US EPA RECORDS CENTER REGION 5

491599

ecology and environment, inc.

International Specialists in the Environment

Job Number FT1 305

SITE NAME: GMC FISHER BODY DIVISION
ELYRIA PLANT
1400 LOWELL
ELYRIA, OHIO 44036

TDD: F05-9004-011

PAN: FOH0331SB

SSID: NA

ARE THE FOLLOWING RECORDED DAILY?

1-DATE
2-ARRIVAL TIME
3-ONGOING WEATHER
4-SAFETY MEETING
5-DAILY ACTIVITY PROGRAM
6-LEVEL OF PROTECTION
7-SAFETY EQUIPMENT USED
8-CALIBRATION OF SAFETY EQUIPMENT
9-BACKGROUND AND SITE READINGS
10-E&E PERSONNEL ON SITE AND DUTIES
11-OTHER PERSONS ON SITE AND AFFILIATIONS
12-DEPARTURE TIME

E & E Job Number: F77305

Telephone Code Number: (312) 663-9415

Site Name: GMC-FISHER BODY DIVISION-ELYRIA PLT
1400 LOWELL

State/City: ELYRIA, OHIO 44036

TDD: F05-9004-011

PAN: F0H0331SB

SSID: NA

USEPA #: OHD 004201091

Start/Finish Date: 9/13/90 / 9/18/90

Book 1 of 1

E & E Emergency Response Center: (716) 684-8940

FOH0331SB TUESDAY 9/18/90

FIT TEAM MEMBERS

CINDY SCHULTZ (CS) - TEAM LEADER
RANDY LIVINGSTON (RL) - SAMPLER
MIKE WALTERS (MW) - TEAM MEMBER
JENNIFER DUBAY (JD) - SITE SAFETY OFFICER/
ALTERNATE SAMPLER.

SITE ARRIVAL/DEPARTURE TIMES

ARRIVAL: 0800
DEPARTURE: 1735

ON-GOING WEATHER

65°F, SUNNY 0800-1200
75°F, SUNNY 1200-ON

PROPOSED WORK TODAY

1. INTERVIEW SITE REPRESENTATIVE.
2. SET UP DECONTAMINATION (DECON) STATION
3. RECONNAISSANCE
4. COLLECT 7 SUBSURFACE SOIL SAMPLES WITH POWER AUGER.
5. SHIP SAMPLES VIA FEDERAL EXPRESS

Cindy Schultz 9/18/90

FOH0331SB TUESDAY 9/18/90

0800 ARRIVE ON-SITE. ~~JENNIFER DUBAY~~ CS 9/13/90
RS. PREPARED PAPERWORK AND BOTTLES.
J.D. CALIBRATED SAFETY EQUIPMENT.
CINDY AND MW PREPARED DECON. STATION.
GLOVES, POWER AUGER AND TROWELS WERE DE-CONED.

DECON PROCEDURES

ALL EQUIPMENT WILL BE SCRUBBED WITH AN ALCONOX/WATER (DISTILLED) SOLUTION AND TRIPLE RINSED WITH DISTILLED WATER.

PERSONNEL WILL BE DECON'D, IF NECESSARY, BY SCRUBBING WITH ALCONOX/DISTILLED WATER AND RINSING WITH DISTILLED WATER.

DISPOSAL OF SITE DERIVED WASTE

WASH/RINSE AND PAPER REFUSE WATER WILL BE LEFT ON-SITE WITH SITE OWNER/OPERATOR PERMISSION.

Decon. water was put down city sewer. Refuse was ~~taken back to warehouse.~~ CS 9/18/90 left at the Northern Ohio Industrial Park dumpster w/ Marion Pendleton's permission.

SAMPLING

FOR SAMPLE ID'S, OTR, ITR, CUSTODY TAG #'S, AIRBILL #'S, CHAIN OF CUSTODY'S, CUSTODY SEAL #'S, RECEIPTS FOR SAMPLES GIVEN, BOTTLE LOT #'S, LABORATORIES USED; FIELD MEASUREMENTS FROM SAMPLES. (INCLUDING pH, CONDUCTIVITY, TEMPERATURE) AND PRESERVATION TECHNIQUES SEE SAMPLER'S PAPERWORK.

Cindy Schultz 9/18/90

FOH0331SB TUESDAY 9/18/90

0945 SITE SAFETY MEETING CONDUCTED BY JD
FOR FURTHER INFORMATION REGARDING LEVELS OF PROTECTION, SAFETY EQUIPMENT CALIBRATIONS AND READINGS, SAFETY MEETINGS AND ATTENDANCE, SEE THE APPROVED SITE SAFETY PLAN AND LOGS.

NON-FIT PARTICIPATING PERSONNEL

TIME ON-SITE

Phillip Kienle (PK)
GMC
6600 EAST 12 MILE ROAD
WARREN, MI 48092-5905
~~(616)~~ CS 9/18/90 (313) 578-3006

Lowell Metzger (LM)
OHM ~~MATERIALS~~ CS 9/18/90 Remediation Services
16406 U.S. Route 224 East
Findley, Ohio 45840
(419) 423-3526

A PORTION OF THE FIT-COLLECTED SOIL SAMPLES WERE OFFERED TO AND ACCEPTED BY Phillip Kienle.
Refer to page 23.

1000-1030 LM, PK, CS, JD, MW CLEARED SITE IN LEVEL D. POTENTIAL SAMPLING LOCATIONS WERE CONFIRMED. PERIMETERS WERE IDENTIFIED.

Cindy Schultz 9/18/90

FOH0331SB TUESDAY 9/18/90

1000-1030 SITE OBSERVATIONS

Locked / fenced site - 7' Cyclone fence. Barbed wire on top.
closest residence - refer to site location map.

deer tracks & deer "beds"
fawn & buck seen on-site east end.
No readings on recon. or sampling.

flat, except for engineered landfill.

blue chips found in area B
A, B, C → vegetated completely.
Only ~10% of former GMC plant currently occupied.
(Some activity during SSI near former drum storage area - unknown).
WWTP, TDI, drum storage all abandoned.

former decontamination pad for trucks to wash off after dumping at RCRA landfill. Filled w/ liquid during SSI.

Refer to Site Features Map for exact locations.

Cindy Schultz 9/18/90

FOH0331SB TUESDAY 9/18/90

1000 - 1030 TEAM RETURNS TO HOT LINE. TO PREPARE FOR SOIL SAMPLING.

1045 RL, CS, MW LEAVE TO BORE DOWN WITH POWER AUGER FOR S1-S7.

FOR EQUIPMENT USED - REFER TO EACH SAMPLE TECHNIQUE. ALL SOIL SAMPLES WERE TRANSFERED FROM THE HOLE TO A SAMPLE BOTTLE WITH A STAINLESS STEEL TROWEL. VOA PORTIONS WERE COLLECTED FIRST FOR EACH SAMPLE. REFER TO SOIL SAMPLE LOCATION MAP FOR EXACT LOCATIONS.

Soil/Sediment/Surface Water #: S1
Time: 1150 Composite/Grab
Surface/Depth: 5 ft. ____ in.
Technique: ~~Shovel/trowel/spoons/bowl~~
post-hole digger/hand auger/other-describe. power auger/ST
Collected by: Cindy Schultz
Location: S1 95' EAST OF EAST EDGE OF LDFL, 200 FEET SOUTH OF R.R.
Comments/Physical Description:

↓ Clay
5' ↓ blue clay
Area "C" - Plating Waste

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Soil/Sediment/Surface Water #: S2
Time: 1245 Composite/Grab
Surface/Depth: 3 ft. ____ in. SPLIT WITH LM
Technique: Shovel/trowel/spoons/bowl
post-hole digger/~~hand auger~~/other-describe. CS 9/18/90
Collected by: Mike Walters
Location: S2 N 40' EAST, 100' SOUTH OF S1
Comments/Physical Description:

IN AREA "C"
↓ Brown Clay
3' Black/Blue Clay

Soil/Sediment/Surface Water #: S3 SPLIT W LM
Time: 1355 Composite/Grab
Surface/Depth: 2.5 ft. ____ in. 150 yds West of RR
Technique: Shovel/trowel/spoons/bowl 300 yds north of RR
post-hole digger/hand auger/other-describe.
Collected by: RL
Location: S3 - IN AREA "B"
Comments/Physical Description:

↓ Brown Dirt/clay
2.5 ↓ Blue SOIL (NOT CLAY-LIKE)

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FOH0331SB TUESDAY 9/18/90

Soil/Sediment/Surface Water #: S4
Time: 1435 Composite/Grab
Surface/Depth: 1 ft. in.
Technique: Shovel/trowel/spoons/bowl
post-hole digger/hand auger/other-describe.
Collected by: Cindy Schultz
Location: S4
Comments/Physical Description:

blue color on surface

↓ very blue soil (not clay-like)

Soil/Sediment/Surface Water #: S5
Time: 1515 Composite/Grab SPLIT w/ LM
Surface/Depth: 1.5 ft. in.
Technique: Shovel/trowel/spoons/bowl
post-hole digger/hand auger/other-describe.
Collected by: Randy Livingston
Location: S5 in Area "A" - burn trash area
Comments/Physical Description:

odor - burnt material present

400 yds east of pump house
300 yds NE of Concrete pad.

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Soil/Sediment/Surface Water #: S6
Time: 1555 Composite/Grab
Surface/Depth: 2 ft. in.
Technique: Shovel/trowel/spoons/bowl
post-hole digger/hand auger/other-describe.
Collected by: CS
Location: S6
Comments/Physical Description:

in Area A - burn area.
→ odor

Soil/Sediment/Surface Water #: S7
Time: 1630 Composite/Grab
Surface/Depth: 1 ft. in.
Technique: Shovel/trowel/spoons/bowl
post-hole digger/hand auger/other-describe.
Collected by: CS
Location: S7
Comments/Physical Description:

BKg.

in a stand of trees.

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CS 9/18/90

Soil/Sediment/Surface Water #:
Time: Composite / Grab
Surface / Depth: ---------- ft. ---------- in.
Technique: Shovel / trowel / spoons / bowl
post-hole digger / hand auger / other - describe.
Collected by:
Location:
Comments / Physical Description:

Soil/Sediment/Surface Water #:
Time: Composite / Grab
Surface / Depth: ---------- ft. ---------- in.
Technique: Shovel / trowel / spoons / bowl
post-hole digger / hand auger / other - describe.
Collected by:
Location:
Comments / Physical Description:

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FOH03315B TUESDAY 9/18/90

PHOTOGRAPHS

CAMERA : Canon
FILM : 200ASA Kodak
LENS : 40mm * 70mm

FRAME #	DIRECTION	TIME	LOCATION / SUBJECT
2	N	1015	Panoramic of GWC Plant
3	↓	↓	and area A, B.
4	↓	↓	↓
5	W	1215	~~S1 - CLOSE~~ CS 9/18/90
6	↓	↓	~~S1 - FAR (ENGINEERED LDFL IN BKG)~~ CS 9/18/90
7	W	1255	S2 - CLOSE
8	W	↓	S2 - FAR
9	W	1255	S1 - RESHOOT W/ OHIO
10	W CS 9/18/90	1255	S1 - FAR PLACARD
11	~~W~~ CS 9/18/90 E	1300	OVERVIEW of AREA C
12	~~W~~ E	↓	FROM TOP of RCRA LDFL.
13	W	1440	S4 - close
14	W	↓	S4 - far
15	W	1520	S5 - close
16	W	↓	S5 - far
17	W	1610	S6 - close
* 18	W	1610	S6 - far
19	W	1620	Paraqramic of east of
20	↓	↓	of former GWC Plant
21	↓	↓	Showing WWTP, drum storage
			area.
22	W	~~1445~~ CS 9/18/90 1645	S7 - ~~close~~ CS 9/18/90 ~~1650~~ wrong time
* 23	W	↓	~~S7 - far~~ CS 9/18/90 ignore
24	N/A	1715	Cooler
↓			
end of roll			

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TUESDAY 9/18/90

CHANGES TO WORK PLAN

NONE

DAILY LOG OF ACTIVITIES

0800 ARRIVE ON-SITE
0800-0900 INTERVIEW
1000-1030 RECON
1045-1215 BEGIN S1 - END S1
1245-1245 BEGIN - END S2
1315-1345 BEGIN - END S3
1350-1440 BEGIN - END S4
1445-1535 BEGIN - END S5
1540-1555 BEGIN - END S6
1615-1630 BEGIN - END S7
1625 RECEIPT FOR SAMPLES/ REPORT GIVEN TO SITE REP. CONSULTANT
1735 LEAVE SITE
1820 ARRIVE FED. EX
1930 ARRIVE HOTEL.

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FOH033/SB TUESDAY 9/18/90

INTERVIEW QUESTIONS

Exchanged business cards. ~~(titles - refer to page 4)~~ CS 9/18/90

Name | Address
~~former GMC building~~ Parcel A — GMC Fisher Body Division - Elyria Plant
1400 Lowell
Elyria, Ohio 44036

Parcel B CS 9/18/90 A — Northern Ohio Industrial Park
1400-1438 Lowell
Elyria, Ohio

Parcel B - adjacent to 1400 Lowell = address

Boundaries - Parcel A (western half) boundaries (refer to site map)
Acreage?
fenced? yes
1 Building? yes
Sold to ~~Central~~ Northern CS 9/18/90 Ohio Industrial Park when? 1989

Parcel B (eastern half) boundaries (refer to site map)
Acreage -
fenced/locked - yes
GMC still owns - Plans for it? L&F closure - monitor for 30 years. No plans for rest.
Liability for clean up? Parcel B - GMC
Parcel A - industrial park

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FOH033158 TUESDAY 9/18/90

Years of operation? 1998 (pdt. Stopped) closed in 1989

Why stop operations at this plant? politics

#Employees — 3000 employees at peak.
Owned/operated by GMC- Ehyria Plant?
Parent Company?
GM
3044 W Grand Blvd.
Detroit, MI

operated by Fischer Body Division.

Prior to ownership by GMC = Cabbage field.

Types of operations taking place at this plant?

Mfg. ~~automotive grills, instrument panels~~ CS 9/18/90 and anodized aluminum trim — Anything else?
Seat cushions
arm rests
Sun roof assemblies
fuel filler caps
misc. auto parts

past plating operations for wheel cover potion & prior to this during war for aircraft components.

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FOH033158 TUESDAY 9/18/90

Waste Streams

On-site Waste Water Treatment Plant (WWTP) built in 1956 which accepted plating rinses, weak acids, alkali and chrome waste. What was done with this waste prior → to 1956?

WWTP — 1½ MGD discharged to outfall 001 → city storm sewer → Black River 1 mile east of the site.
Was this quantity released from 1956 - 1988?

1989 → Switched to city discharge when cleaning plant out.

Permitted by NPDES? entire time? yes

What were the NPDES Limitations?

→ checking.

WWTP sludge was put into sludge settling basins (3 Lagoons (series)) (Shown on site features map). Same as ldf and surface impoundment? yes

56,000 cy - total capacity of 3 lagoons (in series)

RCRA regulated? yes.

Was it lined? Clay lined (unknown if natural or man-made)

Size? see above

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Anything else disposed there? NO - just plating sludge

~~Paint waste?~~ CS 9/16/90

~~CN waste?~~ CS 9/16/90

Duration of use?

Closed how? Engineered ldf.
double liner
1°, 2° leachate system - Collected once/week
& transported off-site.

Ever Excavated?

quantity - unknown

Once sludge settles was it taken to areas "B" and "C"?

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Drum Storage Area

spent drum waste or raw materials?

~~concrete~~ birm? CS 9/18/90

RCRA? yes

types?

quantities?

refer to closure plan

transporters?

refer to closure plan.

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FOH0331SB TUESDAY 9/18/90

TOLUENE DIISOCYANATE TANK

USE? inclined concrete ditch. Used for partially reacted TDI
→ it would be submerged in H_2O → so it would turn into foam
Only used 2-3x - emergency use only.
Quantity of waste) Duration of time -
Unknown.

Transporter - NA - Stayed on-site.

Verify location on site features map.

Clean closed under RCRA? when? yes.

Is there a report available?
yes

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FOH0331SB TUESDAY 9/18/90

Comprehensive Monitoring Well Evaluation (CME)

Carried out by ~~Ahmed~~ CS 9/18/90 OEPA
Location → NA
site rep has not recd results yet...

~~Who's overseeing Ahmed? NA~~ CS 9/18/90

What is this program?
2 dozen monitoring wells - monitor
engineered ldf.

Why? routine.

When? NA

What direction was
Groundwater flow confirmed to be going? NE

Copy of report available?

Groundwater Quality Assessment Report Phase 2
Dec. 1987

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FOH0331SB 9/18/90

AREAS A, B, C – NOT RCRA Regulated

	A	B	C
LOCATION	REFER TO SITE FEATURES MAP		
SIZE			
USE	Open burning of plant trash	WWTP sludge * food waste	WWTP sludge * food
WASTE TYPE	garbage	* food	* food
WASTE VOLUME	unknown	25,000 yd³	40,000 yd³
YEARS of USE			
LINED?	YES	YES	
COMMENTS	Plowed, graded, covered. Never excavated	allowed to dry, 1967-1970 then covered w/ soil in 1970. to ≤ 8'. Now vegetated. Never excavated	Covered, vegetated. Never Excavated

* food waste – plating waste

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Where was this waste taken prior to and after "A, B, C" were ~~present~~ as 9/18/90 in existence?

Plant trash < 1947? not burned prior to 1947

taken off-site > 1974.

Other Waste Streams?

Paint waste? – off-site location?

quantity?

MSDS?

transporter?

> unknown

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FOH03315B TUESDAY 9/18/90

Permits - Duration

NPDES FOR OUTFALL 001 —

AIR Permits?

RCRA?

Any others?

Refer to 2 aerial photos given to me by P.K.

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FOH03315B TUESDAY 9/18/90

1625 Receipts will be given to you at end of the day. TO LM

Splitting? yes S2, S3, S5 - he planned to analyze for everything we did on these samples.

Will you be duplicating all of our analyses? yes.
PRP will send me 2010-13 with as much info as possible filled in.

COMMENTS

- Since JD was feeling ill, she spent most of her time at the command post deconing and helping to sample, as a result RL took over collecting samples for her as well as sampling duties.

The power auger could not bore through all the wet clay in this area. Alot of time was lost trying to make the power auger work for us. Eventually it was abandoned for a hand auger/post-hole digger/shovel combination. The cobbles encountered later would have impeaded the power auger as well.
EPA Camera would not thread film so it was useless.

The Monitor 4 dropped from a cooler and would not register with the mantle. Since a special tool was required to open the Monitor 4 - we could not open it up to try to fix it. Health & Safety, E/E waived the need to use the monitor 4 for this site...

Cindy Schultz 9/18/90

Cindy Schultz 9/20/90

ECOLOGY AND ENVIRONMENT, INC. - CHICAGO
ON-SITE SAFETY LOG

Name: GMC-Fischer Body DNIZion Elyria Plant
Date: 18 Sept 1990
PAN #/Job #: FOS-9004-011/FMI0331SB
Weather: Cold, Clear, Sunny ~ 45°-50°F

	Equipment (Circle All Used)	ID#	Calibration/ Operation Check	Initials and Date	Background Readings	On-Site Readings
1.	OVA	g	Check w/marker	JLD 9/18	1 ppm	Same
	HNu 10.2 probe					
	Photovac Tip					
2.	O_2 Meter					
	Explosimeter					
	Combo Meter	B	20% O_2/alarm @ 20% LEL	JLD 9/18	20% O_2 - 0% LEL	
3.	Rad-Mini — failed to perform - waived					
	Monitor 4					
4.	HCN Draeger					
	Monitox	D-611976	alarms @ 10ppm	JLD 9/18	NONE	
5.	Other:					

Attendees At Site: J. Dubay, C. Schultz, M. Walters, R. Livingston

Protective Clothing Worn: Tyvek, Vitons or Silver Shield gloves, booties, latex gloves, hearing protection.

Comments on Monitoring or Protective Clothing: - rad-mini - failed to operate - its usage was waived as per J. Sullivan /18 Sept 1990

Team Leader CINDY SCHULTZ
Name
Site Safety Officer Jennifer Dubay
Name

Cindy Schultz 9/18/90
Signature/Date
Jennifer L. Dub
Signature/Date

Please submit original to Laura Evans, and a copy to the project file.

HS018E(6/11/90)

FMI0331SB DUBAY 9/18/90

JLD 9/18/90

Cindy Schultz 9/20/90

Ecology and Environment, Inc.

ON-SITE SAFETY MEETING

Project GMC - Fischer Body Division, Elyria Plant TDD/Fam FM-I0331SB F05-9004-011

Date 18 Sept 1990 Time 0945 Job No. FT1305

Address 1400 LOWELL, ELYRIA, OHIO

Specific Location Same

Type of Work RECON, SOIL COLLECTION.

SAFETY TOPICS PRESENTED

Protective Clothing/Equipment Tyvek, booties, steel-toed boots, Vitons or Silver Shield gloves, latex gloves

Chemical Hazards metals, cyanide, sodium hydroxide, sulfuric acid

Radiation Hazards NONE anticipated

Physical Hazards trip/fall, cold, noise

Emergency Procedures verbal communication w/ walkie talkies - exit site as entered

Hospital/Clinic ELYRIA MEMORIAL HOSP. Telephone (216) 323-3221

Hospital Address 630 E. RIVER, ELYRIA, OHIO

Special Equipment power auger

Other NONE

Checklist

1. Emergency information reviewed? Y and made familiar to all team members? Y
2. Route to nearest hospital driven? Y and its location known to all team members? Y
3. Site safety plan readily available and its location known to all team members? Y

Meeting shall be attended by all personnel who will be working within the exclusion area. Daily informal update meetings will be held when site tasks and/or conditions change.

ATTENDEES
(Expand on back of sheet if necessary)

Name Printed	Signature
CINDY SCHULTZ	Cindy Schultz
Jennifer Dubay	Jennifer L. Dubay
RANDY LIVINGSTON	Randy Livingston
MIKE WALTERS	Mike Walters

Meeting Conducted by: ~~SCOTT TYREK~~ Jennifer Dubay (Print) Cindy Schultz (Signature)

Jennifer L. Dubay (Site Safety Coordinator) CINDY SCHULTZ (Team Leader)

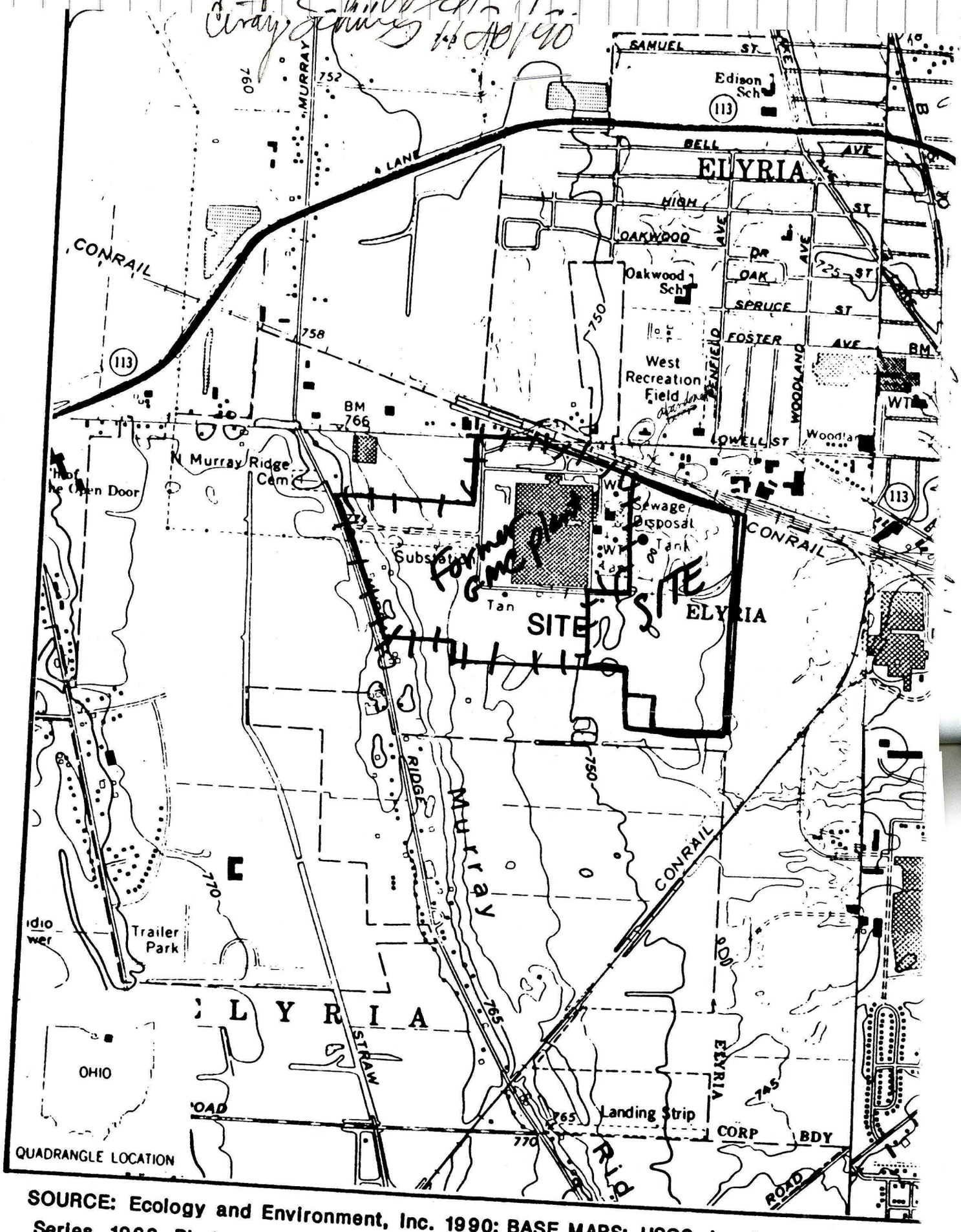
533

FOH0331SB

alio lar

26

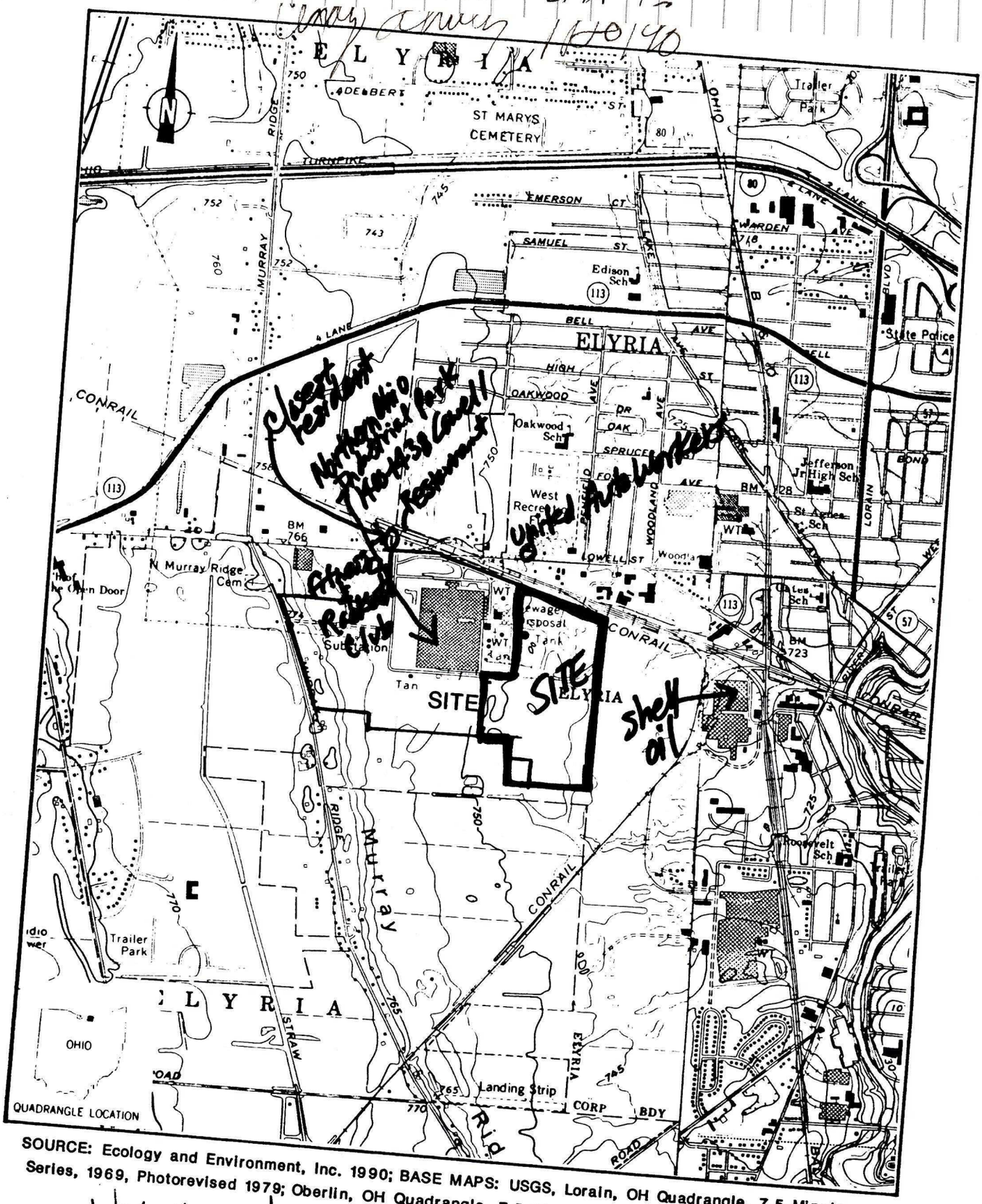
27



SOURCE: Ecology and Environment, Inc. 1990; BASE MAPS: USGS, Lorain, OH Quadrangl
Series, 1969, Photorevised 1979; Oberlin, OH Quadrangle, 7.5 Minute Series, 1969, Pho

~~SURROUNDING AREAS/SITE FEATURES~~

SCALE

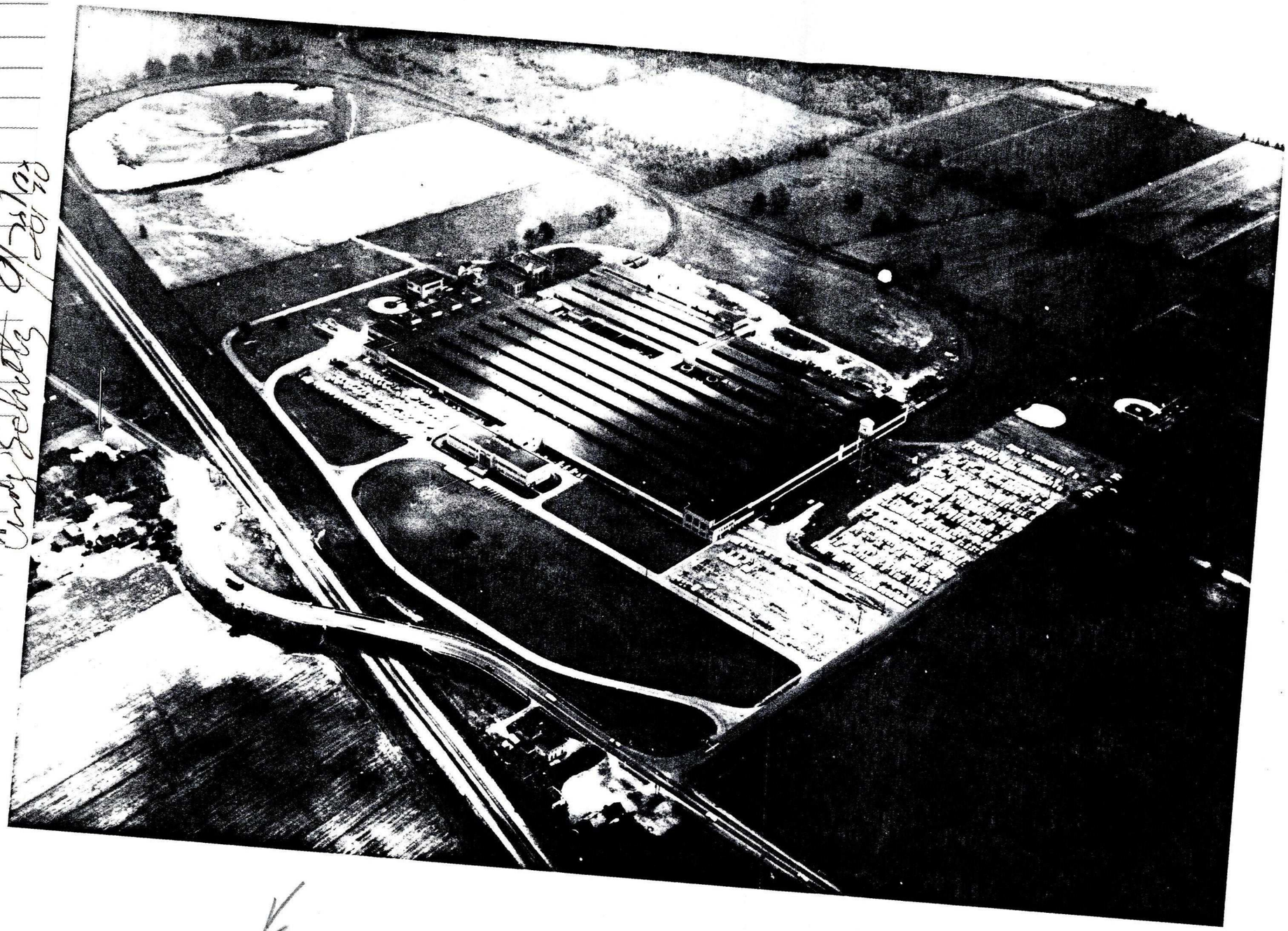


SOURCE: Ecology and Environment, Inc. 1990; BASE MAPS: USGS, Lorain, OH Quadrangle, 7.5 Minute Series, 1969, Photorevised 1979; Oberlin, OH Quadrangle, 7.5 Minute Series, 1969, Photorevised 1979.

SCALE
0 ½ 1 MILE

FIGURE 2-1 SITE LOCATION / SURROUNDING AREAS

Surrounded by industry on both side on Lowell street.



Cindy Schultz 9/25/90

N