: OVERALL HAZARD: Serious: ____ Moderate: ____

Low: X Unknown: ____

B. SITE/WASTE CHARACTERISTICS

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

CHARACTERISTIC(S): Corrosive ____ Ignitable ____ Radioactive ____

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

FACILITY DESCRIPTION: Site builds automobile air conditioning compressors. Vapor degreasers utilizing trichloroethylene are used to clean metal parts.

Principal Disposal Method (type and location): Spent trichloroethylene is not stored for more than 90 days and is shipped to a recycling facility along w/ waste oils

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

Status: (active, inactive, unknown) ____

History: (Worker or non-worker injury; complaints from public; previous agency action): Violations of RCRA administrative details (i.e.- training records, contingency plan, manifest paperwork, etc).

C. HAZARD EVALUATION

(Use Hazard Evaluation of Chemicals sheets for specific or representative chemicals present.): Low to non-existent. Spent trichloroethylene is stored in 55-gal. drums and then placed in a storage shed separated from the main plant until they are shipped to the recycling facility.

D. SITE SAFETY WORK PLAN

PERIMETER ESTABLISHMENT: Map/Sketch Attached _____ Site Secured? Yes

Perimeter Identified? yes Zone(s) of Contamination Identified? yes

PERSONAL PROTECTION

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

Modifications: Steel-toed boots, white coveralls, hard hat and safety glasses (may be required by co. to walk around the plant.)

Surveillance Equipment and Materials: _____

DECONTAMINATION PROCEDURES: None

Special Equipment, Facilities, or Procedures: None

SITE ENTRY PROCEDURES: Meet company officials and go over inspection form and then if possible see spent trichloroethylene storage shed.

Team Member	Responsibility
C. E. Mays ~~III~~	Team leader
Dan Sewall	Team member
Kathy McCormack	Team member

WORK LIMITATIONS (Time of day, etc.): Company officials, weather (Thunderstorms)

INVESTIGATION-DERIVED MATERIAL DISPOSAL: None

E. EMERGENCY INFORMATION

LOCAL RESOURCES

Ambulance Decatur Ambulance Service, Inc. 461 W. Wood (paramedics) 428-8641

Hospital Emergency Room St. Mary's Hospital 1600 E. Lake Shore Dr 429-2973

Poison Control Center St. John's Hospital Regional Poison Resource Center Springfield - 800 E Carpenter (800) 252-2022

Police Department 707 E. Wood 424-2711

Fire Department 202 S. Franklin 429-5201

Airport Decatur Airport - Airport Rd. Manager's office 428-2423

Explosives Unit

EPA Contact

Trauma Center: Decatur Memorial Hospital 2300 N. Edward St. 877-8121

SITE RESOURCES

Water Supply Decatur Water

Telephone (217) 428-4641 Plant Engineer - Robert Lane

Radio

Other Sewer hook-up to Decatur's line

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)..... NON-RESPONSIVE [redacted]
3. FIT Leader - Joseph Petrilli (Home).....
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: Take South Side Dr. east to Elwin Rd and head north. Cross the bridge over Lake Decatur and exit right off the road onto Lake Shore Dr. Take Lake Shore Dr east for ~.8 miles. St. Mary's Hospital will be on the north side of the road (left-hand side).

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. R5-8303-01

Chemical Name Trichloroethylene

DOT Name

Reference consulted (Circle):

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

Chemical Properties:

Chemical Formula:		Molecular Weight:
$CHCl=CCl_2$		131.39
Physical State:	Solubility:	Boiling Point:
liquid	Practically insoluble in H_2O	189 °F
Flash Point:	Vapor Pressure:	Freezing Point:
90°F CC (practically nonflammable)		-123.5 °F
Specific Gravity:	Odor/Odor Threshold:	Flammable Limits:
1.46 @ 20°C (liquid)	50 ppm	8.0% - 10.5%

Biological Properties:

TLV or PEL: 100 ppm mg/m^3 Inhalation Skin (Circle Applicable) (Units)

TLC/LD_{50}: Human or other (Specify and include units):
Grade 3; LD_{50} 50 to 500 mg/kg

Dermal Toxicity:

Cleanup/Decontamination Recommendations:

Skin & equipment: wash thoroughly with soap and warm water

Personal safety gear: Organic vapor-acid gas canister, neoprene or vinyl gloves, safety goggles, neoprene safety boots, neoprene suit or apron when handling the substance. SCBA for emergencies

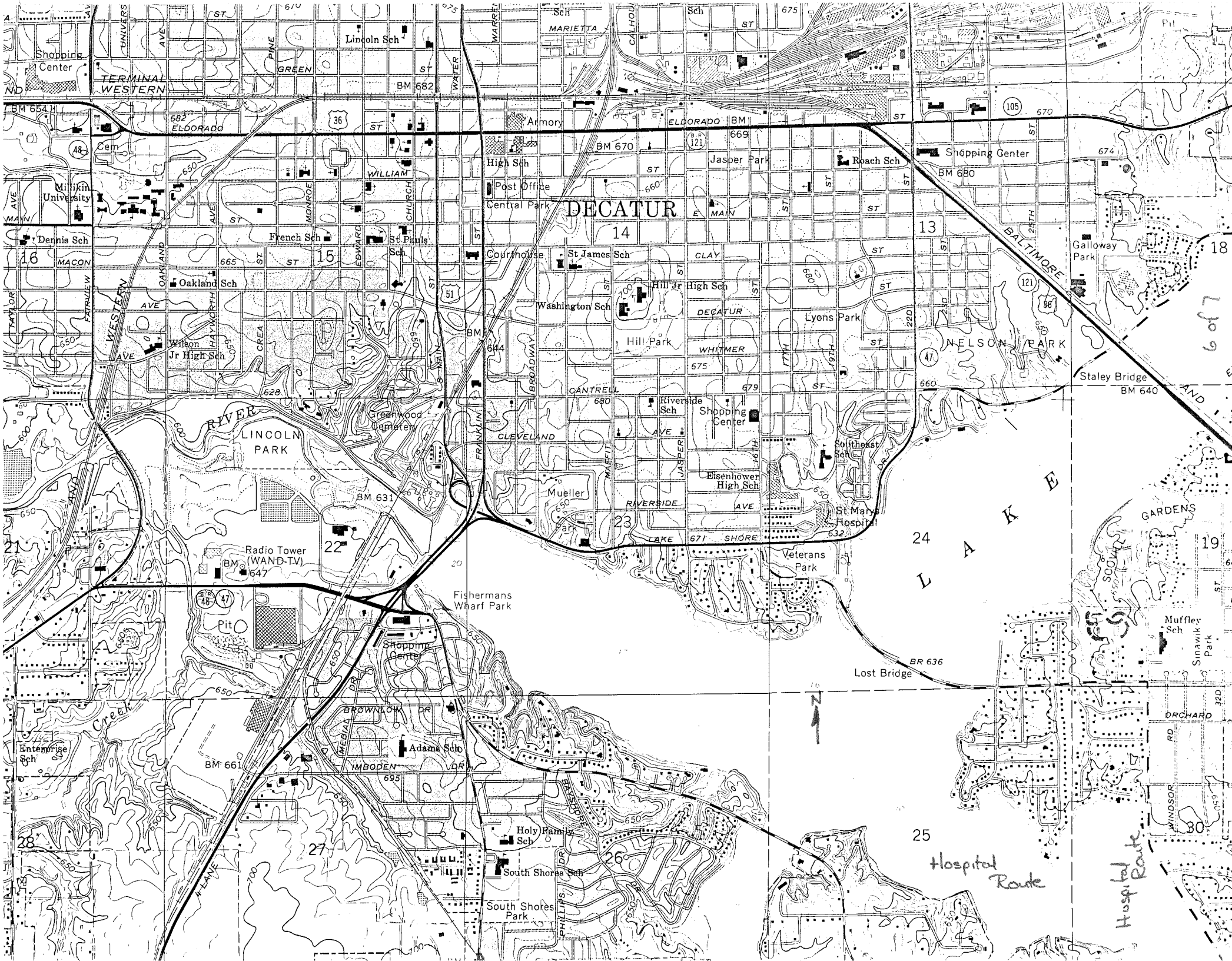
Health Hazards and Recommendations:

Spilled on clothes & allowed to remain → may cause smarting and redden of skin

Inhalation: irritation of nose & throat to nausea, blurred vision

Ingestion: symptoms similar to inhalation

Skin: defatting action can cause dermatitis


DECATUR
LAKE
Shopping Center
TERMINAL WESTERN
Lincoln Sch
BM 682
BM 654
ELDORADO
Armory
BM 669
BM 670
High Sch
Post Office
Central Park
Jasper Park
Roach Sch
Shopping Center
BM 680
Millikin University
Dennis Sch
French Sch
St Pauls Sch
Courthouse
St James Sch
Hill Jr High Sch
Washington Sch
Oakland Sch
Wilson Jr High Sch
Hill Park
Lyons Park
NELSON PARK
Galloway Park
Staley Bridge
BM 640
BALTIMORE AND
Greenwood Cemetery
LINCOLN PARK
Riverside Sch
Shopping Center
Southeast Sch
Eisenhower High Sch
Mueller Park
St Mary's Hospital
Veterans Park
BM 631
Radio Tower (WAND-TV)
BM 647
Fishermans Wharf Park
Pit
Shopping Center
Lost Bridge
BR 636
Muffley Sch
Sinawik Park
Enterprise Sch
BM 661
Adams Sch
Holy Family Sch
South Shores Sch
South Shores Park
Hospital Route
Hospital Route

Creek
Trailer Park
St Joseph Hall
Mc Kinley
Hospital
Sanatorium
Union
TERMINAL
GENERAL
KENWOOD
AVE
St Thomas Sch
Monroe Park
HARRISON
ACELAND
CEMETERY
Water Tank
SAWYER
DIVISION
CENTER
WALNUT GROVE
MAPLE
ILLINOIS
Garfield Sch
Roosevelt Jr High Sch
Pugh Sch
Park
PACKARD
UNIVERSITY
Lincoln Sch
PINE
GREEN
TERMINAL WESTERN
ELDORADO
Cem
WILLIAM
MONROE
CHURCH
French Sch
St Pauls Sch
EDWARD
OAKLAND
Oakland Sch
HAYWORTH
Wilson Jr High Sch
CREA
WESTERN
RIVER
LINCOLN PARK
Greenwood Cemetery
St Teresa Academy
WT
Drive-in Theater
BM 683
Water Tank
Hess Park
ILLINOIS CENTRAL PENNSYLVANIA
Trailer Park
Radio Tower
Harris Sch
GARFIELD
BM 682
BROADWAY
Warren Sch
Hospital
CLINTON
Durfee Sch
GRAND
WOODFORD
HICKORY
Centennial Jr High Sch
JASPER
Torrence Park
Grant Sch
Park
LOCUST
24TH
22D
CONDIT
Ullrich Sch
MARIETTA
CALHOUN
St Johns Sch
WARREN
MAIN
2 LANE
WATER
Armory
BM 670
High Sch
Post Office
Central Park
DECATUR
E MAIN
Jasper Park
Roach Sch
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BM 680
Courthouse
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CLAY
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DECATUR
Lyons Park
Hill Park
WHITMER
17TH
19TH
NELSON
CANTRELL
Riverside Sch
Shopping Center
CLEVELAND
FRANKLIN
MARFIT
Southeast Sch
Eisenhower
BALTI