☐ Lawhon and Associates, Inc.
☐ L&A Engineering, Inc.

6330-A Proprietors Road
Worthington, OH 43085
Phone: (614) 436-8400
Fax: (614) 438-5499

No. 1263

Sent To: FIRE & ENVIRONMENTAL (Lab Name)
VIA: [redacted] FEDEX
Air Bill No.: 2493396220
Page 1 of 1

CHAIN-OF-CUSTODY RECORD

Project Contact: Steven M. Gross

Sample Type: S-Soil; SD-Sediment; SW-Surface Water; WW-Wastewater; GW-Groundwater; O-Other

Containers Intact: At L&A (Y)/N X; At Lab Y/N

As Received by Lab:

Project No.: 6177006.002

Project Name: Kilgore

Sampler (print): Steve Gross, Kevin Patton

Signature: Steven M. Gross, Kevin Patton

Sample I.D. No.	Type	Comp	Grab	Date	Time	Sample Location	Number of Containers	Turn Around/Requirements	Analysis Method	VOA 8240	5 VOC 8020	RCRA 8 Metals	TOTALS	Expected Conc. (H,M,L)	Hold	Remarks:
SB-1	S		X	10-30	11:30	SB-1 4-6'	2			X	X	X				41029
SB-2	S		X	10-30	2:00	SB-2 6-8	2			X	X	X				41030
SB-3	S		X	10-30	4:15	SB-3 4-6'	2			X	X	X				41031
SB-4	S		X	10-31	9:00	SB-4 2-4'	2			X	X	Y				41032
SB-1	S		X	10-30	1:30	SB-1 18-20'	2			X	X	X				41033
SB-2	S		X	10-30	3:15	SB-2 18-20	2			X	X	X				41034
SB-3	S		X	10-30	4:50	SB-3 12-14	2			X	X	X				41035
SB-4	S		X	10-31	9:20	SB-4 8-10'	2			X	X	Y				41036

Relinquished by: (signature)	Date/Time	Received By: (signature)	Date/Time	Relinquished By: (signature)	Date/Time	Received By: (signature)	Date/Time
Steven M. Gross	11/7/96 3:20	[signature]	11-8-96 1000				
Relinquished by: (signature)	Date/Time	Received By: (signature)	Date/Time	Relinquished By: (signature)	Date/Time	Received By: (signature)	Date/Time

Comments:

Distribution: White - File; Yellow - Lab

OC 010459

☑ Lawhon and Associates, Inc
☐ L&A Engineering, Inc.

6300 Proprietors Road
Worthington, OH 43085
Phone: (614) 436-8400
Fax: (614) 438-5499

Sent To: FRE & Environmental Consulting Laboratories (Lab Name)
VIA: _____
Air Bill No.: _____

Page 1 of 1

CHAIN-OF-CUSTODY RECORD

Project Contact: SAWYER / GROSS

Sample Type: S-Soil, SD-Sediment, SW-Surface Water, WW-Wastewater, GW-Groundwater, O-Other

Containers Intact: At L&A Y/N; At Lab Y/N

As Received by Lab:

Project No.: 6177006-002

Project Name: Kilgore

Sampler (print): KEVIN PATTON

Signature:

Sample I.D. No.	Type	Comp	Grab	Date	Time	Sample Location	Number of Containers	Turn Around/Requirements	Analysis / Method	Expected Conc. (H,M,L)	Hold	Remarks
S-1				11/20	1550	Kilgore			✓ RCRA 8 ✓ CHROMIUM			42069
~~S-2~~				11/20	~~1555~~	~~Kilgore~~			~~✓~~			

Relinquished by: (signature)	Date/Time	Received By: (signature)	Date/Time	Relinquished By: (signature)	Date/Time	Received By: (signature)	Date/Time
	11/20/96 1520						
	12-2-96 1314						

Comments:

Distribution: White - File; Yellow - Lab

OC 010460

Fire & Environmental Consulting Laboratories, Inc.

One East Complex 1451 East Lansing Drive, Suite 222 East Lansing, MI 48823
Phone (517) 332-0167 Fax (517) 332-6333

November 20, 1996

Attention: Mr. Steve Gross

Lawhon & Associates, Inc.
6300 Proprietors Road
Worthington, OH 43085

Analytical Laboratory Report

FECL #(s): AA41364-AA41373

Project: 6177006.002 OHIO VAP
Samples collected by: SG/KP
Date/Time Submitted: 11/13/96 20:41
PO #: Verbal

FECL #: AA41364
Kilgore MW-1
Date/Time Collected: 11/08/96 12:30
Matrix: Wastewater
Container(s): 2-40 ml glass vials; 1-1L Amber
Preservation: Refrigeration/HCl/None

FECL #: AA41365
Tag: Kilgore MW-2
Date/Time Collected: 11/08/96 13:00
Matrix: Wastewater
Container(s): 2-40 ml glass vials; 1-1L Amber
Preservation: Refrigeration/HCl/None

FECL #: AA41366
Tag: Kilgore MW-3
Date/Time Collected: 11/08/96 13:05
Matrix: Wastewater
Container(s): 2-40 ml glass vials; 1-1L Amber
Preservation: Refrigeration/HCl/None

FECL

Analytical Laboratory Report
Lawhon & Associates, Inc.
November 20, 1996

FECL #: AA41367
Tag: Kilgore MW-4
Date/Time Collected: 11/08/96 13:30
Matrix: Wastewater
Container(s): 2-40 ml glass vials; 1-1L Amber
Preservation: Refrigeration/HCl/None

FECL #: AA41368
Tag: TRIP BLANK
Date/Time Collected: 11/08/96
Matrix: Wastewater
Container(s): 2-40 ml glass vials
Preservation: Refrigeration/HCl

FECL #: AA41369
Tag: Kilgore MW-1
Date/Time Collected: 11/11/96
Matrix: Wastewater
Container(s): 1-1L Plastic
Preservation: Refrigeration/HNO3

FECL #: AA41370
Tag: Kilgore MW-2
Date/Time Collected: 11/11/96 09:55
Matrix: Wastewater
Container(s): 1-1L Plastic
Preservation: Refrigeration/HNO3

FECL #: AA41371
Tag: Kilgore MW-3
Date/Time Collected: 11/11/96 10:15
Matrix: Wastewater
Container(s): 1-1L Plastic
Preservation: Refrigeration/HNO3

FECL #: AA41372
Tag: Kilgore MW-4
Date/Time Collected: 11/11/96 10:40
Matrix: Wastewater
Container(s): 1-1L Plastic
Preservation: Refrigeration/HNO3

FECL

Analytical Laboratory Report
Lawhon & Associates, Inc.
November 20, 1996

FECL #: AA41373
Tag: FIELD BLANK
Date/Time Collected: 11/11/96 09:10
Matrix: Wastewater
Container(s): 2-40 ml Glass vials
Preservation: Refrigeration/HCl

FECL

Analytical Laboratory Report
Lawhon & Associates, Inc.
November 20, 1996

FECL #: AA41364
Tag: Kilgore MW-1
Date/Time Collected: 11/08/96 12:30
Matrix: Wastewater

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Organics						
BNA Extraction	Completed			625/8270	JKB	11/15/96
Semi-Volatile Organics						
Acenaphthene	Not detected	mg/L	0.01	8270	JB	11/18/96
Acenaphthylene	Not detected	mg/L	0.01	8270	JB	11/18/96
Anthracene	Not detected	mg/L	0.01	8270	JB	11/18/96
Benzidine	Not detected	mg/L	0.01	8270	JB	11/18/96
Benzo(a)anthracene	Not detected	mg/L	0.01	8270	JB	11/18/96
Benzo(b)fluoranthene	Not detected	mg/L	0.01	8270	JB	11/18/96
Benzo(k)fluoranthene	Not detected	mg/L	0.01	8270	JB	11/18/96
Benzo(ghi)perylene	Not detected	mg/L	0.01	8270	JB	11/18/96
Benzo(a)pyrene	Not detected	mg/L	0.01	8270	JB	11/18/96
Bis(2-chloroethoxy)methane	Not detected	mg/L	0.01	8270	JB	11/18/96
Bis(2-chloroethyl)ether	Not detected	mg/L	0.01	8270	JB	11/18/96
Bis(2-chloroisopropyl)ether	Not detected	mg/L	0.01	8270	JB	11/18/96
Bis(2-ethylhexyl)phthalate	Not detected	mg/L	0.01	8270	JB	11/18/96
4-Bromophenyl phenyl ether	Not detected	mg/L	0.01	8270	JB	11/18/96
Butyl benzyl phthalate	Not detected	mg/L	0.01	8270	JB	11/18/96
2-Chloronaphthalene	Not detected	mg/L	0.01	8270	JB	11/18/96
4-Chloro-3-methylphenol	Not detected	mg/L	0.01	8270	JB	11/18/96
2-Chlorophenol	Not detected	mg/L	0.01	8270	JB	11/18/96
4-Chlorophenyl phenyl ether	Not detected	mg/L	0.01	8270	JB	11/18/96
Chrysene	Not detected	mg/L	0.01	8270	JB	11/18/96
Dibenzo(a,h)anthracene	Not detected	mg/L	0.01	8270	JB	11/18/96
Di-n-butyl phthalate	Not detected	mg/L	0.01	8270	JB	11/18/96
1,2-Dichlorobenzene	Not detected	mg/L	0.01	8270	JB	11/18/96
1,3-Dichlorobenzene	Not detected	mg/L	0.01	8270	JB	11/18/96
1,4-Dichlorobenzene	Not detected	mg/L	0.01	8270	JB	11/18/96
3,3'-Dichlorobenzidine	Not detected	mg/L	0.01	8270	JB	11/18/96
2,4-Dichlorophenol	Not detected	mg/L	0.01	8270	JB	11/18/96
Diethyl phthalate	Not detected	mg/L	0.01	8270	JB	11/18/96
Dimethyl phthalate	Not detected	mg/L	0.01	8270	JB	11/18/96
2,4-Dimethylphenol	Not detected	mg/L	0.01	8270	JB	11/18/96
2,4-Dinitrophenol	Not detected	mg/L	0.01	8270	JB	11/18/96
2,4-Dinitrotoluene	Not detected	mg/L	0.01	8270	JB	11/18/96
2,6-Dinitrotoluene	Not detected	mg/L	0.01	8270	JB	11/18/96

FECL

...lytical Laboratory Report
Lawhon & Associates, Inc.
November 20, 1996

FECL #: AA41364 (Continued)
Tag: Kilgore MW-1
Date/Time Collected: 11/08/96 12:30
Matrix: Wastewater

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Organics (Continued)						
Semi-Volatile Organics (Continued)						
Di-n-octyl phthalate	Not detected	mg/L	0.01	8270	JB	11/18/96
1,2-Diphenylhydrazine	Not detected	mg/L	0.01	8270	JB	11/18/96
Fluoranthene	Not detected	mg/L	0.01	8270	JB	11/18/96
Fluorene	Not detected	mg/L	0.01	8270	JB	11/18/96
Hexachlorobenzene	Not detected	mg/L	0.01	8270	JB	11/18/96
Hexachlorobutadiene	Not detected	mg/L	0.01	8270	JB	11/18/96
Hexachlorocyclopentadiene	Not detected	mg/L	0.01	8270	JB	11/18/96
Hexachloroethane	Not detected	mg/L	0.01	8270	JB	11/18/96
Ideno(1,2,3-cd)pyrene	Not detected	mg/L	0.01	8270	JB	11/18/96
...ophorone	Not detected	mg/L	0.01	8270	JB	11/18/96
...hthalene	Not detected	mg/L	0.01	8270	JB	11/18/96
...benzene	Not detected	mg/L	0.01	8270	JB	11/18/96
2-Nitrophenol	Not detected	mg/L	0.01	8270	JB	11/18/96
4-Nitrophenol	Not detected	mg/L	0.01	8270	JB	11/18/96
N-Nitrosodimethylamine	Not detected	mg/L	0.01	8270	JB	11/18/96
N-Nitrosodiphenylamine	Not detected	mg/L	0.01	8270	JB	11/18/96
N-Nitrosodi-n-propylamine	Not detected	mg/L	0.01	8270	JB	11/18/96
Pentachlorophenol	Not detected	mg/L	0.01	8270	JB	11/18/96
2-Methyl-4,6-dinitrophenol	Not detected	mg/L	0.01	8270	JB	11/18/96
Phenol	Not detected	mg/L	0.01	8270	JB	11/18/96
Pyrene	Not detected	mg/L	0.01	8270	JB	11/18/96
1,2,4-Trichlorobenzene	Not detected	mg/L	0.01	8270	JB	11/18/96
2,4,6-Trichlorophenol	Not detected	mg/L	0.01	8270	JB	11/18/96
Phenanthrene	Not detected	mg/L	0.01	8270	JB	11/18/96
Volatile Organics						
Acrolein	Not detected	mg/L	0.001	8260	VFM	11/15/96
Acrylonitrile	Not detected	mg/L	0.001	8260	VFM	11/15/96
Benzene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Bromodichloromethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Bromoform	Not detected	mg/L	0.001	8260	VFM	11/15/96
Bromomethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Carbon tetrachloride	Not detected	mg/L	0.001	8260	VFM	11/15/96
Chlorobenzene	Not detected	mg/L	0.001	8260	VFM	11/15/96
...roethane	Not detected	mg/L	0.001	8260	VFM	11/15/96

FECL

alytical Laboratory Report
Lawhon & Associates, Inc.
November 20, 1996

FECL #: AA41364 (Continued)
Tag: Kilgore MW-1
Date/Time Collected: 11/08/96 12:30
Matrix: Wastewater

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Organics (Continued)						
Volatile Organics (Continued)						
2-Chloroethylvinyl ether	Not detected	mg/L	0.001	8260	VFM	11/15/96
Chloroform	Not detected	mg/L	0.001	8260	VFM	11/15/96
Chloromethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Dibromochloromethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Dibromomethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,4-Dichlorobenzene	Not detected	mg/L	0.001	8260	VFM	11/15/96
cis-1,3-Dichloropropene	Not detected	mg/L	0.001	8260	VFM	11/15/96
trans-1,3-Dichloropropene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Dichlorodifluoromethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,1-Dichloroethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,2-Dichloroethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,1-Dichloroethene	Not detected	mg/L	0.001	8260	VFM	11/15/96
trans-1,2-Dichloroethene	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,2-Dichloropropane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Ethylbenzene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Methylene chloride	Not detected	mg/L	0.001	8260	VFM	11/15/96
Styrene	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,1,2,2-Tetrachloroethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Tetrachloroethene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Toluene	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,1,1-Trichloroethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,1,2-Trichloroethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Trichloroethene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Trichlorofluoromethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,2,3-Trichloropropane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Vinyl chloride	Not detected	mg/L	0.001	8260	VFM	11/15/96
p,m-Xylene	Not detected	mg/L	0.001	8260	VFM	11/15/96
o-Xylene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Acetone	Not detected	mg/L	0.05	8260	VFM	11/15/96
2-Butanone (Methyl Ethyl Ketone)	Not detected	mg/L	0.05	8260	VFM	11/15/96
Carbon disulfide	Not detected	mg/L	0.05	8260	VFM	11/15/96
2-Hexanone	Not detected	mg/L	0.05	8260	VFM	11/15/96
4-Methyl-2-pentanone	Not detected	mg/L	0.05	8260	VFM	11/15/96
Vinyl acetate	Not detected	mg/L	0.05	8260	VFM	11/15/96

FECL

alytical Laboratory Report
Lawhon & Associates, Inc.
November 20, 1996

FECL #: AA41365
Tag: Kilgore MW-2
Date/Time Collected: 11/08/96 13:00
Matrix: Wastewater

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Organics						
BNA Extraction	Completed			625/8270	JKB	11/15/96
Semi-Volatile Organics						
Acenaphthene	Not detected	mg/L	0.01	8270	JB	11/18/96
Acenaphthylene	Not detected	mg/L	0.01	8270	JB	11/18/96
Anthracene	Not detected	mg/L	0.01	8270	JB	11/18/96
Benzidine	Not detected	mg/L	0.01	8270	JB	11/18/96
Benzo(a)anthracene	Not detected	mg/L	0.01	8270	JB	11/18/96
Benzo(b)fluoranthene	Not detected	mg/L	0.01	8270	JB	11/18/96
Benzo(k)fluoranthene	Not detected	mg/L	0.01	8270	JB	11/18/96
Benzo(ghi)perylene	Not detected	mg/L	0.01	8270	JB	11/18/96
Benzo(a)pyrene	Not detected	mg/L	0.01	8270	JB	11/18/96
Bis(2-chloroethoxy)methane	Not detected	mg/L	0.01	8270	JB	11/18/96
Bis(2-chloroethyl)ether	Not detected	mg/L	0.01	8270	JB	11/18/96
Bis(2-chloroisopropyl)ether	Not detected	mg/L	0.01	8270	JB	11/18/96
Bis(2-ethylhexyl)phthalate	Not detected	mg/L	0.01	8270	JB	11/18/96
4-Bromophenyl phenyl ether	Not detected	mg/L	0.01	8270	JB	11/18/96
Butyl benzyl phthalate	Not detected	mg/L	0.01	8270	JB	11/18/96
2-Chloronaphthalene	Not detected	mg/L	0.01	8270	JB	11/18/96
4-Chloro-3-methylphenol	Not detected	mg/L	0.01	8270	JB	11/18/96
2-Chlorophenol	Not detected	mg/L	0.01	8270	JB	11/18/96
4-Chlorophenyl phenyl ether	Not detected	mg/L	0.01	8270	JB	11/18/96
Chrysene	Not detected	mg/L	0.01	8270	JB	11/18/96
Dibenzo(a,h)anthracene	Not detected	mg/L	0.01	8270	JB	11/18/96
Di-n-butyl phthalate	Not detected	mg/L	0.01	8270	JB	11/18/96
1,2-Dichlorobenzene	Not detected	mg/L	0.01	8270	JB	11/18/96
1,3-Dichlorobenzene	Not detected	mg/L	0.01	8270	JB	11/18/96
1,4-Dichlorobenzene	Not detected	mg/L	0.01	8270	JB	11/18/96
3,3'-Dichlorobenzidine	Not detected	mg/L	0.01	8270	JB	11/18/96
2,4-Dichlorophenol	Not detected	mg/L	0.01	8270	JB	11/18/96
Diethyl phthalate	Not detected	mg/L	0.01	8270	JB	11/18/96
Dimethyl phthalate	Not detected	mg/L	0.01	8270	JB	11/18/96
2,4-Dimethylphenol	Not detected	mg/L	0.01	8270	JB	11/18/96
2,4-Dinitrophenol	Not detected	mg/L	0.01	8270	JB	11/18/96
2,4-Dinitrotoluene	Not detected	mg/L	0.01	8270	JB	11/18/96
2,6-Dinitrotoluene	Not detected	mg/L	0.01	8270	JB	11/18/96

FECL

Analytical Laboratory Report
Lawhon & Associates, Inc.
November 20, 1996

FECL #: AA41365 (Continued)
Tag: Kilgore MW-2
Date/Time Collected: 11/08/96 13:00
Matrix: Wastewater

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Organics (Continued)						
Semi-Volatile Organics (Continued)						
Di-n-octyl phthalate	Not detected	mg/L	0.01	8270	JB	11/18/96
1,2-Diphenylhydrazine	Not detected	mg/L	0.01	8270	JB	11/18/96
Fluoranthene	Not detected	mg/L	0.01	8270	JB	11/18/96
Fluorene	Not detected	mg/L	0.01	8270	JB	11/18/96
Hexachlorobenzene	Not detected	mg/L	0.01	8270	JB	11/18/96
Hexachlorobutadiene	Not detected	mg/L	0.01	8270	JB	11/18/96
Hexachlorocyclopentadiene	Not detected	mg/L	0.01	8270	JB	11/18/96
Hexachloroethane	Not detected	mg/L	0.01	8270	JB	11/18/96
Ideno(1,2,3-cd)pyrene	Not detected	mg/L	0.01	8270	JB	11/18/96
Isophorone	Not detected	mg/L	0.01	8270	JB	11/18/96
phthalene	Not detected	mg/L	0.01	8270	JB	11/18/96
robenzene	Not detected	mg/L	0.01	8270	JB	11/18/96
2-Nitrophenol	Not detected	mg/L	0.01	8270	JB	11/18/96
4-Nitrophenol	Not detected	mg/L	0.01	8270	JB	11/18/96
N-Nitrosodimethylamine	Not detected	mg/L	0.01	8270	JB	11/18/96
N-Nitrosodiphenylamine	Not detected	mg/L	0.01	8270	JB	11/18/96
N-Nitrosodi-n-propylamine	Not detected	mg/L	0.01	8270	JB	11/18/96
Pentachlorophenol	Not detected	mg/L	0.01	8270	JB	11/18/96
2-Methyl-4,6-dinitrophenol	Not detected	mg/L	0.01	8270	JB	11/18/96
Phenol	Not detected	mg/L	0.01	8270	JB	11/18/96
Pyrene	Not detected	mg/L	0.01	8270	JB	11/18/96
1,2,4-Trichlorobenzene	Not detected	mg/L	0.01	8270	JB	11/18/96
2,4,6-Trichlorophenol	Not detected	mg/L	0.01	8270	JB	11/18/96
Phenanthrene	Not detected	mg/L	0.01	8270	JB	11/18/96
Volatile Organics						
Acrolein	Not detected	mg/L	0.001	8260	VFM	11/15/96
Acrylonitrile	Not detected	mg/L	0.001	8260	VFM	11/15/96
Benzene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Bromodichloromethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Bromoform	Not detected	mg/L	0.001	8260	VFM	11/15/96
Bromomethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Carbon tetrachloride	Not detected	mg/L	0.001	8260	VFM	11/15/96
Chlorobenzene	Not detected	mg/L	0.001	8260	VFM	11/15/96
loroethane	Not detected	mg/L	0.001	8260	VFM	11/15/96

FECL

alytical Laboratory Report
awhon & Associates, Inc.
November 20, 1996

FECL #: AA41365 (Continued)
Tag: Kilgore MW-2
Date/Time Collected: 11/08/96 13:00
Matrix: Wastewater

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Organics (Continued)						
Volatile Organics (Continued)						
2-Chloroethylvinyl ether	Not detected	mg/L	0.001	8260	VFM	11/15/96
Chloroform	Not detected	mg/L	0.001	8260	VFM	11/15/96
Chloromethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Dibromochloromethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Dibromomethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,4-Dichlorobenzene	Not detected	mg/L	0.001	8260	VFM	11/15/96
cis-1,3-Dichloropropene	Not detected	mg/L	0.001	8260	VFM	11/15/96
trans-1,3-Dichloropropene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Dichlorodifluoromethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,1-Dichloroethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
-Dichloroethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Dichloroethene	Not detected	mg/L	0.001	8260	VFM	11/15/96
trans-1,2-Dichloroethene	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,2-Dichloropropane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Ethylbenzene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Methylene chloride	Not detected	mg/L	0.001	8260	VFM	11/15/96
Styrene	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,1,2,2-Tetrachloroethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Tetrachloroethene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Toluene	0.001	mg/L	0.001	8260	VFM	11/15/96
1,1,1-Trichloroethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,1,2-Trichloroethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Trichloroethene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Trichlorofluoromethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,2,3-Trichloropropane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Vinyl chloride	Not detected	mg/L	0.001	8260	VFM	11/15/96
p,m-Xylene	Not detected	mg/L	0.001	8260	VFM	11/15/96
o-Xylene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Acetone	Not detected	mg/L	0.05	8260	VFM	11/15/96
2-Butanone (Methyl Ethyl Ketone)	Not detected	mg/L	0.05	8260	VFM	11/15/96
Carbon disulfide	Not detected	mg/L	0.05	8260	VFM	11/15/96
2-Hexanone	Not detected	mg/L	0.05	8260	VFM	11/15/96
4-Methyl-2-pentanone	Not detected	mg/L	0.05	8260	VFM	11/15/96
Vinyl acetate	Not detected	mg/L	0.05	8260	VFM	11/15/96

FECL

alytical Laboratory Report
Lawhon & Associates, Inc.
November 20, 1996

FECL #: AA41366
Tag: Kilgore MW-3
Date/Time Collected: 11/08/96 13:05
Matrix: Wastewater

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Organics						
BNA Extraction	Completed			625/8270	JKB	11/15/96
Semi-Volatile Organics						
Acenaphthene	Not detected	mg/L	0.01	8270	JB	11/18/96
Acenaphthylene	Not detected	mg/L	0.01	8270	JB	11/18/96
Anthracene	Not detected	mg/L	0.01	8270	JB	11/18/96
Benzidine	Not detected	mg/L	0.01	8270	JB	11/18/96
Benzo(a)anthracene	Not detected	mg/L	0.01	8270	JB	11/18/96
Benzo(b)fluoranthene	Not detected	mg/L	0.01	8270	JB	11/18/96
Benzo(k)fluoranthene	Not detected	mg/L	0.01	8270	JB	11/18/96
Benzo(ghi)perylene	Not detected	mg/L	0.01	8270	JB	11/18/96
nzo(a)pyrene	Not detected	mg/L	0.01	8270	JB	11/18/96
2-chloroethoxy)methane	Not detected	mg/L	0.01	8270	JB	11/18/96
Bis(2-chloroethyl)ether	Not detected	mg/L	0.01	8270	JB	11/18/96
Bis(2-chloroisopropyl)ether	Not detected	mg/L	0.01	8270	JB	11/18/96
Bis(2-ethylhexyl)phthalate	Not detected	mg/L	0.01	8270	JB	11/18/96
4-Bromophenyl phenyl ether	Not detected	mg/L	0.01	8270	JB	11/18/96
Butyl benzyl phthalate	Not detected	mg/L	0.01	8270	JB	11/18/96
2-Chloronaphthalene	Not detected	mg/L	0.01	8270	JB	11/18/96
4-Chloro-3-methylphenol	Not detected	mg/L	0.01	8270	JB	11/18/96
2-Chlorophenol	Not detected	mg/L	0.01	8270	JB	11/18/96
4-Chlorophenyl phenyl ether	Not detected	mg/L	0.01	8270	JB	11/18/96
Chrysene	Not detected	mg/L	0.01	8270	JB	11/18/96
Dibenzo(a,h)anthracene	Not detected	mg/L	0.01	8270	JB	11/18/96
Di-n-butyl phthalate	Not detected	mg/L	0.01	8270	JB	11/18/96
1,2-Dichlorobenzene	Not detected	mg/L	0.01	8270	JB	11/18/96
1,3-Dichlorobenzene	Not detected	mg/L	0.01	8270	JB	11/18/96
1,4-Dichlorobenzene	Not detected	mg/L	0.01	8270	JB	11/18/96
3,3'-Dichlorobenzidine	Not detected	mg/L	0.01	8270	JB	11/18/96
2,4-Dichlorophenol	Not detected	mg/L	0.01	8270	JB	11/18/96
Diethyl phthalate	Not detected	mg/L	0.01	8270	JB	11/18/96
Dimethyl phthalate	Not detected	mg/L	0.01	8270	JB	11/18/96
2,4-Dimethylphenol	Not detected	mg/L	0.01	8270	JB	11/18/96
2,4-Dinitrophenol	Not detected	mg/L	0.01	8270	JB	11/18/96
2,4-Dinitrotoluene	Not detected	mg/L	0.01	8270	JB	11/18/96
-Dinitrotoluene	Not detected	mg/L	0.01	8270	JB	11/18/96

FECL

Analytical Laboratory Report
Lawhon & Associates, Inc.
November 20, 1996

FECL #: AA41366 (Continued)
Tag: Kilgore MW-3
Date/Time Collected: 11/08/96 13:05
Matrix: Wastewater

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Organics (Continued)						
Semi-Volatile Organics (Continued)						
Di-n-octyl phthalate	Not detected	mg/L	0.01	8270	JB	11/18/96
1,2-Diphenylhydrazine	Not detected	mg/L	0.01	8270	JB	11/18/96
Fluoranthene	Not detected	mg/L	0.01	8270	JB	11/18/96
Fluorene	Not detected	mg/L	0.01	8270	JB	11/18/96
Hexachlorobenzene	Not detected	mg/L	0.01	8270	JB	11/18/96
Hexachlorobutadiene	Not detected	mg/L	0.01	8270	JB	11/18/96
Hexachlorocyclopentadiene	Not detected	mg/L	0.01	8270	JB	11/18/96
Hexachloroethane	Not detected	mg/L	0.01	8270	JB	11/18/96
Ideno(1,2,3-cd)pyrene	Not detected	mg/L	0.01	8270	JB	11/18/96
Isophorone	Not detected	mg/L	0.01	8270	JB	11/18/96
Naphthalene	Not detected	mg/L	0.01	8270	JB	11/18/96
Nitrobenzene	Not detected	mg/L	0.01	8270	JB	11/18/96
2-Nitrophenol	Not detected	mg/L	0.01	8270	JB	11/18/96
4-Nitrophenol	Not detected	mg/L	0.01	8270	JB	11/18/96
N-Nitrosodimethylamine	Not detected	mg/L	0.01	8270	JB	11/18/96
N-Nitrosodiphenylamine	Not detected	mg/L	0.01	8270	JB	11/18/96
N-Nitrosodi-n-propylamine	Not detected	mg/L	0.01	8270	JB	11/18/96
Pentachlorophenol	Not detected	mg/L	0.01	8270	JB	11/18/96
2-Methyl-4,6-dinitrophenol	Not detected	mg/L	0.01	8270	JB	11/18/96
Phenol	Not detected	mg/L	0.01	8270	JB	11/18/96
Pyrene	Not detected	mg/L	0.01	8270	JB	11/18/96
1,2,4-Trichlorobenzene	Not detected	mg/L	0.01	8270	JB	11/18/96
2,4,6-Trichlorophenol	Not detected	mg/L	0.01	8270	JB	11/18/96
Phenanthrene	Not detected	mg/L	0.01	8270	JB	11/18/96
Volatile Organics						
Acrolein	Not detected	mg/L	0.001	8260	VFM	11/15/96
Acrylonitrile	Not detected	mg/L	0.001	8260	VFM	11/15/96
Benzene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Bromodichloromethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Bromoform	Not detected	mg/L	0.001	8260	VFM	11/15/96
Bromomethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Carbon tetrachloride	Not detected	mg/L	0.001	8260	VFM	11/15/96
Chlorobenzene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Chloroethane	Not detected	mg/L	0.001	8260	VFM	11/15/96

FECL

lytical Laboratory Report
Lawhon & Associates, Inc.
November 20, 1996

FECL #: AA41366 (Continued)
Tag: Kilgore MW-3
Date/Time Collected: 11/08/96 13:05
Matrix: Wastewater

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Organics (Continued)						
Volatile Organics (Continued)						
2-Chloroethylvinyl ether	Not detected	mg/L	0.001	8260	VFM	11/15/96
Chloroform	Not detected	mg/L	0.001	8260	VFM	11/15/96
Chloromethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Dibromochloromethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Dibromomethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,4-Dichlorobenzene	Not detected	mg/L	0.001	8260	VFM	11/15/96
cis-1,3-Dichloropropene	Not detected	mg/L	0.001	8260	VFM	11/15/96
trans-1,3-Dichloropropene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Dichlorodifluoromethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,1-Dichloroethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Dichloroethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
ichloroethene	Not detected	mg/L	0.001	8260	VFM	11/15/96
trans-1,2-Dichloroethene	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,2-Dichloropropane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Ethylbenzene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Methylene chloride	Not detected	mg/L	0.001	8260	VFM	11/15/96
Styrene	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,1,2,2-Tetrachloroethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Tetrachloroethene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Toluene	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,1,1-Trichloroethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,1,2-Trichloroethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Trichloroethene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Trichlorofluoromethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,2,3-Trichloropropane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Vinyl chloride	Not detected	mg/L	0.001	8260	VFM	11/15/96
p,m-Xylene	Not detected	mg/L	0.001	8260	VFM	11/15/96
o-Xylene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Acetone	Not detected	mg/L	0.05	8260	VFM	11/15/96
2-Butanone (Methyl Ethyl Ketone)	Not detected	mg/L	0.05	8260	VFM	11/15/96
Carbon disulfide	Not detected	mg/L	0.05	8260	VFM	11/15/96
2-Hexanone	Not detected	mg/L	0.05	8260	VFM	11/15/96
4-Methyl-2-pentanone	Not detected	mg/L	0.05	8260	VFM	11/15/96
Vinyl acetate	Not detected	mg/L	0.05	8260	VFM	11/15/96

FECL

Analytical Laboratory Report
Lawhon & Associates, Inc.
November 20, 1996

FECL #: AA41367
Tag: Kilgore MW-4
Date/Time Collected: 11/08/96 13:30
Matrix: Wastewater

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Organics						
BNA Extraction	Completed			625/8270	JKB	11/15/96
Semi-Volatile Organics						
Acenaphthene	Not detected	mg/L	0.01	8270	JB	11/18/96
Acenaphthylene	Not detected	mg/L	0.01	8270	JB	11/18/96
Anthracene	Not detected	mg/L	0.01	8270	JB	11/18/96
Benzidine	Not detected	mg/L	0.01	8270	JB	11/18/96
Benzo(a)anthracene	Not detected	mg/L	0.01	8270	JB	11/18/96
Benzo(b)fluoranthene	Not detected	mg/L	0.01	8270	JB	11/18/96
Benzo(k)fluoranthene	Not detected	mg/L	0.01	8270	JB	11/18/96
Benzo(ghi)perylene	Not detected	mg/L	0.01	8270	JB	11/18/96
Benzo(a)pyrene	Not detected	mg/L	0.01	8270	JB	11/18/96
Bis(2-chloroethoxy)methane	Not detected	mg/L	0.01	8270	JB	11/18/96
Bis(2-chloroethyl)ether	Not detected	mg/L	0.01	8270	JB	11/18/96
Bis(2-chloroisopropyl)ether	Not detected	mg/L	0.01	8270	JB	11/18/96
Bis(2-ethylhexyl)phthalate	Not detected	mg/L	0.01	8270	JB	11/18/96
4-Bromophenyl phenyl ether	Not detected	mg/L	0.01	8270	JB	11/18/96
Butyl benzyl phthalate	Not detected	mg/L	0.01	8270	JB	11/18/96
2-Chloronaphthalene	Not detected	mg/L	0.01	8270	JB	11/18/96
4-Chloro-3-methylphenol	Not detected	mg/L	0.01	8270	JB	11/18/96
2-Chlorophenol	Not detected	mg/L	0.01	8270	JB	11/18/96
4-Chlorophenyl phenyl ether	Not detected	mg/L	0.01	8270	JB	11/18/96
Chrysene	Not detected	mg/L	0.01	8270	JB	11/18/96
Dibenzo(a,h)anthracene	Not detected	mg/L	0.01	8270	JB	11/18/96
Di-n-butyl phthalate	Not detected	mg/L	0.01	8270	JB	11/18/96
1,2-Dichlorobenzene	Not detected	mg/L	0.01	8270	JB	11/18/96
1,3-Dichlorobenzene	Not detected	mg/L	0.01	8270	JB	11/18/96
1,4-Dichlorobenzene	Not detected	mg/L	0.01	8270	JB	11/18/96
3,3'-Dichlorobenzidine	Not detected	mg/L	0.01	8270	JB	11/18/96
2,4-Dichlorophenol	Not detected	mg/L	0.01	8270	JB	11/18/96
Diethyl phthalate	Not detected	mg/L	0.01	8270	JB	11/18/96
Dimethyl phthalate	Not detected	mg/L	0.01	8270	JB	11/18/96
2,4-Dimethylphenol	Not detected	mg/L	0.01	8270	JB	11/18/96
2,4-Dinitrophenol	Not detected	mg/L	0.01	8270	JB	11/18/96
2,4-Dinitrotoluene	Not detected	mg/L	0.01	8270	JB	11/18/96
2,6-Dinitrotoluene	Not detected	mg/L	0.01	8270	JB	11/18/96

FECL

Analytical Laboratory Report
Lawhon & Associates, Inc.
November 20, 1996

FECL #: AA41367 (Continued)
Tag: Kilgore MW-4
Date/Time Collected: 11/08/96 13:30
Matrix: Wastewater

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Organics (Continued)						
Semi-Volatile Organics (Continued)						
Di-n-octyl phthalate	Not detected	mg/L	0.01	8270	JB	11/18/96
1,2-Diphenylhydrazine	Not detected	mg/L	0.01	8270	JB	11/18/96
Fluoranthene	Not detected	mg/L	0.01	8270	JB	11/18/96
Fluorene	Not detected	mg/L	0.01	8270	JB	11/18/96
Hexachlorobenzene	Not detected	mg/L	0.01	8270	JB	11/18/96
Hexachlorobutadiene	Not detected	mg/L	0.01	8270	JB	11/18/96
Hexachlorocyclopentadiene	Not detected	mg/L	0.01	8270	JB	11/18/96
Hexachloroethane	Not detected	mg/L	0.01	8270	JB	11/18/96
Ideno(1,2,3-cd)pyrene	Not detected	mg/L	0.01	8270	JB	11/18/96
Isophorone	Not detected	mg/L	0.01	8270	JB	11/18/96
Naphthalene	Not detected	mg/L	0.01	8270	JB	11/18/96
Nitrobenzene	Not detected	mg/L	0.01	8270	JB	11/18/96
2-Nitrophenol	Not detected	mg/L	0.01	8270	JB	11/18/96
4-Nitrophenol	Not detected	mg/L	0.01	8270	JB	11/18/96
N-Nitrosodimethylamine	Not detected	mg/L	0.01	8270	JB	11/18/96
N-Nitrosodiphenylamine	Not detected	mg/L	0.01	8270	JB	11/18/96
N-Nitrosodi-n-propylamine	Not detected	mg/L	0.01	8270	JB	11/18/96
Pentachlorophenol	Not detected	mg/L	0.01	8270	JB	11/18/96
2-Methyl-4,6-dinitrophenol	Not detected	mg/L	0.01	8270	JB	11/18/96
Phenol	Not detected	mg/L	0.01	8270	JB	11/18/96
Pyrene	Not detected	mg/L	0.01	8270	JB	11/18/96
1,2,4-Trichlorobenzene	Not detected	mg/L	0.01	8270	JB	11/18/96
2,4,6-Trichlorophenol	Not detected	mg/L	0.01	8270	JB	11/18/96
Phenanthrene	Not detected	mg/L	0.01	8270	JB	11/18/96
Volatile Organics						
Acrolein	Not detected	mg/L	0.001	8260	VFM	11/15/96
Acrylonitrile	Not detected	mg/L	0.001	8260	VFM	11/15/96
Benzene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Bromodichloromethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Bromoform	Not detected	mg/L	0.001	8260	VFM	11/15/96
Bromomethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Carbon tetrachloride	Not detected	mg/L	0.001	8260	VFM	11/15/96
Chlorobenzene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Chloroethane	Not detected	mg/L	0.001	8260	VFM	11/15/96

FECL

alytical Laboratory Report
Lawhon & Associates, Inc.
November 20, 1996

FECL #: AA41367 (Continued)
Tag: Kilgore MW-4
Date/Time Collected: 11/08/96 13:30
Matrix: Wastewater

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Organics (Continued)						
Volatile Organics (Continued)						
2-Chloroethylvinyl ether	Not detected	mg/L	0.001	8260	VFM	11/15/96
Chloroform	Not detected	mg/L	0.001	8260	VFM	11/15/96
Chloromethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Dibromochloromethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Dibromomethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,4-Dichlorobenzene	Not detected	mg/L	0.001	8260	VFM	11/15/96
cis-1,3-Dichloropropene	Not detected	mg/L	0.001	8260	VFM	11/15/96
trans-1,3-Dichloropropene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Dichlorodifluoromethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,1-Dichloroethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
-Dichloroethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Dichloroethene	Not detected	mg/L	0.001	8260	VFM	11/15/96
trans-1,2-Dichloroethene	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,2-Dichloropropane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Ethylbenzene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Methylene chloride	Not detected	mg/L	0.001	8260	VFM	11/15/96
Styrene	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,1,2,2-Tetrachloroethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Tetrachloroethene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Toluene	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,1,1-Trichloroethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,1,2-Trichloroethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Trichloroethene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Trichlorofluoromethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,2,3-Trichloropropane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Vinyl chloride	Not detected	mg/L	0.001	8260	VFM	11/15/96
p,m-Xylene	Not detected	mg/L	0.001	8260	VFM	11/15/96
o-Xylene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Acetone	Not detected	mg/L	0.05	8260	VFM	11/15/96
2-Butanone (Methyl Ethyl Ketone)	Not detected	mg/L	0.05	8260	VFM	11/15/96
Carbon disulfide	Not detected	mg/L	0.05	8260	VFM	11/15/96
2-Hexanone	Not detected	mg/L	0.05	8260	VFM	11/15/96
4-Methyl-2-pentanone	Not detected	mg/L	0.05	8260	VFM	11/15/96
Vinyl acetate	Not detected	mg/L	0.05	8260	VFM	11/15/96

FECL

lytical Laboratory Report
Lawhon & Associates, Inc.
November 20, 1996

FECL #: AA41368
Tag: TRIP BLANK
Date/Time Collected: 11/08/96
Matrix: Wastewater

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Organics						
Volatile Organics						
Acrolein	Not detected	mg/L	0.001	8260	VFM	11/15/96
Acrylonitrile	Not detected	mg/L	0.001	8260	VFM	11/15/96
Benzene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Bromodichloromethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Bromoform	Not detected	mg/L	0.001	8260	VFM	11/15/96
Bromomethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Carbon tetrachloride	Not detected	mg/L	0.001	8260	VFM	11/15/96
Chlorobenzene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Chloroethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
2-Chloroethylvinyl ether	Not detected	mg/L	0.001	8260	VFM	11/15/96
oroform	Not detected	mg/L	0.001	8260	VFM	11/15/96
omethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Dibromochloromethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Dibromomethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,4-Dichlorobenzene	Not detected	mg/L	0.001	8260	VFM	11/15/96
cis-1,3-Dichloropropene	Not detected	mg/L	0.001	8260	VFM	11/15/96
trans-1,3-Dichloropropene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Dichlorodifluoromethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,1-Dichloroethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,2-Dichloroethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,1-Dichloroethene	Not detected	mg/L	0.001	8260	VFM	11/15/96
trans-1,2-Dichloroethene	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,2-Dichloropropane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Ethylbenzene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Methylene chloride	Not detected	mg/L	0.001	8260	VFM	11/15/96
Styrene	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,1,2,2-Tetrachloroethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Tetrachloroethene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Toluene	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,1,1-Trichloroethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,1,2-Trichloroethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Trichloroethene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Trichlorofluoromethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
1 2,3-Trichloropropane	Not detected	mg/L	0.001	8260	VFM	11/15/96
vl chloride	Not detected	mg/L	0.001	8260	VFM	11/15/96

FECLO

alytical Laboratory Report
Lawhon & Associates, Inc.
November 20, 1996

FECL #: AA41368 (Continued)
Tag: TRIP BLANK
Date/Time Collected: 11/08/96
Matrix: Wastewater

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Organics (Continued)						
Volatile Organics (Continued)						
p,m-Xylene	Not detected	mg/L	0.001	8260	VFM	11/15/96
o-Xylene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Acetone	Not detected	mg/L	0.05	8260	VFM	11/15/96
2-Butanone (Methyl Ethyl Ketone)	Not detected	mg/L	0.05	8260	VFM	11/15/96
Carbon disulfide	Not detected	mg/L	0.05	8260	VFM	11/15/96
2-Hexanone	Not detected	mg/L	0.05	8260	VFM	11/15/96
4-Methyl-2-pentanone	Not detected	mg/L	0.05	8260	VFM	11/15/96
Vinyl acetate	Not detected	mg/L	0.05	8260	VFM	11/15/96

ECL #: AA41369
: Kilgore MW-1
Date/Time Collected: 11/11/96
Matrix: Wastewater

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Metals						
Arsenic	Not detected	mg/L	0.001	200.8	E B	11/13/96
Barium	0.12	mg/L	0.01	200.8	E B	11/13/96
Cadmium	Not detected	mg/L	0.0002	200.8	E B	11/13/96
Chromium	Not detected	mg/L	0.01	200.8	E B	11/13/96
Lead	Not detected	mg/L	0.003	200.8	E B	11/13/96
Mercury	Not detected	mg/L	0.0002	245.1	E B	11/15/96
Selenium	Not detected	mg/L	0.005	200.8	E B	11/13/96
Silver	Not detected	mg/L	0.0005	200.8	E B	11/13/96

FECL

ılytical Laboratory Report
Lawhon & Associates, Inc.
November 20, 1996

FECL #: AA41370
Tag: Kilgore MW-2
Date/Time Collected: 11/11/96 09:55
Matrix: Wastewater

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Metals						
Arsenic	Not detected	mg/L	0.001	200.8	E B	11/13/96
Barium	0.08	mg/L	0.01	200.8	E B	11/13/96
Cadmium	Not detected	mg/L	0.0002	200.8	E B	11/13/96
Chromium	Not detected	mg/L	0.01	200.8	E B	11/13/96
Lead	Not detected	mg/L	0.003	200.8	E B	11/13/96
Mercury	Not detected	mg/L	0.0002	245.1	E B	11/15/96
Selenium	0.024	mg/L	0.005	200.8	E B	11/13/96
Silver	Not detected	mg/L	0.0005	200.8	E B	11/13/96

FECL #: AA41371
ı: Kilgore MW-3
/Time Collected: 11/11/96 10:15
Matrix: Wastewater

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Metals						
Arsenic	0.003	mg/L	0.001	200.8	E B	11/13/96
Barium	0.08	mg/L	0.01	200.8	E B	11/13/96
Cadmium	0.0013	mg/L	0.0002	200.8	E B	11/13/96
Chromium	Not detected	mg/L	0.01	200.8	E B	11/13/96
Lead	Not detected	mg/L	0.003	200.8	E B	11/13/96
Mercury	Not detected	mg/L	0.0002	245.1	E B	11/15/96
Selenium	0.076	mg/L	0.005	200.8	E B	11/13/96
Silver	Not detected	mg/L	0.0005	200.8	E B	11/13/96

FECL

lytical Laboratory Report
Lawhon & Associates, Inc.
November 20, 1996

FECL #: AA41372
Tag: Kilgore MW-4
Date/Time Collected: 11/11/96 10:40
Matrix: Wastewater

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Metals						
Arsenic	0.003	mg/L	0.001	200.8	E B	11/13/96
Barium	0.03	mg/L	0.01	200.8	E B	11/13/96
Cadmium	Not detected	mg/L	0.0002	200.8	E B	11/13/96
Chromium	0.01	mg/L	0.01	200.8	E B	11/13/96
Lead	Not detected	mg/L	0.003	200.8	E B	11/13/96
Mercury	Not detected	mg/L	0.0002	245.1	E B	11/15/96
Selenium	Not detected	mg/L	0.005	200.8	E B	11/13/96
Silver	Not detected	mg/L	0.0005	200.8	E B	11/13/96

FECL #: AA41373
: FIELD BLANK
Time Collected: 11/11/96 09:10
Matrix: Wastewater

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Organics						
Volatile Organics						
Acrolein	Not detected	mg/L	0.001	8260	VFM	11/15/96
Acrylonitrile	Not detected	mg/L	0.001	8260	VFM	11/15/96
Benzene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Bromodichloromethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Bromoform	Not detected	mg/L	0.001	8260	VFM	11/15/96
Bromomethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Carbon tetrachloride	Not detected	mg/L	0.001	8260	VFM	11/15/96
Chlorobenzene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Chloroethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
2-Chloroethylvinyl ether	Not detected	mg/L	0.001	8260	VFM	11/15/96
Chloroform	Not detected	mg/L	0.001	8260	VFM	11/15/96
Chloromethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Dibromochloromethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Dibromomethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,4-Dichlorobenzene	Not detected	mg/L	0.001	8260	VFM	11/15/96
cis-1,3-Dichloropropene	Not detected	mg/L	0.001	8260	VFM	11/15/96
-1,3-Dichloropropene	Not detected	mg/L	0.001	8260	VFM	11/15/96

FECL

ıalytical Laboratory Report
Lawhon & Associates, Inc.
November 20, 1996

FECL #: AA41373 (Continued)
Tag: FIELD BLANK
Date/Time Collected: 11/11/96 09:10
Matrix: Wastewater

Analysis	Results	Units	MDL	Method	Analyst	Date Run
Organics (Continued)						
Volatile Organics (Continued)						
Dichlorodifluoromethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,1-Dichloroethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,2-Dichloroethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,1-Dichloroethene	Not detected	mg/L	0.001	8260	VFM	11/15/96
trans-1,2-Dichloroethene	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,2-Dichloropropane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Ethylbenzene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Methylene chloride	Not detected	mg/L	0.001	8260	VFM	11/15/96
Styrene	Not detected	mg/L	0.001	8260	VFM	11/15/96
ı,1,2,2-Tetrachloroethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
trachloroethene	Not detected	mg/L	0.001	8260	VFM	11/15/96
ıene	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,ı,1-Trichloroethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,1,2-Trichloroethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Trichloroethene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Trichlorofluoromethane	Not detected	mg/L	0.001	8260	VFM	11/15/96
1,2,3-Trichloropropane	Not detected	mg/L	0.001	8260	VFM	11/15/96
Vinyl chloride	Not detected	mg/L	0.001	8260	VFM	11/15/96
p,m-Xylene	Not detected	mg/L	0.001	8260	VFM	11/15/96
o-Xylene	Not detected	mg/L	0.001	8260	VFM	11/15/96
Acetone	Not detected	mg/L	0.05	8260	VFM	11/15/96
2-Butanone (Methyl Ethyl Ketone)	Not detected	mg/L	0.05	8260	VFM	11/15/96
Carbon disulfide	Not detected	mg/L	0.05	8260	VFM	11/15/96
2-Hexanone	Not detected	mg/L	0.05	8260	VFM	11/15/96
4-Methyl-2-pentanone	Not detected	mg/L	0.05	8260	VFM	11/15/96
Vinyl acetate	Not detected	mg/L	0.05	8260	VFM	11/15/96

FECL

ytical Laboratory Report
Lawhon & Associates, Inc.
November 20, 1996

Note: Methods may be modified for improved performance.
Results reported on a dry weight basis, where applicable.
Results relate only to items tested.
Report shall not be reproduced except in full, without the written approval of FECL.

Violetta F. Murshak

Violetta F. Murshak
Laboratory Director

FECL

ytical Laboratory Report
Lawhon & Associates, Inc.
November 20, 1996

Note: Methods may be modified for improved performance.
Results reported on a dry weight basis, where applicable.
Results relate only to items tested.
Report shall not be reproduced except in full, without the written approval of FECL.

Violetta F. Murshak

Violetta F. Murshak
Laboratory Director

Environmental Laboratories
The Science Company Since 1958

REQUEST FOR LABORATORY ANALYTICAL SERVICES

Purchase Order No.	BPEL Quote No.	Client Job No.
		6177006.002

SEND INVOICE TO
Name: Steve Gross
Company: LAWHON & ASSOCIATES, INC. Dept.:
Address: 6300 PROPRIETORS ROAD
City, State, Zip: WORTHINGTON OH 43085

REPORT RESULTS TO
Name: SAME Title: Project Manager
Company: Dept.:
Mailing Address:
City, State, Zip:
Telephone No.: 614-436-8400 Telefax No.: 614-438-5499

Date Results Req.: 11-18-96
Rush Charges Authorized? ☐ Yes ☒ No
Phone / Fax Results ☐ ☒

Check Regulatory Type
☐ NPDES ☐ UST
☐ SDWA ☐ FDA/USDA
☐ RCRA ☐ other
☐ Collected in VAP State of OHIO

Special Instructions:
VAP Cert. Analysis

CLIENT SAMPLE IDENTIFICATION	DATE SAMPLED	TIME	COMP	GRAB	SAMPLE TYPE (MATRIX)	Number of Containers	VOC's	5 VOC's PLUS BTEX & METALS	LAB ONLY
Kilgore MW-1 41364	11/8/96	12:30		X	WTR		X	X	
Kilgore MW-2 41365	11/8/96	15:00		X	WTR		X	X	
Kilgore MW-3 41366	11/8/96	13:05		X	WTR		X	X	
Kilgore MW-4 41367	11/8/96	13:30		X	WTR		X	X	
TRIP Blank 41368					WTR	2	X		
Kilgore MW-1 41369	11/11/96	920		X	WTR	1		X	
Kilgore MW-2 41370	11/11/96	955		X	WTR	1		X	
Kilgore MW-3 41371	11/11/96	1015		X	WTR	1		X	
Kilgore MW-4 41372	11/11/96	1040		X	WTR	1		X	
Field Blank 41373	11/11/96	910		X	WTR	2	X		

Received 11/13/96 11:30AM

CHAIN OF CUSTODY (If required)
Relinquished by: Date/Time
Relinquished by: Date/Time
Method of Shipment:
Received by: Date/Time
Received at lab by: Date/Time

Authorized by: Steve Gross (Client Signature Must Accompany Request) Date 11/11/96

Comments: Samplers: Steve Gross Kevin Patton

Please return completed form and samples to Belmonte Park Laboratories • 11 East Main Street • Dayton, Ohio 45426 • (937) 837-3744

DISTRIBUTION:
WHITE - Laboratory
YELLOW - Accounting
PINK - Client Retains

OC 010483

Appendix C

IRIS Data

0094
Prometon; CASRN 1610-18-0 (03/01/97)

Health assessment information on a chemical substance is included in IRIS only after a comprehensive review of chronic toxicity data by U.S. EPA health scientists from several Program Offices and the Office of Research and Development. The summaries presented in Sections I and II represent a consensus reached in the review process. Background information and explanations of the methods used to derive the values given in IRIS are provided in the Background Documents.

STATUS OF DATA FOR Prometon

File On-Line 01/31/87

Category (section)	Status	Last Revised
Oral RfD Assessment (I.A.)	on-line	01/01/92
Inhalation RfC Assessment (I.B.)	no data	
Carcinogenicity Assessment (II.)	no data	

==========

_I. CHRONIC HEALTH HAZARD ASSESSMENTS FOR NONCARCINOGENIC EFFECTS

__I.A. REFERENCE DOSE FOR CHRONIC ORAL EXPOSURE (RfD)

Substance Name -- Prometon
CASRN -- 1610-18-0
Last Revised -- 01/01/92

The oral Reference Dose (RfD) is based on the assumption that thresholds exist for certain toxic effects such as cellular necrosis. It is expressed in units of mg/kg-day. In general, the RfD is an estimate (with uncertainty spanning perhaps an order of magnitude) of a daily exposure to the human population (including sensitive subgroups) that is likely to be without an appreciable risk of deleterious effects during a lifetime. Please refer to the Background Document for an elaboration of these concepts. RfDs can also be derived for the noncarcinogenic health effects of substances that are also carcinogens. Therefore, it is essential to refer to other sources of information concerning the carcinogenicity of this substance. If the U.S. EPA has evaluated this substance for potential human carcinogenicity, a summary of that evaluation will be contained in Section II of this file.

___I.A.1. ORAL RfD SUMMARY

Critical Effect	Experimental Doses*	UF	MF	RfD
No treatment related effects observed	NOAEL: 300 ppm (15 mg/kg/day)	1000	1	1.5E-2 mg/kg/day
Subchronic Rat Feeding Study	LOAEL: none			
Ciba-Geigy, 1982a				

OC 010485

http://www.epa.gov/ngispgm3/iris/irisdat/0094.DAT

---

*Dose Conversion Factors & Assumptions: 1 ppm = 0.05 mg/kg/day (assumed rat food consumption)

___I.A.2. PRINCIPAL AND SUPPORTING STUDIES (ORAL RfD)

Ciba-Geigy Corporation. 1982a. MRID No. 00129985, 00148609; HED Doc. No. 003700, 004781. Available from EPA. Write to FOI, EPA, Washington D.C. 20460.

Thirty Sprague-Dawley rats/sex/group were fed diets containing 0, 10, 50, 100, and 300 ppm technical-grade prometon (98% active ingredient) for 90 days. No treatment-related effects were demonstrated at levels up to 300 ppm (HDT).

___I.A.3. UNCERTAINTY AND MODIFYING FACTORS (ORAL RfD)

UF -- An uncertainty factor of 1000 was used to account for the inter- and intraspecies differences and for the lack of a chronic study.

MF -- None

___I.A.4. ADDITIONAL COMMENTS (ORAL RfD)

Although it appears that maternal toxicity (weight) was observed at 3.5 mg/kg/day in the teratology study, the use of this NOEL was not considered appropriate since the material was administered by gavage, maternal weight is a doubtful indicator in rabbits, and compound administration in teratology studies was of short but acute duration. Moreover, significant new studies are in progress, and the RfD should be reviewed once they are completed.

Data Considered for Establishing the RfD

1) 90-Day Feeding - rat: Principal study - see discussion above; core grade minimum

2) Teratology - rat: Maternal NOEL=120 mg/kg/day; Maternal LEL=360 mg/kg/day (decreased weight gain); Fetotoxic NOEL=360 mg/kg/day (HDT); core grade minimum (Ciba-Geigy, 1981)

3) Teratology - rabbit: Maternal NOEL=3.5 mg/kg/day; Maternal LEL=24.5 mg/kg/day (decreased weight); Fetotoxic NOEL=24.5 mg/kg/day (HDT); core grade minimum (Ciba-Geigy, 1982b)

4) 4-Week Feeding - dog: LEL=1000 ppm (25 mg/kg/day) (LDT) (reduced body weight gain); core grade supplementary (Ciba-Geigy, 1976a)

Data Gap(s): Chronic Rat Feeding Study; Chronic Dog Feeding Study; Rat Reproduction Study

Other Data Reviewed

1) 4-Week Feeding - rat: NOEL=600 ppm (30 mg/kg/day); LEL=1000 ppm (50 mg/kg/day) (reduced body gain); core grade supplementary (Ciba-Geigy, 1976b)

___I.A.5. CONFIDENCE IN THE ORAL RfD

Study -- Medium

OC 010486

http://www.epa.gov/ngispgm3/iris/irisdat/0094.DAT

Data Base -- Low
RfD -- Low

The principal study appears to be of fair quality and is given a medium confidence rating. The data base for prometon is lacking three important studies; therefore, the data base is given a low confidence rating. Low confidence in the RfD follows.

___I.A.6. EPA DOCUMENTATION AND REVIEW OF THE ORAL RfD

Pesticide Registation Files

Agency Work Group Review -- 05/30/86

Verification Date -- 05/30/86

___I.A.7. EPA CONTACTS (ORAL RfD)

Please contact the Risk Information Hotline for all questions concerning this assessment or IRIS, in general, at (513)569-7254 (phone), (513)569-7159 (FAX) or RIH.IRIS@EPAMAIL.EPA.GOV (internet address).

__I.B. REFERENCE CONCENTRATION FOR CHRONIC INHALATION EXPOSURE (RfC)

Substance Name -- Prometon
CASRN -- 1610-18-0

Not available at this time.

==========

_II. CARCINOGENICITY ASSESSMENT FOR LIFETIME EXPOSURE

Substance Name -- Prometon
CASRN -- 1610-18-0

This substance/agent has not been evaluated by the U.S. EPA for evidence of human carcinogenic potential.

==========

_VI. BIBLIOGRAPHY

Substance Name -- Prometon
CASRN -- 1610-18-0
Last Revised -- 01/01/92

__VI.A. ORAL RfD REFERENCES

OC 010487

Ciba-Geigy Corporation. 1976a. MRID No. 00054309; HED Doc. No. 000712. Available from EPA. Write to FOI, EPA, Washington D.C. 20460.

Ciba-Geigy Corporation. 1976b. MRID No. 00054308; HED Doc. No. 000712. Available from EPA. Write to FOI, EPA, Washington D.C. 20460.

Ciba-Geigy Corporation. 1981. MRID No. 00129983, 00148609; HED Doc. No. 003700, 004781. Available from EPA. Write to FOI, EPA, Washington D.C. 20460.

Ciba-Geigy Corporation. 1982a. MRID No. 00129985, 00148609; HED Doc. No. 003700, 004781. Available from EPA. Write to FOI, EPA, Washington D.C. 20460.

Ciba-Geigy Corporation. 1982b. MRID No. 00129984, 00148609; HED Doc. No. 003700, 004781. Available from EPA. Write to FOI, EPA, Washington D.C. 20460.

VI.B. INHALATION RfC REFERENCES

None

VI.C. CARCINOGENICITY ASSESSMENT REFERENCES

None

==========

VII. REVISION HISTORY

Substance Name -- Prometon
CASRN -- 1610-18-0

Date	Section	Description
03/01/88	I.A.1.	Dose conversion clarified
01/01/92	I.A.4.	Citations added
01/01/92	VI.	Bibliography on-line
01/01/92	IV.	Regulatory Action section on-line

==========

SYNONYMS

Substance Name -- Prometon
CASRN -- 1610-18-0

OC 010488

http://www.epa.gov/ngispgm3/iris/irisdat/0094.DAT

Last Revised -- 01/31/87

1610-18-0
2,4-BIS(ISOPROPYLAMINO)-6-METHOXY-s-TRIAZINE
2,6-DIISOPROPYLAMINO-4-METHOXYTRIAZINE
G-31435
GESAFRAM
GESAFRAM 50
2-METHOXY-4,6-BIS(ISOPROPYLAMINO)-1,3,5-TRIAZINE
2-METHOXY-4,6-BIS(ISOPROPYLAMINO)-s-TRIAZINE
METHOXYPROPAZINE
ONTRACIC 800
ONTRACK
ONTRACK-WE-2
PRAMITOL
PRIMATOL
PRIMATOL 25E
Prometon
PROMETONE
s-TRIAZINE, 2,4-BIS(ISOPROPYLAMINO)-6-METHOXY-

OC 010489

http://www.epa.gov/ngispgm3/iris/irisdat/0057.DAT

0057
Glyphosate; CASRN 1071-83-6 (03/01/97)

Health assessment information on a chemical substance is included in IRIS only after a comprehensive review of chronic toxicity data by U.S. EPA health scientists from several Program Offices and the Office of Research and Development. The summaries presented in Sections I and II represent a consensus reached in the review process. Background information and explanations of the methods used to derive the values given in IRIS are provided in the Background Documents.

STATUS OF DATA FOR Glyphosate

File On-Line 01/31/87

Category (section)	Status	Last Revised
Oral RfD Assessment (I.A.)	on-line	09/01/90
Inhalation RfC Assessment (I.B.)	no data	
Carcinogenicity Assessment (II.)	on-line	10/01/93

==========

_I. CHRONIC HEALTH HAZARD ASSESSMENTS FOR NONCARCINOGENIC EFFECTS

__I.A. REFERENCE DOSE FOR CHRONIC ORAL EXPOSURE (RfD)

Substance Name -- Glyphosate
CASRN -- 1071-83-6
Last Revised -- 09/01/90

The oral Reference Dose (RfD) is based on the assumption that thresholds exist for certain toxic effects such as cellular necrosis. It is expressed in units of mg/kg-day. In general, the RfD is an estimate (with uncertainty spanning perhaps an order of magnitude) of a daily exposure to the human population (including sensitive subgroups) that is likely to be without an appreciable risk of deleterious effects during a lifetime. Please refer to the Background Document for an elaboration of these concepts. RfDs can also be derived for the noncarcinogenic health effects of substances that are also carcinogens. Therefore, it is essential to refer to other sources of information concerning the carcinogenicity of this substance. If the U.S. EPA has evaluated this substance for potential human carcinogenicity, a summary of that evaluation will be contained in Section II of this file.

___I.A.1. ORAL RfD SUMMARY

Critical Effect	Experimental Doses*	UF	MF	RfD
Increased incidence of renal tubular dilation in F3b offspring.	NOEL: 10 mg/kg/day LEL: 30 mg/kg/day	100	1	1E-1 mg/kg/day

3-Generation Rat
Reproduction Study

OC 010490

http://www.epa.gov/ngispgm3/iris/irisdat/0057.DAT

Monsanto Co., 1981a

---

*Conversion Factors: Actual dose tested

___I.A.2. PRINCIPAL AND SUPPORTING STUDIES (ORAL RfD)

Monsanto Company. 1981a. MRID No. 0081674, 00105995. Available from EPA. Write to FOI, EPA, Washington, DC 20460.

Rats (CD Sprague-Dawley) were administered glyphosate continuously for three successive generations. Dietary concentrations of glyphosate were adjusted weekly during growth, and between mating rest periods to achieve dose levels of 0, 3, 10, and 30 mg/kg/day. Each generation (F0, F1, F2) consisted of 12 male and 24 female rats. Each parent generation was mated to produce to litters. Offspring from the second litters of the F0 and F1 parents (F1b and F2b litters, respectively) were selected to be parents for subsequent generations. Offspring not included in the selection procedure and offspring from the first litter intervals of each generation (F1a, F2a, F3a) were given a gross postmortem examination and discarded. Randomly selected offspring from the second litters of the F2 generation (F3b litters) were given a gross postmortem examination and selected tissues taken and saved. Subsequently tissues from control and high-dose F3b offspring were evaluated microscopically (10/sex/group). Tissues from control and high-dose parent generations parent generations (F0, F1, and F2) were also evaluated.

No treatment-related effects on fertility were noted, nor were any systemic effects in adult rats apparent. Male pups from the F3b mating of the high dose group (30 mg/kg/day) showed an increase in the incidence of unilateral renal tubular dilation. Based on this finding, the NOEL and LEL for this study are 10 and 30 mg/kg/day, respectively.

___I.A.3. UNCERTAINTY AND MODIFYING FACTORS (ORAL RfD)

UF -- An uncertainty factor of 100 was used to account for the inter- and intraspecies differences.

MF -- None

___I.A.4. ADDITIONAL COMMENTS (ORAL RfD)

Data Considered for Establishing the RfD

1) Reproduction - rat: Principal study - see previous description; core grade minimum

2) 2-Year Feeding (oncogenicity) - rat: Dietary levels tested: 0, 30, 100, and 300 ppm (Male: 0, 3.05, 10.3, and 31.39 mg/kg/day; Female: 0, 3.37, 11.22, and 34.02 mg/kg/day; Groups of Sprague-Dawley rats (50/sex/dose) were fed glyphosate in the diet for 2 years. No effect on clinical signs, body weights, or mortality was noted. No effects on clinical pathology or organ pathology was apparent. Therefore, the NOEL for systemic toxicity is 300 ppm (Male: 31.39 mg/kg/day; Female: 34.02 mg/kg/day), the highest dose tested; core grade minimum for chronic feeding (Monsanto Co., 1981b)

3) 1-Year Feeding - dog: Dietary levels tested: 0, 20, 100, and 500 mg/kg/day; Groups of beagle dogs (6/sex/dose) were administered glyphosate by gelatin capsules for 1 year. A decrease in absolute and relative pituitary weights were observed in mid- and high-dose male dogs. Based on these

OC 010491

findings, the NOEL and LEL for systemic toxicity are 20 and 100 mg/kg/day; core grade guideline (Monsanto Co., 1985)

4) Developmental Toxicity - rat: Dose levels tested: 0, 300, 1000 and 3500 mg/kg/day; Groups of pregnant Charles River COBS CD rats (25/dose) were administered glyphosate orally by gavage as a single daily dose on days 6 through 19 of gestation. A definite reduced mean maternal body weight gain was noted in the 3500 mg/kg/day dose group over the treatment period due to mean maternal body weight loss during the first 3 days of treatment. At 3500 mg/kg/day a statistically significant increase in the mean number of early resorptions resulted in a slight increase in mean postimplantation loss. A statistically significant decrease in the mean number of total implantations, viable fetuses, and mean fetal body weight and a slight decrease in the mean number of corpora lutea was noted in this group. Based on these findings, the NOEL and LEL for maternal toxicity are 1000 and 3500 mg/kg/day, respectively. An increase in the number of litters and fetuses with unossified sternebrae was noted in the 3500 mg/kg/day dose group. Based on this finding, the NOEL and LEL for developmental toxicity are 1000 and 3500 mg/kg/day, respectively; core grade minimum (Monsanto Co., 1980a)

5) Developmental Toxicity - rabbit: Dose levels tested: 0, 75, 175, and 350 mg/kg/day; Groups of pregnant Dutch Belted rabbits (16/dose) were administered glyphosate orally by gavage as a single daily dose on days 6 through 27 of gestation. A slight increase in the incidence of soft stools and diarrhea was noted in the 175 mg/kg/day group and a definite increase in these signs and nasal discharge were noted in the 350 mg/kg/day group. Based on these findings, the NOEL and LEL for maternal toxicity are 175 and 350 mg/kg/day, respectively. No developmental toxicity effects were noted at any dose tested. Therefore, the NOEL for developmental toxicity is equal to or greater than 350 mg/kg/day; core grade minimum (Monsanto Co., 1980b)

Data Gap(s): None

___I.A.5. CONFIDENCE IN THE ORAL RfD

Study -- High
Data Base -- High
RfD -- High

The quality of the chosen study is good; therefore, it receives a high confidence rating. The quantity and quality of the available supporting studies warrant high confidence in the data base. High confidence in the RfD follows.

___I.A.6. EPA DOCUMENTATION AND REVIEW OF THE ORAL RfD

Office of Pesticide Programs Files

Agency Work Group Review -- 03/11/86

Verification Date -- 03/11/86

___I.A.7. EPA CONTACTS (ORAL RfD)

Please contact the Risk Information Hotline for all questions concerning this assessment or IRIS, in general, at (513)569-7254 (phone), (513)569-7159 (FAX) or RIH.IRIS@EPAMAIL.EPA.GOV (internet address).

OC 010492

__I.B. REFERENCE CONCENTRATION FOR CHRONIC INHALATION EXPOSURE (RfC)

Substance Name -- Glyphosate
CASRN -- 1071-83-6

Not available at this time.

==========

_II. CARCINOGENICITY ASSESSMENT FOR LIFETIME EXPOSURE

Substance Name -- Glyphosate
CASRN -- 1071-83-6
Last Revised -- 10/01/93

Section II provides information on three aspects of the carcinogenic assessment for the substance in question; the weight-of-evidence judgment of the likelihood that the substance is a human carcinogen, and quantitative estimates of risk from oral exposure and from inhalation exposure. The quantitative risk estimates are presented in three ways. The slope factor is the result of application of a low-dose extrapolation procedure and is presented as the risk per (mg/kg)/day. The unit risk is the quantitative estimate in terms of either risk per ug/L drinking water or risk per ug/cu.m air breathed. The third form in which risk is presented is a drinking water or air concentration providing cancer risks of 1 in 10,000, 1 in 100,000 or 1 in 1,000,000. The rationale and methods used to develop the carcinogenicity information in IRIS are described in The Risk Assessment Guidelines of 1986 (EPA/600/8-87/045) and in the IRIS Background Document. IRIS summaries developed since the publication of EPA's more recent Proposed Guidelines for Carcinogen Risk Assessment also utilize those Guidelines where indicated (Federal Register 61(79):17960-18011, April 23, 1996). Users are referred to Section I of this IRIS file for information on long-term toxic effects other than carcinogenicity.

__II.A. EVIDENCE FOR CLASSIFICATION AS TO HUMAN CARCINOGENICITY

___II.A.1. WEIGHT-OF-EVIDENCE CLASSIFICATION

Classification -- D; not classifiable as to human carcinogenicity

Basis -- Inadequate evidence for oncogenicity in animals. Glyphosate was originally classified as C, possible human carcinogen, on the basis of increased incidence of renal tumors in mice. Following independent review of the slides the classification was changed to D on the basis of a lack of statistical significance and uncertainty as to a treatment-related effect.

___II.A.2. HUMAN CARCINOGENICITY DATA

None.

___II.A.3. ANIMAL CARCINOGENICITY DATA

OC 010493

http://www.epa.gov/ngispgm3/iris/irisdat/0057.DAT

Inadequate. Charles River CD-1 mice (50/sex/dose level) were fed diets containing glyphosate at dose levels of 0, 1000, 5000, or 30,000 ppm for 24 months. The incidence of renal tubule adenomas observed in the male mice exceeded that of the controls (0/49 controls; 0/49 low-dose; 1/50 mid-dose; 3/50 high-dose). A re-evaluation of the renal tumor slides prepared from the male mice indicated the presence of an additional adenoma in the control group and malignant tumors in the two higher dose groups. Therefore, the incidences of the reevaluated data are 1/49 control adenoma; 0/49 low; 1/50 mid, carcinoma; 3/50 high, 1 adenoma, 2 carcinomas. It was the judgment of two reviewing pathologists that the renal tumors were not treatment-related. In addition, the inclusion of a tumor in the control group eliminated statistical significance for the high-dose group.

In a 26-month study Sprague-Dawley (CD) rats, 50/sex/dose were fed 0, 30, 100, or 300 ppm glyphosate in the diet. The study is being repeated to include the MTD. There were some thyroid tumors, which were considered of normal incidence. Power to detect an effect was reduced since a MTD was not demonstrated, and the highest dose tested was less than 1/100 of the high dose in the mice (Monsanto, 1981). OPP has requested that the study be repeated on the basis of the degree of species difference in the highest dose tested and the possibility that higher doses (MTD) might produce additional tumors.

___II.A.4. SUPPORTING DATA FOR CARCINOGENICITY

Glyphosate was not mutagenic for Salmonella, E. coli or Chinese hamster ovary cells. It was also negative in DNA repair assays in Bacillus subtilis and hepatocyte cultures.

__II.B. QUANTITATIVE ESTIMATE OF CARCINOGENIC RISK FROM ORAL EXPOSURE

Not available.

__II.C. QUANTITATIVE ESTIMATE OF CARCINOGENIC RISK FROM INHALATION EXPOSURE

Not available.

__II.D. EPA DOCUMENTATION, REVIEW, AND CONTACTS (CARCINOGENICITY ASSESSMENT)

___II.D.1. EPA DOCUMENTATION

Source Document -- U.S. EPA, 1985

The Toxicology Branch Peer Review Committee reviewed data on glyphosate.

___II.D.2. REVIEW (CARCINOGENICITY ASSESSMENT)

Agency Work Group Review -- 03/16/88, 08/15/88

OC 010494

Verification Date -- 08/15/88

___II.D.3. U.S. EPA CONTACTS (CARCINOGENICITY ASSESSMENT)

Please contact the Risk Information Hotline for all questions concerning this assessment or IRIS, in general, at (513)569-7254 (phone), (513)569-7159 (FAX) or RIH.IRIS@EPAMAIL.EPA.GOV (internet address).

==========

_VI. BIBLIOGRAPHY

Substance Name -- Glyphosate
CASRN -- 1071-83-6
Last Revised -- 09/01/90

__VI.A. ORAL RfD REFERENCES

Monsanto Company. 1981a. MRID No. 0081674, 00105995.
Available from EPA. Write to FOI, EPA, Washington, DC 20460.

Monsanto Company. 1981b. MRID No. 00093879.
Available from EPA. Write to FOI, EPA, Washington, DC 20460.

Monsanto Company. 1985. MRID No. 00153374.
Available from EPA. Write to FOI, EPA, Washington, DC 20460.

Monsanto Company. 1980a. MRID No. 00046362.
Available from EPA. Write to FOI, EPA, Washington, DC 20460.

Monsanto Company. 1980b. MRID No. 00046363.
Available from EPA. Write to FOI, EPA, Washington, DC 20460.

__VI.B. INHALATION RfC REFERENCES

None

__VI.C. CARCINOGENICITY ASSESSMENT REFERENCES

Monsanto and Company. 1981. MRID No. 00093879. Available from EPA. Write to FOI, EPA, Washington D.C. 20460.

U.S. EPA. 1985. Toxicology Branch Peer Review Committee memorandum on glyphosate, March 4, 1985.

==========

OC 010495

_VII. REVISION HISTORY

Substance Name -- Glyphosate
CASRN -- 1071-83-6

Date	Section	Description
03/31/87	IV.	Regulatory Action section on-line
03/01/88	I.A.4.	Core grades added
10/01/89	II.	Carcinogen summary on-line
10/01/89	VI.	Bibliography on-line
09/01/90	I.A.	Text edited
09/01/90	I.A.4.	Citations added
09/01/90	III.A.	Health Advisory on-line
09/01/90	VI.A.	Oral RfD references added
09/01/90	VI.D.	Health Advisory references added
01/01/92	IV.	Regulatory actions updated
10/01/93	II.D.3.	Primary contact changed

==========

SYNONYMS

Substance Name -- Glyphosate
CASRN -- 1071-83-6
Last Revised -- 01/31/87

1071-83-6
GLYCINE, N-(PHOSPHONOMETHYL)-
Glyphosate
MON 0573
N-(PHOSPHONOMETHYL)GLYCINE

OC 010496

Appendix D

Pesticide Degradation Calculations

Assumptions

1) Half life represents a first-order decay
2) 2,4-D applied from 1960 to 1974
3) Roundup applied from 1975 to 1995

2,4-D Estimate

$$Residual\_2\_4D := \left[\sum_{i=1}^{14} \frac{30}{(2000 \cdot 1100)} \cdot e^{-0.693 \cdot \frac{i}{5}} \right] \cdot e^{-0.693 \cdot \frac{13}{5}}$$

14 year application, up to 13 years ago

$$Residual\_2\_4D = 1.3 \cdot 10^{-5}$$

Glyphosate Estimate

$$Residual\_glyphosate := \left[\sum_{i=1}^{10} \frac{1.5}{(2000 \cdot 1100)} \cdot e^{-0.693 \cdot 6 \cdot i} \right] \cdot e^{-0.693 \cdot 6 \cdot 2}$$

11 year application
up to
2 years ago

$$Residual\_glyphosate = 2.65 \cdot 10^{-12}$$

Appendix E

Temik® Pesticide Label

RESTRICTED USE PESTICIDE

ACUTE TOXICITY and GROUND WATER CONTAMINATION

For retail sale to and use only by Certified Applicators or persons under the direct supervision of a Certified Applicator, and only for those uses covered by the Certified Applicator's certification.

TEMIK® brand 15G ALDICARB PESTICIDE

For Control of Certain Insects, Mites, and Nematodes

ACTIVE INGREDIENT: Aldicarb [2-methyl-2-(methylthio) propionaldehyde O-(methylcarbamoyl)oxime] 15%

INERT INGREDIENTS: 85%

EPA Reg. No. 264-330 EPA Est. No. 264-GA-01

KEEP OUT OF REACH OF CHILDREN

DANGER POISON

PELIGRO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.
(If you do not understand the label, find someone to explain it to you in detail.)

For MEDICAL and TRANSPORTATION Emergencies ONLY Call 24 Hours A Day 1-800-334-7577
For PRODUCT USE Information Call 1-800-334-9745

SUPPLEMENTAL LABEL

STATEMENT OF PRACTICAL TREATMENT

Aldicarb is a n-methyl carbamate.

IF SWALLOWED: Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything orally to an unconscious or convulsing person. Call a physician and follow General advice.

IF IN EYES: Flush eyes with plenty of water and get medical attention.

IF ON SKIN: Wash thoroughly with soap and water.

IF INHALED: Call a physician and follow General advice.

GENERAL

Contact a physician immediately in all cases of suspected poisoning. Illness may be produced rapidly following overexposure to TEMIK® Aldicarb. If breathing stops, establish an airway and start artificial respiration, and provide oxygen. Make certain to remove all sources of continuing contamination. Remove clothing and wash skin and hair immediately with large amounts of water. Transport the patient to a physician or hospital immediately and SHOW A COPY OF THIS LABEL TO THE PHYSICIAN. If poisoning is suspected in animals, contact a veterinarian.

ANTIDOTE STATEMENT

ATROPINE SULFATE IS HIGHLY EFFECTIVE AS AN ANTIDOTE. See NOTE TO PHYSICIAN.

NOTE TO PHYSICIAN

TEMIK® brand aldicarb is a n-methyl carbamate insecticide which is a cholinesterase inhibitor. Overexposure to this substance may cause toxic signs and symptoms due to stimulation of the cholinergic nervous system. These effects of overexposure are spontaneously and rapidly reversible.

Gastric lavage may be used if this product has been swallowed. TEMIK® brand aldicarb poisoning may occur rapidly after ingestion and prompt removal of stomach contents is indicated.

Specific treatment consists of the administration of parenteral atropine sulfate. Caution should be exercised to prevent overatropinization. Mild cases may be given 1 to 2 mg intramuscularly every 10 minutes until full atropinization has been achieved and repeated thereafter whenever symptoms reappear. Severe cases should be given 2 to 4 mg intravenously every 10 minutes until the patient is fully atropinized, then intramuscularly every 30 to 60 minutes as needed to maintain the effect for at least 12 hours. Dosages for children should be appropriately reduced. Complete recovery from overexposure is to be expected within 24 hours.

Narcotics and other sedatives should not be used. Further, drugs such as (pyridine-2-aldoxime methiodide) are NOT recommended unless organophosphate intoxication is also suggested.

To aid in confirmation of a diagnosis, urine samples must be obtained within 24 hours of exposure and immediately frozen. Analyses will be arranged by Rhône-Poulenc Ag Company.

Consultation on therapy can be obtained at all hours by calling the Rhône-Poulenc emergency number: 1-800-334-7577.

OC 010500

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS
DANGER

FATAL IF SWALLOWED. *Causes cholinesterase inhibition. May be fatal or harmful by skin or eye contact or by breathing dust.* Rapidly absorbed through skin or eyes. Do not get on skin or in eyes. Do not breathe dust. Keep away from domestic animals.

Always stand up-wind from hopper when loading.

SIGNS AND SYMPTOMS OF OVEREXPOSURE:

Salivation, Muscle tremor, Nausea, Watery eyes, Difficult breathing, Vomiting, Pinpoint eye pupils, Excessive sweating, Diarrhea, Blurred vision, Abdominal cramps, Weakness, Headache,

In severe cases, convulsions, unconsciousness, and respiratory failure may occur.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Applicators and other handlers must wear coveralls over short-sleeved shirts and short pants, waterproof gloves, chemical-resistant footwear plus socks, chemical-resistant headgear for overhead exposure, protective eye wear, chemical-resistant apron when cleaning equipment, mixing or loading and a dust/mist filtering respirator (MSHA/NIOSH D/M approval number prefix TC-21C).

Follow manufacturer's instructions for cleaning/maintaining PPE. Keep and wash PPE separately from other laundry. Wash contaminated clothing in strong washing soda solution and rinse thoroughly before reuse. Discard clothing or other absorbent materials that have been heavily contaminated with this product. Do not reuse them.

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

User Safety Recommendations

Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

Remove clothing immediately if pesticide gets inside. Then wash body thoroughly and put on clean clothing.

Users should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

ENVIRONMENTAL HAZARDS

Aldicarb residues may move into shallow ground water under certain conditions. The appended Environmental Precautions Booklet should be read and understood prior to making applications. If there are any questions, contact Rhône-Poulenc at 1-(800) 334-9745.

TOXIC TO FISH, BIRDS, AND WILDLIFE: This product is toxic to fish, birds, aquatic invertebrates and other wildlife. Birds feeding on exposed granules in treated areas may be killed. Cover or incorporate granules in spill areas.

Run-off from treated areas may be hazardous to fish in neighboring areas. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters. Apply this product only as specified on this label.

NOTICE: Under the Endangered Species Act. it is a Federal Offense to use any pesticide in a manner that results in the death of a member of an endangered species.

This Act protects Attwater's Greater Prairie Chicken in the Texas counties of Aransas, Austin, Brazoria, Colorado, Galveston, Goliad, Harris, Refugio, and Victoria.

Prior to making applications in these counties, the user must determine that this species is not located in or immediately adjacent to the area to be treated. If the user is in doubt whether or not the above named endangered species may be affected, he should contact either the regional U.S. Fish & Wildlife Service office (Endangered Species Specialist) or personnel of the State Fish and Game office.

OC 010501

DIRECTIONS FOR USE

It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.
Read entire label before using this product.
This Supplemental Label must be in possession of the user at the time of pesticide application.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulations.

AGRICULTURAL USE REQUIREMENTS

Use this product only in accordance with its labeling and with the Worker Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses, and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification, and emergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE), notification to workers, and restricted-entry intervals. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted entry interval (REI) of 48 hours.

Exception If the product is soil-incorporated or soil-injected, the Worker Protection Standard, under certain circumstances, allows workers to enter the treated area if there will be no contact with anything that has been treated. Once the REI has expired, do not allow persons to come into direct contact with treated soil wet as the result of the initial irrigation or rainfall after treatment unless they are wearing the PPE specified below for early entry. PPE required for early entry to treated areas that is permitted under the Worker Protections Standard and that involves contact with anything that has been treated, such as plants, soil, or water is coveralls over short-sleeved shirt and short pants, waterproof gloves, chemical-resistant footwear plus socks, protective eyewear and chemical-resistant headgear for overhead exposure.

Notify workers of the application by warning them orally and by posting warning signs at entrances to treated areas.

STORAGE AND DISPOSAL

STORAGE

Store unused TEMIK® brand Aldicarb Pesticide in original container only, in well ventilated clean dry area out of reach of children and animals. Do not store in areas where temperature averages 115°F (46°C) or greater. Do not store in or around the home or home garden.

If container is broken, before cleaning up, put on long-sleeved shirt, full-length trousers, head covering and rubber gloves. Do not get dust or granules on skin or in eyes. Do not breathe dust. Always stand upwind from spill when cleaning up. Sweep up and bury any small spills or excess TEMIK® Aldicarb at least 18 inches deep in soil, isolated from water supplies and food crops.

PESTICIDE DISPOSAL

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or The Hazardous Waste representative at the nearest EPA regional office for guidance.

CONTAINER DISPOSAL

Completely empty container into application equipment. Then dispose of empty container in a sanitary landfill or by incineration, or if allowed by state and local authorities, by open burning. If container is burned, stay away from and do not breathe or contact smoke.

IN CASE OF TRANSPORTATION OR WAREHOUSE EMERGENCY INVOLVING A SPILL, FIRE, OR EXPOSURE, CALL 1-800-334-7577 TWENTY-FOUR HOURS A DAY IN THE USA.

GENERAL INFORMATION

READ ENTIRE LABEL BEFORE USING THIS PRODUCT.

TEMIK® brand 15G Aldicarb Pesticide controls certain insects, mites, and nematodes. When applied into moist soil at planting and/or postemergence the active ingredient aldicarb is rapidly absorbed by roots and translocated to all parts of the plant. Rainfall or irrigation soon after application will ensure prompt uptake of aldicarb; however, if irrigation is necessary care should be taken not to over irrigate to reduce the potential for residues leaching to ground water. Control often lasts more than six weeks varying with growing conditions, rate of use, and pests. Crop yields are usually increased with treatments of TEMIK® brand 15G Aldicarb Pesticide.

GENERAL CAUTIONS

Use TEMIK® brand 15G Aldicarb Pesticide only in accordance with label directions, warnings, and cautions. DO **NOT** USE ON ANY CROP NOT LISTED ON THIS LABEL OR SUPPLEMENTAL LABELING AS ANY RESIDUES REMAINING MAY BE ILLEGAL OR HARMFUL. DO **NOT** STORE OR USE IN OR AROUND THE HOME OR HOME GARDEN. Use higher rates on heavy organic or clay soils. Do not exceed the maximum label rate. Applications at higher rates or at more frequent intervals than is stated on the label may result in illegal residues in crop, meat, and milk. Treatments in excess of 7 pounds per acre made directly in the seed furrow of cotton or sugar beets, or treatments in excess of 5 pounds per acre made directly to the seed furrow of soybeans or drybeans may delay plant emergence and reduce plant stand.

Make side-dress applications close enough to plants to allow good uptake by the roots without injury to the plants from root pruning. In irrigated areas, follow application with irrigation within one week. If alternate furrows are irrigated after side-dress application, TEMIK® brand 15G Aldicarb Pesticide and water must be on the same side of the plant row.

Calibrate and adjust application equipment to insure proper rate and accurate placement. Clean application equipment thoroughly after use. For any left over material, see instructions for STORAGE AND DISPOSAL in this booklet.

Deep disc any spills at row ends immediately to prevent birds from feeding on exposed granules.

Do not wash, load, or empty application equipment near any well, as this practice is a potential source of ground water contamination.

Do not apply in Del Norte or Humboldt counties in California; Nassau or Suffolk counties in New York; or in Curry County, Oregon.

PRE-HARVEST, GRAZING, MAXIMUM USE RATE, AND GROUND WATER LIMITATIONS

TO AVOID EXCESSIVE RESIDUES IN OR ON:

COTTONSEED

- Do not make more than one 'at planting' application and one postemergence application per crop.
- Do not apply within 90 days of harvest
- Do not feed cotton forage to livestock or allow livestock to graze in treated area.
- Do not exceed a total of 33 pounds per acre.

PEANUTS

- Do not make more than one application per crop.
- Do not harvest within 90 days of application.
- Do not hog-off treated fields.
- Do not feed hay or vines to livestock.
- Do not exceed a total of 20 pounds per acre.

SUGAR BEETS

- Do not make more than one 'at planting' application and two postemergence applications per crop.
- Do not apply within 90 days of harvest.
- If tops are to be fed to livestock, do not apply within 120 days of harvest.
- Do not use tops as food for humans.
- Do not exceed a total of 33 pounds per acre.

SOYBEANS

- Do not make more than one application per crop.
- Do not harvest within 90 days of application.
- Do not feed green forage, hay, or straw to livestock.
- Do not exceed a total of 20 pounds per acre.

DRY BEANS

- Do not make more than one application per crop.
- Do not harvest within 90 days of application.
- Do not feed green forage, hay or straw to livestock.
- Do not use green pods as food for humans.
- Do not exceed a total of 14 pounds per acre.

SUGARCANE AND SWEET POTATOES

- Do not make more than one application per crop.
- Do not harvest within 120 days of application.
- Do not feed sweet potato vines to livestock.
- Do not exceed a total of 20 pounds per acre.
- For sweet potatoes, treatments must be made with Positive Displacement applicators (see Directions for Use section).
- Do not feed cane forage.

PECANS

- Do not make more than one application per year.
- Do not allow livestock to graze in treated areas.
- Do not harvest foliage or hay from treated areas.
- In Florida do not exceed a total of 33 pounds per acre.
- In Arizona do not exceed a total of 47 pounds per acre.
- In other states do not exceed a total of 67 pounds per acre.

OC 010503

PRE-HARVEST, GRAZING, MAXIMUM USE RATE, AND GROUND WATER LIMITATIONS (Continued)

SORGHUM

- Do not make more than one application per year.
- Do not harvest within 90 days of application.
- Do not feed green forage to livestock.
- Do not exceed a total of 7 pounds per acre.

ROTATIONAL CROPS RESTRICTION

- Do not plant any crop not listed on this label in soil treated with TEMIK® brand 15G Aldicarb Pesticide within 10 months after the last application with the following exceptions:

Six-month plantback restriction

- Do not plant wheat or barley within 6 months after last application.
- Do not plant bulb crops (such as onions or garlic) within 6 months after the last application.
- Do not plant brassica crops (such as broccoli or cabbage) within 6 months after the last application.

Eight-month plantback restriction

- Do not plant corn within 8 months of last application.
- Do not plant melons within 8 months after last application.
- Do not plant other cucurbits (such as cucumbers and squash) within 8 months after last application.
- Do not plant fruiting vegetables (such as tomatoes or eggplant) within 8 months after the last application.

MEAT AND MILK

- Do not allow livestock to graze in treated areas before harvest.

GROUND WATER

- Observe Environmental Hazard precautions regarding Decomposition and Movement in Soil, and carefully follow Directions For Use.
- Do not wash, load, or empty application equipment near any well, as this practice is a potential source of ground water contamination.
- Do not apply this product in Del Norte or Humboldt Counties in California; Nassau or Suffolk Counties in New York; or in Curry County, Oregon.
- Do not apply more than 33 lbs/A in the state of Florida.
- Do not apply TEMIK® brand 15G Aldicarb Pesticide (EPA Reg. No. 264-330) to citrus. For citrus apply TEMIK® brand 15G Aldicarb Pesticide for Citrus (EPA Reg. No. 264-417).
- Do not apply to any field more than once every two years in Maine and Wisconsin.

COMPATIBILITY

Pesticidal activity of TEMIK® brand 15G Aldicarb Pesticide is not affected by normal applications of fertilizers or other pesticides. Its effectiveness may be reduced or lost if applied with alkaline materials such as lime. To minimize potential exposure hazards, do not mix TEMIK® aldicarb with other materials before application.

OC 010504

DIRECTIONS FOR USE AND RECOMMENDED APPLICATIONS

To provide maximum performance and to minimize hazard to birds, work granules into or cover with soil to a depth of 2 inches or more. Deep disc any spills at row ends immediately to prevent birds from feeding on granules. When a range of rates are recommended, use the higher rate if pest infestations are expected to be severe.

Crop & Time Of Application	Pests Controlled	Pounds/Acre	Ounces/1000 Feet of Row	Recommended Application
COTTON At planting	Aphids, Thrips		40" row spacing	Drill granules just below seed line or place in seed furrow and cover with soil.
		3.5 to 5	4.5 to 6	
		(Except Texas, Oklahoma and New Mexico)		
		2 to 5	2.5 to 6	If seeds and TEMIK® are hill-dropped, TEMIK® rates may be reduced by one-half.
		(Texas, Oklahoma, and New Mexico Only)		
	Fleahoppers, Leafminers, Mites, Overwintering boll weevil (adults feeding on foliage), Plant bugs, including Lygus	4 to 7	5 to 8.5	
	Nematodes	3.5 to 10	4.5 to 12	Drill granules just below seed line or place in seed furrow and cover with soil. If rate exceeds 7 pounds per acre apply granules in a 4 to 6-inch band and work into the soil or cover with soil. Plant seed in or above treated zone.
		(Except Arizona)		
	Nematodes	14 to 27	17 to 33	Apply granules in a 4 to 6-inch band 3 to 6 inches below seed line or cover with 3 to 6 inches of soil. Plant seed above treated zone.
		(Arizona Only)		
At first squaring	Leafhoppers, Fleahoppers	7 to 14	8.5 to 17	Side-dress granules 8 to 16 inches to one side of the plant row and 2 to 6 inches deep (usually at or below bottom of water furrow).
	Mites, Boll weevil, Plant bugs, including Lygus	14 to 20	17 to 24.5	
From squaring through early bloom	Cotton leaf perforator	14	17	
	Whiteflies	14 to 20	17 to 24.5	Apply before populations reach an economic threshold. Apply for control of moderate populations. Only suppression may be expected for heavy populations of sweet potato whitefly, especially the poinsettia (B)strain (silver leaf).
Do not exceed a total of 33 lbs/A for all applications to cotton.				
GRAIN SORGHUM At planting	Nematodes		36" row spacing	Apply granules in seed furrow and cover with soil.
		7	7.5	
		3.5 to 7	4 to 7.5	
		(Texas and Oklahoma Only)		
	Greenbug Chinch Bug	7	7.5	
PEANUTS At planting	Thrips		36" row spacing	Apply granules in seed furrow and cover with soil. In Southwest use high rate only.
		7 to 14	7.5 to 15	
	Nematodes	14 to 20	15 to 22	Apply granules in a 6 to 12 inch band and work into the soil or cover with soil to a depth of 2 to 4 inches. Plant seed into treated zone.

Crop & Time Of Application	Pests Controlled	Pounds/Acre	Ounces/1000 Feet of Row	Recommended Application
SUGAR BEETS At planting or within one week before planting.	Nematodes	27 to 33	22" row spacing 18 to 22	Apply granules in a 4 to 6 inch band and immediately work into the soil or cover with soil to a depth of 2 to 4 inches. Plant seed into or above treated zone; **OR** where furrow irrigation is employed for seed germination, drill granules 3 to 4 inches deep and 3 inches from seed row on water furrow side.
At planting	Aphids	7 to 14	4.5 to 9.5	Drill granules 1 to 3 inches below seedline. Granules can be placed in seed furrow if rate does not exceed 7 pounds per acre. Repeat applications will be required for continued protection against virus vectors (aphids and leafhoppers).
	Leafminers Leafhoppers	14 to 20	9.5 to 13.5	
	Sugar beet root maggot	7 to 14	4.5 to 9.5	Apply granules in a 2 to 3 inch band over seed row and immediately work into the soil or cover with soil; **OR** where furrow irrigation is employed for seed germination, drill granules 2 inches deep and 2 inches from seed row on water furrow side. For the 7 lb. rate, apply granules in a 1 to 2 inch band in front of the press wheel as the furrow is closing.
At planting plus postemergence (split applications)	Nematodes	14 to 20 at planting and at postemergence	9.5 to 13.5 at planting and at postemergence	**AT PLANTING:** Apply granules in a 4 to 6-inch band and immediately work into the soil or cover with soil to a depth of 2 to 4 inches. Plant seed into or above treated zone; **OR** where furrow irrigation is employed for seed germination, drill granules 3 to 4 inches deep and 3 inches from seed row on water furrow side. **POSTEMERGENCE:** Apply granules to both sides of plant row and immediately work into the soil or cover with soil, or for furrow irrigation side-dress granules 4 to 8 inches to water furrow side of plant row at furrow depth. Irrigate soon after application. Apply within 60 days after planting.
Postemergence Do not make any post -emergence application if 27 to 33 lbs./acre were applied at planting or one week before planting. Do not make more than one "at-planting" application and two postemergence applications per crop. **Do not exceed a total of 33 lbs/A for all applications to sugar beets.**	Sugar root maggot	7 to 14	4.5 to 9.5	Apply granules to both sides of plant row and immediately work into the soil or cover with soil, **OR** for furrow irrigation, side dress granules 4 to 8 inches to water furrow side of plant row and at furrow depth. Irrigate soon after application.
	Aphids	7 to 14	4.5 to 9.5	Apply as above. A repeat application may be required for continued protection against virus vectors (aphids, leafhoppers).
	Leafminers Leafhoppers	14 to 20	9.5 to 13.5	
	Nematodes	27	18	Apply as above. Apply with 60 days after planting.

OC 010506

Crop & Time Of Application	Pests Controlled	Pounds/Acre	Ounces/1000 Feet of Row	Recommended Application
SOYBEANS At planting	Mexican bean beetle Thrips Suppression of three cornered alfalfa hopper	5 to 10	30" to 48" row spacing 5.5 to 11	Drill granules 2 to 3 inches below seed line, OR 2 to 3 inches to the side of the seed row and 2 to 3 inches deep. Granules can be applied to seed furrow if rate does not exceed 5 pounds per acre.
	Nematodes	10 to 20	11 to 22	Apply granules in a 6 to 8-inch band and immediately work into the soil or cover with soil. Plant seed into treated zone.
DRY BEANS At planting	Seedcorn maggot	3.5 to 5 (Michigan Only)	22" to 48" row spacing 4.0 to 5.5	Apply granules in seed furrow and cover with soil
	Aphids	5 to 7	5.5 to 7.5	Drill granules 2 to 3 inches below seed line OR, 2 to 3 inches to side of seed row and 2 to 3 inches deep. **OR** Granules can be placed in seed furrow if the rate does not exceed 5 pounds per acre.
	Leafhoppers Mexican bean beetle Mites	7 to 14	7.5 to 15	
	Nematodes	7 to 14	7.5 to 15	Apply granules in a 6-inch band and immediately work into the soil or cover with soil. Plant seed into treated zone. Where furrow irrigation is employed soon after planting, drill granules 3 to 4 inches deep and 3 inches from seed row on water furrow side.
SWEET POTATOES At planting	Nematodes	10 to 20	48" row spacing 15 to 30	Apply granules in a 12-inch band in opened row. Cover immediately with soil by hilling up 8 to 10 inches. Plant in center of treated zone. Apply only with positive displacement applicators such as the Horstine Farmery Microband (see calibration chart at end of label), or the Gandy Orbit.
SUGARCANE At planting	Nematodes	14 to 20 (Louisiana Only)	60" row spacing 26 to 37	Apply granules in open row on top of newly planted cane and cover immediately with at least 6 inches of soil.
PECANS (Southeast U.S. and Arizona) Producing Trees During period from bud break to nut set	Aphids	33 to 47 (Arizona Only)	Not Applicable	Apply as a 4 to 6-foot band along dripline on both sides of tree row by spreading granules uniformly and immediately working into soil, OR by shanking 2-3 inches into soil on 12-inch centers.
	Aphids Mites	33 to 67 (except Florida and Arizona)		
One to two weeks before bud break	Suppression of Pecan leaf phylloxera	33 (Florida only)		
Newly Transplanted Trees (1-5 years old) During period of bud break	Aphids Mites	Dosage Ounces TEMIK® 15G/Tree 5 to 20	Not Applicable	Apply as a side-dress to individual trees by spreading the granules uniformly around the tree and immediately working into the soil to a depth of 2-3 inches.
One to two weeks before bud break	Bud moth Suppression of Pecan leaf phylloxera			

OC 010507

SEE PREHARVEST AND GRAZING LIMITATIONS ELSEWHERE IN THIS LABEL.

PLANT GROWTH STIMULATION: In the absence of recognizable target pests and under certain growing conditions, stimulation of plant growth by TEMIK® aldicarb on certain crops has been demonstrated under laboratory, greenhouse, and field conditions. Plants may be visibly taller, greener, and denser. Faster grow-off and an increase in fruiting rate and size often are results of the growth enhancement by TEMIK® brand aldicarb. However, such effects do not occur with all crops or under all conditions. Therefore, this product should not be used solely as a plant growth regulator, and its effect as one should be considered a side benefit which may or may not occur as a consequence of its use.

TEMIK® BRAND 15G (GYPSUM) ALDICARB PESTICIDE CALIBRATION GUIDE

APPROXIMATE APPLICATOR SETTINGS* FOR TEMIK® BRAND 15G ALDICARB PESTICIDE (GYPSUM) AT 4, 5 & 6 MPH

NOTE: This calibration chart is applicable only to TEMIK® brand 15G Aldicarb Pesticide in this container which is formulated for use on a gypsum carrier. All rates are APPROXIMATIONS and must be confirmed by using a calibration tube (See Calibration Chart provided with tube). Calibration tubes are available from your TEMIK® brand 15G Aldicarb supplier.

TEMIK BRAND 15G (GYPSUM) ALDICARB PESTICIDE CALIBRATION GUIDE

POUNDS TEMIK® 15G PER ACRE FOR VARIOUS ROW SPACING					TYPE OF GRANULAR APPLICATOR											
ROW SPACING					GANDY GAUGE SETTING			JOHN DEERE MAX EMERGE GAUGE SETTING**			JOHN DEERE MAX EMERGE II GAUGE SETTING			CASE-IH SERIES 800/900 GAUGE SETTING****		
					MPH			MPH			MPH			MPH		
22"	34"	36"	40"	48"	4	5	6	4	5	6	4	5	6	4	5	6
5.5	3.5	3.3	3	2.5	12	13	14	6***	7***	8	8	9	11	1/6.0	1/6.5	1/7.5
7.3	4.7	4.4	4	3.3	13	15	16	7***	9	10	10	12	13	1/7.0	1/7.5	1/8.5
9.1	5.9	5.5	5	4.2	14	16	18	9	11	13	12	14	15	1/8.0	1/8.5	1/9.5
10.9	7.1	6.7	6	5.0	16	18	19	11	13	15	13	15	18	1/9.0	1/9.5	2/1.0
12.7	8.2	7.8	7	5.8	17	19	21	12	15	18	15	18	21	1/9.5	2/0.5	2/2.0
14.5	9.4	8.9	8	6.7	18	20	22	14	17	20	16	20	23	2/0.0	2/2.0	2/3.5
16.4	10.6	10.0	9	7.5	19	21	23	16	19	23	18	22	27	2/1.0	2/3.0	2/5.0
18.2	11.8	11.1	10	8.3	20	22	24	17	21	25	20	25	29	2/2.0	2/4.0	2/6.5
21.8	14.1	13.3	12	10.0	22	24	26	20	25	28	23	29	35	2/3.5	2/7.0	3/0.0
25.5	16.5	15.6	14	11.7	23	26	29	24	28	30	27	35	41	2/5.5	2/8.5	3/4.5
	18.8	17.8	16	13.3	25	28	31	26	29	32	31	39	45	2/7.5	3/2.5	3/8.0
	21.2	20.0	18	15.0	26	30	33	28	31	33	36	44	48	3/0.5	3/6.0	4/2.0
	23.5	22.2	20	16.7	28	31	34	30	32	35	40	46	50	3/2.5	3/9.0	4/5.5
			24	20.0	31	34	37	32	34	37	45	49	53	3/7.5	4/6.0	5/3.0
			27	22.5	33	36	40	33	36	38	48	52	56	4/2.5	5/0.0	5/9.5

*All settings for one hopper box outlet per row

**Odd Numbered Housing (0 – 45)

***For John Deere gauge setting below 8 there will be great variations in flow rate. A gauge setting of 6 is the lowest recommended setting.

****Gate/Dial

HORSTINE FARMERY MICROBAND*

(Using one 3/16" rotor per outlet, part #094006)

POUNDS TEMIK® 15G (GYPSUM) PER ACRE FOR VARIOUS ROW SPACINGS

ROW SPACING	SPROCKET** COMBINATION DRIVER/DRIVEN										
	19-34	22-34	25-34	28-34	25-28	22-22	28-25	34-28	34-25	34-22	34-19
22"	5.50	6.40	7.30	8.20	8.90	10.00	11.20	12.10	13.60	15.40	17.80
30"	4.00	4.60	5.30	5.90	6.50	7.30	8.10	8.80	9.90	11.20	13.00
36"	3.30	3.90	4.40	5.00	5.40	6.10	6.80	7.30	8.20	9.40	10.90
40"	3.00	3.50	4.00	4.50	4.80	5.50	6.10	6.60	7.40	8.40	9.80
48"	2.50	2.90	3.30	3.70	4.00	4.60	5.10	5.50	6.20	7.10	8.20
RATIO:	0.550	0.640	0.730	0.820	0.890	1.000	1.120	1.210	1.360	1.545	1.789

- The Microband is based on positive metering. Settings do not need to be changed with different tractor speeds.
- All settings for one hopper box outlet per row.
- For alternative dose rates, different width rotors can be fitted. For example, a 3/8" wide rotor will deliver twice the rates indicated in the above table.

*Calibrations based upon use of a Horstine Farmery or Canaan 29.5 inch diameter Landwheel drive.

**Sprocket numbers, example: 19 - 34, indicate number of teeth on the DRIVER and DRIVEN Sprockets.

OC 010508

TEMIK® BRAND 15G (CORNCOB) ALDICARB PESTICIDE CALIBRATION GUIDE

APPROXIMATE APPLICATOR SETTINGS* FOR TEMIK® BRAND 15G ALDICARB PESTICIDE (CORNCOB) AT 4, 5 & 6 MPH

NOTE: This calibration chart is applicable only to TEMIK® brand 15G Aldicarb Pesticide in this container which is formulated for use on a corncob carrier. All rates are APPROXIMATIONS and must be confirmed by using a calibration tube (See Calibration Chart provided with tube). Calibration tubes are available from your TEMIK® 15G Aldicarb supplier.

TEMIK BRAND 15G (CORNCOB) ALDICARB PESTICIDE CALIBRATION GUIDE

POUNDS TEMIK® 15G PER ACRE FOR VARIOUS ROW SPACING					TYPE OF GRANULAR APPLICATOR											
ROW SPACING					GANDY GAUGE SETTING			JOHN DEERE MAX EMERGE GAUGE SETTING**			JOHN DEERE MAX EMERGE II GAUGE SETTING			CASE-IH SERIES 800/900 GAUGE SETTING***		
					MPH			MPH			MPH			MPH		
22"	34"	36"	40"	48"	4	5	6	4	5	6	4	5	6	4	5	6
5.5	3.5	3.3	3	2.5	22	24	27	14	16	18	22	25	29	2/2.0	2/4.5	2/6.5
7.3	4.7	4.4	4	3.3	25	28	30	17	19	21	27	32	37	2/4.5	2/7.5	3/0.0
9.1	5.9	5.5	5	4.2	28	31	33	19	21	23	32	38	44	2/7.5	3/2.0	3/5.0
10.9	7.1	6.7	6	5.0	30	33	35	21	23	25	37	44	48	3/1.0	3/5.5	4/0.0
12.7	8.2	7.8	7	5.8	32	35	37	22	25	26	42	47	50	3/4.5	3/9.0	4/5.0
14.5	9.4	8.9	8	6.7	34	37	39	24	26	28	46	50	52	3/7.0	4/4.0	5/0.0
16.4	10.6	10.0	9	7.5	35	38	41	25	27	29	48	51	54	4/0.0	4/8.0	5/5.0
18.2	11.8	11.1	10	8.3	37	40	43	26	28	30	50	52	55	4/4.0	5/2.0	6/0.0
21.8	14.1	13.3	12	10.0	39	43	47	28	30	33	52	55	57	5/0.0	6/0.0	7/0.0
25.5	16.5	15.6	14	11.7	42	46	50	29	32	35	54	56	60	5/6.5	6/7.5	8/0.0
	18.8	17.8	16	13.3	44	49	54	31	34	37	56	59	62	6/4.0	7/7.5	9/0.0
	21.2	20.0	18	15.0	47	52	59	33	36	38	57	61	65	6/9.5	8/5.0	10/0.0
	23.5	22.2	20	16.7	49	56	66	34	37	40	59	63		7/7.5	9/2.5	11/2.5
			24	20.0	54	66		37	40	44	62			9/0.0	11/0.5	
			27	22.5	59			38	42		65			10/1.0		

*All settings for one hopper box outlet per row
**Odd Numbered Housing (0 – 45)
***Gate/Dial

HORSTINE FARMERY MICROBAND*

(Using two 3/16" rotors per outlet, part #094006)

POUNDS TEMIK® 15G (CORNCOB) PER ACRE FOR VARIOUS ROW SPACINGS

ROW SPACING	SPROCKET** COMBINATION DRIVER/DRIVEN										
	19-34	22-34	25-34	28-34	25-28	22-22	28-25	34-28	34-25	34-22	34-19
22"	5.50	6.40	7.30	8.20	8.90	10.00	11.20	12.10	13.60	15.40	17.80
30"	4.00	4.60	5.30	5.90	6.50	7.30	8.10	8.80	9.90	11.20	13.00
36"	3.30	3.90	4.40	5.00	5.40	6.10	6.80	7.30	8.20	9.40	10.90
40"	3.00	3.50	4.00	4.50	4.80	5.50	6.10	6.60	7.40	8.40	9.80
48"	2.50	2.90	3.30	3.70	4.00	4.60	5.10	5.50	6.20	7.10	8.20
RATIO:	0.550	0.640	0.730	0.820	0.890	1.000	1.120	1.210	1.360	1.545	1.789

• The Microband is based on positive metering. Settings do not need to be changed with different tractor speeds.

• All settings for one hopper box outlet per row.

• For alternative dose rates, different width rotors can be fitted. For example, a 3/4" wide rotor will deliver twice the rates indicated in the above table.

*Calibrations based upon use of a Horstine Farmery or Canaan 29.5 inch diameter Landwheel drive.

**Sprocket numbers, example: 19 - 34, indicate number of teeth on the DRIVER and DRIVEN Sprockets.

OC 010509

LIMITED WARRANTY AND DISCLAIMER

The manufacturer warrants (a) that this product conforms to the chemical description on the label; (b) that this product is reasonably fit for the purposes set forth in the directions for use when it is used in accordance with such directions; and (c) that the directions, warnings and other statements on this label are based upon responsible experts' evaluation of reasonable tests of effectiveness, of toxicity to laboratory animals and to plants, and of residues on food crops, and upon reports of field experience. Tests have not been made on all varieties or in all states or under all conditions. THE MANUFACTURER NEITHER MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE TO MAKE, ANY OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.

BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT WHETHER OR NOT SUCH LIABILITY IS BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

Rhône-Poulenc Ag Company
P.O. Box 12014, 2 T.W. Alexander Drive
Research Triangle Park, North Carolina 27709

TEMIK is the registered trademark of RHONE-POULENC for aldicarb pesticide.

TEMIK brand 15G Aldicarb Pesticide

EPA Approved 7/16/96

RESTRICTED USE PESTICIDE

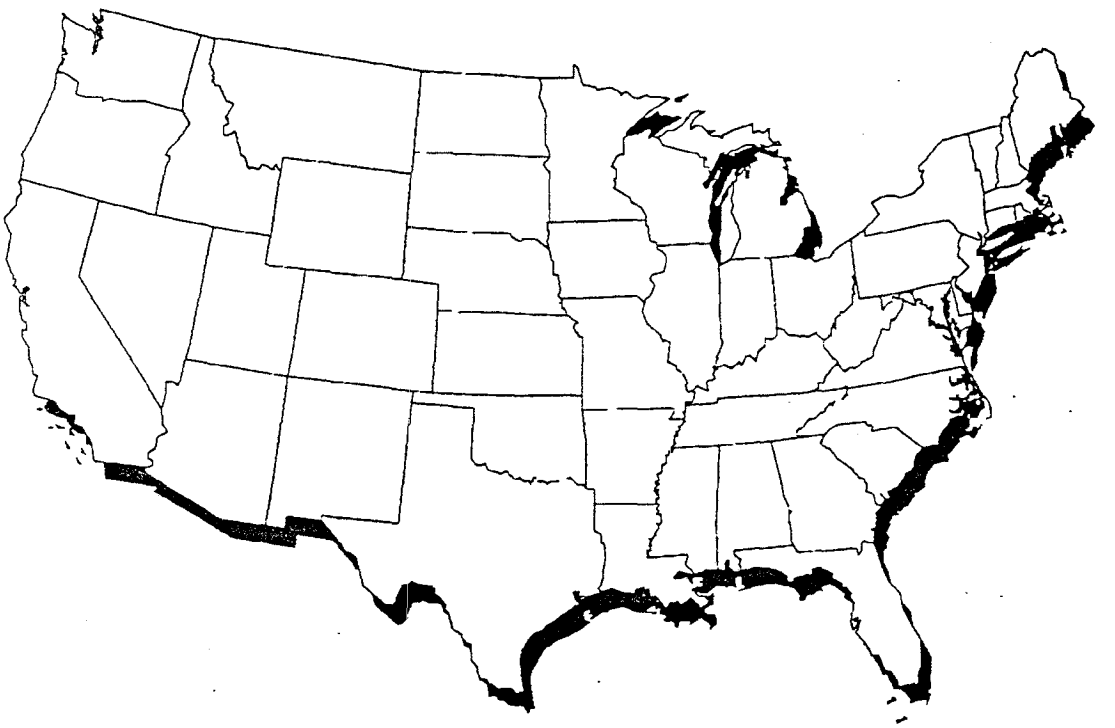
ACUTE TOXICITY AND GROUND WATER CONTAMINATION

For retail sale to and use only by Certified Applicators or persons under the direct supervision of a Certified Applicator, and only for those uses covered by the Certified Applicator's certification.

TEMIK® Brand 15G Aldicarb Pesticide

EPA Reg. No. 264-330

Environmental Precautions and Soil Type Restriction Tables



Refer to the container label for additional use precautions and directions.

RHÔNE-POULENC

Rhône-Poulenc Ag Company
P.O. Box 12014, 2 T. W. Alexandar Drive
Research Triangle Park, North Carolina

TEMIK is the registered trademark of Rhône-Poulenc.
©1996 Rhône-Poulenc Ag Company

OC 010511

Contents **Page**

ENVIRONMENTAL PRECAUTIONS & GENERAL USE RESTRICTIONS 3

SOIL TYPE TABLES BY STATE

ALABAMA 4
COLORADO 4
CONNECTICUT 4
DELAWARE 5
GEORGIA 5
ILLINOIS 5
INDIANA 5
IOWA 6
KANSAS 6
KENTUCKY 6
LOUISIANA 6
MAINE 6
MARYLAND 7
MASSACHUSETTS 7
MICHIGAN 7
MINNESOTA 8
MISSISSIPPI 8
MISSOURI 8
MONTANA 8
NEBRASKA 9
NEW HAMPSHIRE 10
NEW JERSEY 10
NORTH CAROLINA 10
NORTH DAKOTA 11
OHIO 11
SOUTH CAROLINA 11
SOUTH DAKOTA 12
TENNESSE 12
VIRGINIA 13
WEST VIRGINIA 13
WYOMING 14

TEMIK® Brand 15G Aldicarb Pesticide EPA REG. No. 264-330

ENVIRONMENTAL PRECAUTIONS
GENERAL USE RESTRICTIONS

AGRICULTURAL CHEMICALS HAVE THE POTENTIAL TO MOVE INTO SHALLOW GROUND WATER. THE FOLLOWING RESTRICTIONS HAVE BEEN DEVELOPED TO PROTECT DRINKING WATER SUPPLIES.

DO NOT APPLY WITHIN 50 FEET OF ANY DRINKING WATER WELL TO MINIMIZE CONTAMINATION BY SURFACE RUNOFF.
MORE STRINGENT RESTRICTIONS MAY BE REQUIRED, AS DISCUSSED BELOW.

Do not wash, load, or empty application equipment near any well, as this practice is a potential source of ground water contamination.

In fields having soils with less than 15% field moisture holding capacity, special care must be taken not to over-irrigate, since substantial over-irrigation promotes the leaching of chemicals.

Contact your state pesticide regulatory authority for further information on state requirements for the use of this product.

Some states, including Florida, Massachusetts, New York and Rhode Island, have or may be developing more restrictive regulations regarding the use and application of TEMIK®. Follow all state regulations restricting the use and application of this product, including limitations on applications near drinking water sources. In all cases, the more restrictive requirements must be followed. It is the responsibility of the applicator to document the construction of wells claimed not to be shallow.

SPECIFIC USE RESTRICTIONS

FOLLOW THE LISTED "ADDITIONAL RESTRICTIONS" if the following conditions are present:

STATE	SOILS FOR WHICH RESTRICTIONS APPLY	ADDITIONAL RESTRICTIONS
AL, CO, DE, GA, KS, KY, LA, MD, MO, MS, NC, SC, TN, VA, WV	Loamy sand or sand surface soils **and** subsoils **with an** average organic matter in the upper 12 inches of less than 2% by weight. See *SOIL RESTRICTION TABLES* for specific soil types.	If a vulnerable soil is present and the water table is less than 25 feet below ground surface, do not apply within **300 feet** of a drinking water well unless it is known or reasonably believed based upon authoritative sources that such wells are either cased to 100 feet below ground level or a minimum of 30 feet below the water table.
CT, IA, IL, IN, MA, MI, MN, MT, ND, NE, NJ, OH, SD, WY	Sandy loam, loamy sand, or sand surface soils, **and** loamy sand or sand subsoils, **with an** average organic matter in the upper 12 inches of less than 2% by weight. See *SOIL RESTRICTION TABLES* for specific soil types.	If a vulnerable soil is present and the water table is less than 25 feet, do not apply within **500 feet** of a drinking water well unless it is known or reasonably believed based upon an authoritative source that such wells are either cased to 100 feet below the ground level or a minimum of 30 feet below the water table.
ME, NH	Sandy loam, loamy sand **or** sand surface soils. See *SOIL RESTRICTION TABLES* for specific soil types.	If a vulnerable soil is present and the water table is less than 25 feet below ground surface, do not apply within **500 feet** of a drinking water well unless it is known or reasonably believed based upon an authoritative source that such wells are either cased to 100 feet below ground level or a minimum of 30 feet below the water table.
CA (Del Norte Co.) CA (Humboldt Co.) NY (Nassau Co.) NY (Suffolk Co.) OR (Curry Co.)	All Soils	Do not apply this product in the specified counties.
FL	All Soils	State regulations require that TEMIK® not be applied within **300 feet** of any drinking water well.

TEMIK® Brand 15G Aldicarb Pesticide

EPA REG. No. 264-330

SOIL RESTRICTION TABLE

FOLLOW THE LISTED ADDITIONAL RESTRICTIONS if the soil types are present in your state:

ALABAMA

If a vulnerable soil is present and the water table is less than 25 feet below ground surface, do not apply within 300 feet of a drinking water well unless it is known or reasonably believed based upon authoritative sources that such wells are either cased to 100 feet below ground level or a minimum of 30 feet below the water table.

alaga	bigbee	crevasse	fripp	leon	rumford
alpin	bruno	duckston	gorgas	louisburg	saffell
americus	cartecay	eustis	jones	osier	scranton
bankhead	chipley	flomaton	kalmia	pactolus	tarboro
bassfield	corolla	foxworth	lakeland	plummer	

COLORADO

If a vulnerable soil is present and the water table is less than 25 feet below ground surface, do not apply within 300 feet of a drinking water well unless it is known or reasonably believed based upon authoritative sources that such wells are either cased to 100 feet below ground level or a minimum of 30 feet below the water table.

acasco	columbine	gilcrest	lonetree	pescar	tassel
adilis	comad	glenberg	luning	peyton	terry
alda	como	gracot	manhattan	platte	thiel
alex	corlett	graypoint	manter	pring	thoroughfare
apmay	costilla	gretdivid	marosa	quamon	tine
azeltine	cotopaxi	grimstone	maybell	ratake	tipper
bangston	coyet	gunbarrel	maysprings	redrob	tipperary
bankard	crestman	hiwan	medano	relsob	tivoli
barcus	curecanti	hobacker	mespun	riverwash	tolby
baroid	dahlquist	hooper	miracle	ruedloff	tomah
becks	dailey	howardsville	moenkopie	ruhe	trail
bernal	derrick	ildefonso	montez	ryan park	tricera
bijou	dix	inavale	moosed	ryark	truckton
blackston	driggs	ipage	mosca	sabe	trude
blakeland	dunday	ironsprings	mysten	saguache	tullock
blanca	dunul	juget	naturita	san arcacio	uffens
bobtail	dwyer	julesburg	nederland	santana	uracca
boel	eachuston	kandaly	nelson	satanta	utica
bond	eckley	kassler	nesda	schamber	valent
bottle	ecklund	kerber	newcomb	schooner	valentine
bowdish	ellicott	kettle	newfork	sheppard	vasquez
bresser	els	kippen	newlin	silvercliff	vastine
broad canyon	elsmere	laird	niwot	southace	vernal
cabin	falcon	larim	norriston	space city	willwood
canlodore	farb	las	numa	spool	yetull
cascajo	florita	las animas	orsa	st. elmo	yoder
chappell	fourmile	layoint	osgood	stapleton	zeona
cheyenne	frisco	legault	ouray	stecum	
clark fork	fruitland	leighcan	pando	stoneham	
cliffdown	gas creek	lincoln	patna	stunner	
colby	gerrard	littlebear	peetz	tabernash	

CONNECTICUT

If a vulnerable soil is present and the water table is less than 25 feet, do not apply within 500 feet of a drinking water well unless it is known or reasonably believed based upon an authoritative source that such wells are either cased to 100 feet below the ground level or a minimum of 30 feet below the water table.

agawam	canton	farmington	hollis	penwood	suncook
amenia	charlton	fredon	holyoke	pipestone	sutton
belgrade	cheshire	gloucester	manchester	pootatuck	wareham
birchwood	copake	groton	merrimac	poquonock	windsor
branford	deerfield	hartford	montauk	saco	yalesville
brimfield	ellington	hero	nellis	scarboro	
brookfield	enfield	hinckley	occum	sudbury	

OC 010514

SOIL RESTRICTION TABLE (continued)

DELAWARE

If a vulnerable soil is present and the water table is less than 25 feet below ground surface, do not apply within **300 feet** of a drinking water well unless it is known or reasonably believed based upon authoritative sources that such wells are either cased to 100 feet below ground level or a minimum of 30 feet below the water table.

atsion	evesboro	kenansville	osier
collington	kalmia	klej	rumford

GEORGIA

If a vulnerable soil is present and the water table is less than 25 feet below ground surface, do not apply within **300 feet** of a drinking water well unless it is known or reasonably believed based upon authoritative sources that such wells are either cased to 100 feet below ground level or a minimum of 30 feet below the water table.

americus	centenary	fripp	kureb	molena	scranton
ashlar	chipley	galestown	lakeland	osier	sweetapple
bigbee	duckston	gorgas	lakewood	ousley	
buncombe	echaw	johns	leon	paola	
cainhoy	eustis	kalmia	louisburg	plummer	
cartecay	flomaton	kershaw	lynn haven	pottsburg	
cedarbluff	foxworth	klej	mandarin	ridgeland	

ILLINOIS

If a vulnerable soil is present and the water table is less than 25 feet, do not apply within **500 feet** of a drinking water well unless it is known or reasonably believed based upon an authoritative source that such wells are either cased to 100 feet below the ground level or a minimum of 30 feet below the water table.

ade	coyne	haynie	lanier	parkville	udolpho
alvin	dakota	hesch	lawler	plainfield	ware
backbone	dickinson	hitt	lomax	ridgeville	warsaw
beardstown	disco	homer	lorenzo	roby	watseka
billett	dowagiac	hononegah	martinsville	rockton	waukee
bloomfield	downs	hoopeston	matherton	rodman	waukegan
boone	dresden	iona	maumee	ruark	whalan
bowdre	el dara	kane	minneiska	sarpy	wheeling
boyer	eleva	kankakee	morocco	saude	wirt
burkhardt	flagler	kidder	muskingum	shoals	zumbro
burnside	fox	la hogue	oakville	sparta	
carmi	gale	la rose	ockley	st. charles	
casco	genesee	lacrescent	onarga	stockland	
chelsea	gilford	lamont	orio	stonelick	
chute	haymond	landes	pana	trempealeau	

INDIANA

If a vulnerable soil is present and the water table is less than 25 feet, do not apply within **500 feet** of a drinking water well unless it is known or reasonably believed based upon an authoritative source that such wells are either cased to 100 feet below the ground level or a minimum of 30 feet below the water table.

abscota	carmi	fox	maumee	pipestone	st. charles
ade	casco	genesee	millgrove	plainfield	stockland
algansee	ceresco	gilford	monitor	pope	stonelick
alida	chatterton	gravelton	morocco	princeton	tedrow
alvin	chelsea	hanna	moundhaven	prochaska	tracy
ayrshire	chetwynd	haymond	mudlavia	quinn	tyner
beckville	cohoctah	hillsdale	muskingum	riverdale	uniontown
belmore	coloma	homer	nesius	roby	warsaw
billett	conrad	hoopeston	newton	rockton	wasepi
bloomfield	coupee	iona	nineveh	rodman	watseka
bobtown	craigmile	junius	oakville	ruark	weikert
bourbon	dickinson	kalamazoo	ockley	saugatuck	wheeling
boyer	door	kosciusko	onarga	seafield	wirt
brady	dowagiac	landes	ormas	shipshe	zaborosky
branch	dresden	linkville	orrville	shoals	zadog
brems	eldean	lomax	oshtemo	sleeth	
bronson	elston	lydick	ouiatenon	sloan	
bruno	fabius	lyles	piankeshaw	sparta	
burnside	farmington	martinsville	pinhook	spinks	

OC 010515

SOIL RESTRICTION TABLE (continued)

IOWA

If a vulnerable soil is present and the water table is less than 25 feet, do not apply within **500 feet** of a drinking water well unless it is known or reasonably believed based upon an authoritative source that such wells are either cased to 100 feet below the ground level or a minimum of 30 feet below the water table.

ankeny	chute	gale	lamont	perks	vore
aureola	coyne	gilford	landes	renova	wadena
backbone	cylinder	grable	lawler	ridgeport	wapsie
bertram	dickinson	hanlon	lilah	rockton	watseka
billett	dickman	hawick	linder	salida	waukegan
bolan	downs	hayfield	marlean	sarpy	whalan
boone	elrick	haynie	monona	saude	winneshiek
brady	estherville	hesch	montieth	sparta	zenor
buckney	fairhaven	hixton	mottland	sunburg	
burkhardt	finchford	hoopeston	nevin	toolesboro	
carr	flagler	kanaranzi	oesterle	udolpho	
chelsea	fruitfield	klum	percival	ulster	

KANSAS

If a vulnerable soil is present and the water table is less than 25 feet below ground surface, do not apply within **300 feet** of a drinking water well unless it is known or reasonably believed based upon authoritative sources that such wells are either cased to 100 feet below ground level or a minimum of 30 feet below the water table.

albion	dix	jansen	meadin	schamber	valent
bankard	dorrance	kanza	munjor	simeon	valentine
boel	dwyer	las	platte	stephenville	
carr	els	las animas	pratt	sweetwater	
darr	elsmere	likes	quinlan	thurman	
dillwyn	inavale	lincoln	sarpy	tivoli	

KENTUCKY

If a vulnerable soil is present and the water table is less than 25 feet below ground surface, do not apply within **300 feet** of a drinking water well unless it is known or reasonably believed based upon authoritative sources that such wells are either cased to 100 feet below ground level or a minimum of 30 feet below the water table.

beulah	crevasse	lakin	potomac	saffell
bruno	flomaton	molena	riverwash	steinsburg

LOUISIANA

If a vulnerable soil is present and the water table is less than 25 feet below ground surface, do not apply within **300 feet** of a drinking water well unless it is known or reasonably believed based upon authoritative sources that such wells are either cased to 100 feet below ground level or a minimum of 30 feet below the water table.

alaga	darden	flo	kalmia	lotus	peveto
betis	eustis	hackberry	lakeland	osier	
crevasse	felicity	haggerty	latonia	palm beach	

MAINE

If a vulnerable soil is present and the water table is less than 25 feet below ground surface, do not apply within **500 feet** of a drinking water well unless it is known or reasonably believed based upon an authoritative source that such wells are either cased to 100 feet below ground level or a minimum of 30 feet below the water table.

abram	colton	fryeburg	medomak	potsdam	sunday
adams	cornish	groveton	melrose	red hook	surplus
allagash	crary	halsey	monadnock	ricker	swanton
au gres	creasey	hermon	monarda	riverwash	telos
bangor	croghan	howland	moosilauke	rumney	thorndike
becket	danforth	kinsman	naskeag	saddleback	togus
berkshire	dixfield	lovewell	naumburg	schoodic	tunbridge
brayton	duane	lyman	nicholville	searsport	waumbek
canaan	eldridge	lyme	ondawa	sheepscot	westbury
caribou	elliottsville	machias	ossipee	shirley	winnecook
cathro	elmwood	madawaska	peacham	sisk	
charles	enchanted	mapleton	peru	skerry	
chesuncook	finch	marlow	plaisted	skowhegan	
colonel	fredon	masardis	podunk	stetson	

OC 010516

SOIL RESTRICTION TABLE (continued)

MARYLAND

If a vulnerable soil is present and the water table is less than 25 feet below ground surface, do not apply within **300 feet** of a drinking water well unless it is known or reasonably believed based upon authoritative sources that such wells are either cased to 100 feet below ground level or a minimum of 30 feet below the water table.

atsion	downer	fort mott	lakeland	osier	st. johns
collington	dragston	galestown	leetonia	remlik	steinsburg
colts neck	evesboro	klej	leon	rumford	swansea

MASSACHUSETTS

If a vulnerable soil is present and the water table is less than 25 feet, do not apply within **500 feet** of a drinking water well unless it is known or reasonably believed based upon an authoritative source that such wells are either cased to 100 feet below the ground level or a minimum of 30 feet below the water table.

adams	canton	essex	hooksan	pipestone	shelburne
agawam	carver	evesboro	hoosic	pittsfield	sudbury
amenia	charlton	farmington	klej	plymouth	taconic
au gres	chatfield	fredon	lyman	pompton	unadilla
barnstable	cheshire	fullam	merrimac	pootatuck	walpole
belgrade	copake	gloucester	millis	poquonock	whitman
berkshire	deerfield	groton	montauk	quonset	
birchwood	dukes	hero	nellis	riverhead	
brimfield	eastchop	hinckley	norwell	saco	
broadbrook	eldridge	hollis	oakville	saugatuck	
brookfield	enfield	holyoke	occum	scituate	

MICHIGAN

If a vulnerable soil is present and the water table is less than 25 feet, do not apply within **500 feet** of a drinking water well unless it is known or reasonably believed based upon an authoritative source that such wells are either cased to 100 feet below the ground level or a minimum of 30 feet below the water table.

abbaye	croswell	guardlake	manitowish	oshtemo	sleeth
abscota	cunard	hagensville	martinsville	otisco	sloan
alcona	deer park	halfaday	matherton	ottokee	solona
algansee	deerton	hessel	maumee	padus	sparta
allouez	dighton	hettinger	mcbride	pelkie	spinks
alpena	dixboro	hillsdale	mecosta	pemene	springlake
arkona	dowagiac	hodenpyl	melita	pence	steuben
arkport	dresden	ionia	michigamme	pendleton	sturgeon
arnheim	dryburg	ishpeming	mitiwanga	pequaming	summerville
au gres	dryden	jesso	monico	perrin	sunfield
banat	duel	johnswood	monitor	peshekee	teasdale
beechwood	dunbridge	kalamazoo	montcalm	petticoat	tedrow
blue lake	east lake	kalkaska	moquah	pipestone	tekenink
borski	eastport	karlin	morocco	plainfield	thetford
boyer	eleva	kawkawlin	munising	ponozzo	tula
brady	elmdale	kendallville	nadeau	posen	tyre
branch	elston	kibbie	nahma	remus	velvet
brems	emmet	kidder	newaygo	richter	vilas
bronson	ensign	kingsville	newton	riggsville	wainola
ceresco	ensley	kiva	nottawa	riverdale	waiska
champion	escanaba	klacking	nunica	rodman	wasepi
channing	evart	koontz	oakville	rousseau	whalan
chatham	fabius	landes	ockley	rubicon	winneshiek
cheboygan	fairport	lapeer	oconto	sanilac	winterfield
chelsea	finch	leelanau	okee	saugatuck	woodbeck
cohoctah	fox	leoni	omega	sayner	yalmer
coloma	genesee	liminga	omena	scalley	zimmerman
colonville	gilchrist	locke	onaway	schoolcraft	
coral	gilford	lode	onota	shelldrake	
coupee	gladwin	longrie	ontonagon	shoals	
covert	graycalm	mancelona	ormas	skanee	

OC 010517

SOIL RESTRICTION TABLE (continued)

MINNESOTA

If a vulnerable soil is present and the water table is less than 25 feet, do not apply within **500 feet** of a drinking water well unless it is known or reasonably believed based upon an authoritative source that such wells are either cased to 100 feet below the ground level or a minimum of 30 feet below the water table.

abscota	cromwell	goodland	langola	nowen	soderville
algansee	cylinder	gotham	lasa	nymore	sparta
alvin	dakota	graycalm	lawler	omega	spinks
andrusia	demontreville	growton	lengby	osakis	sugarbush
ankeny	dickinson	halder	lilah	oylen	sunburg
anoka	dickman	hamar	linder	pierz	sverdrup
arvilla	dorerton	hanlon	lino	plainfield	udolpho
automba	dorset	hawick	litchfield	pomroy	ulen
backbone	dowagiac	hecla	lohnes	poppleton	venlo
beavercreek	duelm	helmdal	lomax	prebish	verndale
becker	egeland	hermantown	maddock	quetico	wabedo
bellechester	elbaville	heyder	mahtomedi	rasset	wadena
billett	eleva	hiwood	malachy	redby	wadenill
blowers	emmert	hixton	marcellon	redeye	warman
boone	estherville	hoopeston	marlean	renova	watseka
brainerd	etter	hubbard	marquette	renshaw	waukee
brodale	evart	huntersville	meehan	ridgeport	waukegan
burkhardt	eyota	insula	menahga	rockton	wawina
burnsville	fairhaven	jewett	meridian	rockwood	whalan
carmi	faunce	kalmarville	minneiska	rosewood	winterfield
chelsea	finchford	kanaranzi	minneopa	rosholt	wykeham
chetek	finland	karlstad	moquah	salida	wykoff
claire	flagler	kasota	mottland	santiago	zimmerman
clontarf	flak	kingsley	nemadji	sartell	zumbro
cloquet	flaming	koronis	newfound	saude	
conic	friendship	la forge	nokay	serden	
copaston	gale	lacrescent	norden	sioux	
cowhorn	genesee	lamont	northfield	snellman	

MISSISSIPPI

If a vulnerable soil is present and the water table is less than 25 feet below ground surface, do not apply within **300 feet** of a drinking water well unless it is known or reasonably believed based upon authoritative sources that such wells are either cased to 100 feet below ground level or a minimum of 30 feet below the water table.

alaga	bigbee	eustis	osier	saffell
bassfield	bruno	lakeland	plummer	st. lucie
beulah	crevasse	latonia	riverwash	

MISSOURI

If a vulnerable soil is present and the water table is less than 25 feet below ground surface, do not apply within **300 feet** of a drinking water well unless it is known or reasonably believed based upon authoritative sources that such wells are either cased to 100 feet below ground level or a minimum of 30 feet below the water table.

alvin	carr	crevasse	grable	riverwash	scotco
beulah	clana	diehlstadt	hodge	saffell	shelldrake
canalou	cooter	eustis	malden	sarpy	towosahgy

MONTANA

If a vulnerable soil is present and the water table is less than 25 feet, do not apply within **500 feet** of a drinking water well unless it is known or reasonably believed based upon an authoritative source that such wells are either cased to 100 feet below the ground level or a minimum of 30 feet below the water table.

alberton	assinniboine	biglake	breece	chinook	dayschool
alice	attewan	bigsheep	briggsdale	circleville	degrand
allentine	azaar	binna	brownlee	clark fork,	desmet
alona	babb	birney	bullock	coldcreek	dinnen
ambrant	badgerton	blackhall	busby	comad	dominic
amesha	bankard	blackleed	cabba	como	dooley
amor	banks	blaine	cabbart	courville	dryadine
apeldorn	baxendale	blanchard	canburn	cowood	dwyer
apron	bayerton	bonfri	castner	cozberg	earcree
ard	beaverton	borah	chamokane	craddock	elkner
armells	beenorn	bowbac	chanta	crago	elve
ashbon	beeskove	brandenburg	charlos	crittenden	ervide
ashlo	belain	branham	cheadle	cushman	ess
ashuelot	bigarm	brantford	cheyenne	dast	ethridge

OC 010518

SOIL RESTRICTION TABLE (continued)

MONTANA (continued)

evaro	kalsted	musselshell	relan	stecum	utica
famuf	kirby	naz	remmit	stryker	valentine
finleypoint	kiwanis	nelson	rencot	subwell	vastine
firth	krause	nemote	renohill	sudworth	vebar
flasher	labre	nesda	rentsac	tally	victor
flathead	lake creek	nevine	ridge	tamaneen	vona
fleak	lamedeer	niarada	ridgelawn	tamely	wabek
forelle	lantern	nihill	riedel	tenex	wages
frenchcreek	laporte	nippt	riverside	terry	waits
galbreth	larim	noonan	rivra	teton	waldbillig
garlet	lehr	norte	rochester	tevis	walstead
gas creek	libeg	nuley	rootel	thess	walters
geohrock	lihen	nunn	round butte	thiel	wemple
glaciercreek	lisk	oceanet	roxal	tigeron	windham
glenberg	loken	olney	ryegate	tine	winfall
glendive	lolo	oraid	ryell	tineman	winkler
gunbarrel	lolopeak	oro fino	ryorp	tinsley	winnett
hagga	lone rock	outlet	sapphire	tolex	wishard
hamlet	lowercreek	ovando	sawcreek	tolman	woodgulch
hanly	macar	parchin	scravo	toluca	woodhall
hapgood	macfarlane	parshall	selle	tomichi	woodrock
harvey	manhattan	passcreek	selway	travessilla	woodside
haskill	manning	pengilly	seroco	trembles	worland
haugan	marmarth	perma	shadow	trey	wormser
hedstrom	maurice	petty	shawmut	trimad	yegen
hilger	mccaffery	phillcher	sheege	tropal	yellowbay
holloway	mccollum	pishkun	shingle	tullock	yetull
hopley	meadowcreek	poin	shook	turner	
hopsonville	mires	pring	shurley	tusler	
irim	mitten	randman	sixbeacon	twilight	
jocko	mocmont	redcreek	spang	upsata	
jucson	moiese	reeder	splitro	usine	

NEBRASKA

If a vulnerable soil is present and the water table is less than 25 feet, do not apply within 500 feet of a drinking water well unless it is known or reasonably believed based upon an authoritative source that such wells are either cased to 100 feet below the ground level or a minimum of 30 feet below the water table.

alda	calamus	fonner	laird	munjor	schamber
alice	campus	gibbon	las	nihill	selia
almena	canyon	glenberg	las animas	norrest	shingle
altvan	carr	gosper	lawet	nunn	sibleyville
ascalon	cass	gothenburg	leshara	o'neill	simeon
bankard	chappell	grable	lex	oglala	talmo
barney	cheyenne	haynie	lisco	olney	tassel
bayard	dailey	hedville	lockton	ord	thurman
bazile	darr	hemingford	loretto	ortello	trelona
blanche	dickinson	hennings	lute	orwet	tuthill
blendon	dix	hersh	mace	otero	valent
boel	doger	holt	manter	paka	valentine
boelus	duda	humbarger	mcgrew	percival	vetal
bolent	dunday	inavale	mckelvie	pivot	wann
boone	dunn	ipage	meadin	platte	wewela
brocksburg	dwyer	jansen	minatare	ronson	whitelake
brunswick	eckley	janude	minnequa	rosebud	wildhorse
busher	els	jayem	monona	rusco	woodly
bushman	elsmere	johnstown	muir	sarpy	

OC 010519

SOIL RESTRICTION TABLE (continued)

NEW HAMPSHIRE

If a vulnerable soil is present and the water table is less than 25 feet below ground surface, do not apply within **500 feet** of a drinking water well unless it is known or reasonably believed based upon an authoritative source that such wells are either cased to 100 feet below ground level or a minimum of 30 feet below the water table.

abenaki	deerfield	kearsarge	moosilauke	raynham	sudbury
acton	duane	kinsman	mundal	redstone	sunapee
adams	dutchess	leicester	naumburg	ricker	suncook
agawam	eldridge	lim	newfields	ridgebury	sunday
au gres	elmridge	londonderry	nicholville	rippowam	surplus
bangor	elmwood	lovewell	ninigret	rumney	sutton
becket	fryeburg	lyman	occum	saddleback	swanton
belgrade	glebe	lyme	ondawa	saugatuck	thorndike
berkshire	gloucester	machias	ossipee	scarboro	tunbridge
bernardston	glover	madawaska	paxton	scio	unadilla
caesar	grange	marlow	peacham	scituate	walpole
canaan	groveton	masardis	pennichuck	searsport	wareham
canton	hadley	matunuck	peru	shaker	warwick
cardigan	haven	medomak	pillsbury	sheepscot	waumbek
charles	hermon	melrose	pipestone	sisk	whitman
charlton	hinckley	merrimac	pittstown	skerry	wilmington
chatfield	hinesburg	metallak	plaisted	squamscott	windsor
cohas	hollis	millis	podunk	stetson	winnecook
colton	hoosic	monadnock	pootatuck	stissing	winooski
croghan	houghtonville	monarda	quonset	stratton	woodbridge
dartmouth	howland	montauk	rawsonville	success	worden

NEW JERSEY

If a vulnerable soil is present and the water table is less than 25 feet, do not apply within **500 feet** of a drinking water well unless it is known or reasonably believed based upon an authoritative source that such wells are either cased to 100 feet below the ground level or a minimum of 30 feet below the water table.

adelphia	ellington	hasbrouck	lakewood	pascack	shrewsbury
atsion	evesboro	hazen	lansdale	phalanx	st. johns
aura	fallsington	hazleton	leon	plummer	steinsburg
bowmansville	fort mott	hero	matapeake	pompton	swartswood
chenango	fredon	hibernia	matawan	pope	tinton
collington	freehold	holmdel	mullica	preakness	tunkhannock
colonie	fripp	holyoke	nassau	riverhead	wassaic
colts neck	galestown	hooksan	nixon	rockaway	woodstown
downer	gladstone	hoosic	otisville	rowland	wooster
dragston	haledon	klej	parker	sassafras	
dunellen	hammonton	lakeland	parsippany	shrewsbory	

NORTH CAROLINA

If a vulnerable soil is present and the water table is less than 25 feet below ground surface, do not apply within **300 feet** of a drinking water well unless it is known or reasonably believed based upon authoritative sources that such wells are either cased to 100 feet below ground level or a minimum of 30 feet below the water table.

alaga	centenary	fripp	louisburg	pactolus	toccoa
alpin	charleston	galestown	lynn haven	potomac	tomahawk
baymeade	chipley	immokalee	mandarin	pottsburg	valhalla
biltmore	conetoe	johns	molena	rimini	wake
bojac	corolla	kalmia	newhan	rumford	wakulla
buncombe	dragston	kenansville	nimmo	seabrook	wando
cainhoy	duckston	klej	ona	st. johns	wateree
cartecay	echaw	kureb	osier	suncook	
carteret	eustis	lakeland	ousley	tarboro	

OC 010520

SOIL RESTRICTION TABLE (continued)

NORTH DAKOTA

If a vulnerable soil is present and the water table is less than 25 feet, do not apply within **500 feet** of a drinking water well unless it is known or reasonably believed based upon an authoritative source that such wells are either cased to 100 feet below the ground level or a minimum of 30 feet below the water table

amor	cabbart	fossum	lehr	parshall	tusler
arvilla	chanta	glendive	lemert	poppleton	ulen
aylmer	chinook	hamar	letcher	reeder	vebar
baahish	claire	hamlet	lihen	renshaw	venlo
banks	clontarf	hanly	lohnes	rhame	vetal
bantry	coe	haskill	maddock	ruso	wabek
beisigl	cohagen	hecla	manning	serden	walum
binford	desart	heimdal	marmarth	seroco	wamduska
bowdle	egeland	hidatsa	metigoshe	sioux	wanagan
brandenburg	ekalaka	inkster	minnewaukan	tally	warsing
breien	falsen	karlsruhe	mott	telfer	yegen
brisbane	flasher	ladner	noonan	toby	yetull
cabba	fleak	lefor	osakis	trembles	zeona

OHIO

If a vulnerable soil is present and the water table is less than 25 feet, do not apply within **500 feet** of a drinking water well unless it is known or reasonably believed based upon an authoritative source that such wells are either cased to 100 feet below the ground level or a minimum of 30 feet below the water table.

abscota	channahon	fitchville	kings	orrville	skidmore
algansee	chavies	fulton	laidig	oshtemo	sleeth
alvin	chenango	galeri	lamson	otisville	sloan
arkport	clymer	gallipolis	landes	peoga	sparta
barkcamp	cohoctah	geeburg	licking	pike	st. clair
belmore	coloma	gessie	lordstown	piopolis	stafford
bogart	colonie	hackers	markland	plattville	stendal
boyer	conneaut	hanover	milford	pope	tawas
brady	defiance	haubstadt	minoa	princeton	tyler
bronson	del rey	holly	muskego	riddles	warners
carlisle	digby	homewood	nicholson	rittman	washtenaw
casco	dubois	ilion	nolin	rockyfork	wea
cavode	elba	jessup	oakville	shinrock	wharton
centerburg	ellsworth	jules	opequon	sisson	

SOUTH CAROLINA

If a vulnerable soil is present and the water table is less than 25 feet below ground surface, do not apply within **300 feet** of a drinking water well unless it is known or reasonably believed based upon authoritative sources that such wells are either cased to 100 feet below ground level or a minimum of 30 feet below the water table.

alaga	charleston	johns	molena	ridgeland	wakulla
alpin	chipley	kalmia	nansemond	rimini	wando
ashlar	coosaw	kenansville	newhan	riverwash	wateree
baratari	crevasse	kershaw	olanta	rosedhu	witherbee
beaches	echaw	lakeland	osier	scranton	
buncombe	edisto	leon	pactolus	seabrook	
cainhoy	eustis	louisburg	plummer	seewee	
cartecay	foxworth	lynn haven	quart-	tomahawk	
centenary	fripp	meggett	zipsamments	udipsamments	

OC 010521

SOIL RESTRICTION TABLE (continued)

SOUTH DAKOTA

If a vulnerable soil is present and the water table is less than 25 feet, do not apply within **500 feet** of a drinking water well unless it is known or reasonably believed based upon an authoritative source that such wells are either cased to 100 feet below the ground level or a minimum of 30 feet below the water table.

alice	cohagen	hamar	mawer	rockoa	tuthill
altvan	cushman	hanly	meadin	ronson	twilight
alwilda	dailey	haynie	minatare	rosebud	ulen
amor	delmont	heath	minnequa	sarpy	valent
anselmo	dix	hecla	mocmont	schamber	valentine
arvilla	doger	heimdal	munjor	serden	vebar
ascalon	dogiecreek	hilger	murdo	seroco	venlo
assinniboine	duda	holt	nihill	shingle	vetal
attewan	dunday	hopdraw	noonan	shirttail	wabek
bankard	dwyer	inavale	norrest	sioux	wann
banks	eckley	ipage	nunn	sorum	westover
blackhall	egeland	jansen	o'neill	storla	wewela
blendon	ekalaka	jayem	oahe	sverdrup	whitelake
boel	els	kirby	oglala	tally	winetti
bowdle	elsmere	lefor	orton	talmo	woodly
brocksburg	enet	lehr	orwet	tanna	woonsocket
bullock	evridge	letcher	parchin	tassel	wortman
butche	fedora	lihen	parshall	telfer	yecross
cabba	flasher	lowry	percival	temvik	yegen
cabbart	fleak	lute	platte	tetonka	zeona
canyon	glenberg	maddock	reeder	thurman	
cass	glendive	manning	renshaw	travessilla	
chappell	glenross	manter	reva	trembles	
chinook	grable	mathias	rhame	trey	

TENNESSE

If a vulnerable soil is present and the water table is less than 25 feet below ground surface, do not apply within **300 feet** of a drinking water well unless it is known or reasonably believed based upon authoritative sources that such wells are either cased to 100 feet below ground level or a minimum of 30 feet below the water table.

beulah	bruno	crevasse	eustis	saffell
bigbee	buncombe	dexter	riverwash	

VIRGINIA

If a vulnerable soil is present and the water table is less than 25 feet below ground surface, do not apply within **300 feet** of a drinking water well unless it is known or reasonably believed based upon authoritative sources that such wells are either cased to 100 feet below ground level or a minimum of 30 feet below the water table.

alaga	carteret	duckston	lakehurst	molena	seabrook
ashlar	catpoint	fisherman	lakeland	nansemond	steinsburg
assateague	chagrin	fripp	lakin	newhan	sweetapple
biltmore	chipley	galestown	leetonia	nimmo	tarboro
bojac	conetoe	johns	leon	osier	wakulla
buncombe	corolla	kalmia	louisburg	pactolus	wateree
camocca	dragston	kenansville	matneflat	riverwash	
cartecay	drall	klej	millrock	rumford	

WEST VIRGINIA

If a vulnerable soil is present and the water table is less than 25 feet below ground surface, do not apply within **300 feet** of a drinking water well unless it is known or reasonably believed based upon authoritative sources that such wells are either cased to 100 feet below ground level or a minimum of 30 feet below the water table.

drall	gauley	landes	potomac
fiveblock	lakin	leetonia	sewell

OC 010522

SOIL RESTRICTION TABLE (continued)

WYOMING

If a vulnerable soil is present and the water table is less than 25 feet, do not apply within **500 feet** of a drinking water well unless it is known or reasonably believed based upon an authoritative source that such wells are either cased to 100 feet below the ground level or a minimum of 30 feet below the water table.

aberone	butche	eckley	hoodle	mughut	reno
abston	byrnie	edlin	hooper	nathale	renohill
adilis	cabin	elk mountain	hoot	naturita	rentsac
agneston	calicott	elk hollow	huguston	neiber	ret
alcova	cambarge	ellicott	indart	nelson	rimton
alflack	canburn	emblern	ipson	nesda	riverwash
alice	canwall	embry	irigul	newfork	rivra
allens park	carbol	enos	jayem	nihill	rock river
alliance	carmody	farisita	jenkins	nizina	rockinchair
almy	carnero	farson	julesburg	norte	rogert
altvan	cass	feltner	kandaly	nunn	rohonda
amesmont	castello	feltonia	keeline	oceanet	rootel
anasazi	castner	firth	keyner	olney	rosane
ansel	cathedral	fiveoh	kezar	onason	rosebud
anselmo	cedak	flathead	koonich	orpha	roxal
apeldorn	cestnik	fluetsch	labou	otero	ryan park
apron	chaperton	fola	lake creek	otterson	ryark
ard	chappell	forelle	lakehelen	outlet	saddle
ascalon	charlds	fornor	lamarsh	owen creek	santana
ashbon	charlos	fourmile	lambman	pahlow	sapphire
ashuelot	cheadle	foxton	lander	paoli	satanka
assinniboine	cheyenne	fraddle	laney	parmele	sawcreek
attewan	chincap	frisco	lantis	parmleed	schamber
avalon	chinook	frontier	laporte	passcreek	schooner
badgerton	chittum	garita	larim	pena	scout
bankard	chugcreek	garrett	larimer	pepal	scravo
banks	cific	gas creek	las animas	pepton	seedskadee
barcus	clarkelen	gateson	lazear	perceton	sharland
baroid	clayburn	gelkie	leighcan	perma	sheege
barrett	clifsand	gerrard	libeg	pescar	shingle
bateson	cloud	glenberg	lininger	pesmore	shoshone
bayard	comer	glenderson	littlebear	peyton	simmont
bayerton	conpeak	glendive	littsan	phiferson	slipman
beaverton	cordes	glenton	lohsman	pilotpeak	sobson
becks	corlett	goslin	lolak	pinedale	southace
beeno	cotha	granile	lone	pineguest	southfork
beenom	cotopaxi	granyon	lucky	pishkum	space city
bigwin	coutis	greenman	luhon	plite	spangler
bigwinder	crago	grenoble	lupinto	poin	splitro
billycreek	cragosen	greyback	lymanson	poker	spool
binton	crestman	greybull	macfarlane	pokey	stoneham
blackhall	crowheart	greypoint	manter	preatorson	stunner
blaine	crownest	grieves	mathers	pugsley	sublette
bluerim	cryluha	griffy	maysdorf	quander	sudworth
bodorumpe	curecanti	grimm	mccaffery	quealman	sunup
bondman	curtis	grimstone	mccort	quealy	taglake
bonjea	cushman	grobutte	meadowlake	rainbolt	taluce
bosler	cushool	gunbarrel	means	rairdent	tanna
bottle	dahlquist	hagga	merna	randman	tassel
boulder	dailey	hapjack	millburne	ratake	tasselman
bowbac	dast	hardhart	millpot	rauzi	teagulf
bowen	dawny	hargreave	milren	rawah	teapo
boyle	deaver	haterton	mine	rawlins	teeler
breece	debone	havertel	miracle	redbank	teemat
briggsdale	decolney	hawksprings	mirror	redcreek	teewinot
bross	derrick	hawkstone	mishak	reddale	telecan
brownsto	diamondville	hazton	moran	redfeather	tellman
bruja	dix	hechtman	morset	redrob	tenorio
buffork	dobrow	heinsaw	moskee	redwash	terada
bullock	draknab	herbman	mosroc	reeder	terro
burgess	driggs	hesperus	motoqua	reget	terry
burnt	dunday	hiland	mudray	rekop	tetonville
busher	dunul	hilltop	muff	relsob	thayne
bushman	dwyer	hobacker	mughouse	rencot	theedle

OC 010523

WYOMING (continued)

thermopolis	travessilla	truckton	vona	whaley	worfka
thiel	travson	tullock	vonason	wiggleton	worfman
threetop	trelona	turnback	wages	willowman	worfstone
tieside	trembles	turner	walcott	willwood	worland
tigon	treoff	turnercrest	walden	wilsonville	wormser
tine	treon	turson	wall	windham	worthenton
tineman	tresano	uffens	wallrock	winnett	yetull
tipper	trimad	uinta	wallson	wint	youga
tipperary	tripit	valent	wardboro	wishard	youjay
tisworth	trivar	valentine	wellsville	wolf	zillman
tolman	trook	vetal	wendover	woodrock	
tongue river	troutville	vible	westvaco	worf	

OC 010524

NOTES

Rhône-Poulenc Ag Company
P.O. Box 12014, 2 T.W. Alexander Drive
Research Triangle Park, North Carolina 27709

TEMIK is a registered trademark of Rhône-Poulenc.

©1996 Rhône-Poulenc Ag Company
Made in USA.

AMMUNITION PROCUREMENT AND SUPPLY AGENCY
JOLIET, ILLINOIS

August 24, 1962

Subject: Decontamination of Kilgore Property

Mr. S. A. Frye
Otterbein College
Westerville, Ohio

Dear Mr. Frye,

1. In accordnance with request contained in letter from Otterbein College to Office Chief Ordnance, dated 5 April 1962, and instructions from Office Chief Ordnance to Ordnance Ammunition Command, by letter, dated 11 April 1962, Messers V. L. Carpenter and F. Foltz were assigned to furnish technical supervision and consultant service, to Otterbein College, on an alternate basis, during the decontamination of approximately 6-8 acres located in the south east corner of the Kilgore Farm located at Westerville, Ohio.

2. This contaminated area has been decontaminated in accordance with current Ordnance Corps procedures and in the opinion of the undersigned no significant hazard remains which will prevent the use of this area for any purpose or endanger the lives of individuals or the public.

Sincerely,

Virgil L. Carpenter

Virgil L. Carpenter
Supervising Safety Engineer
Ammunition Procurement & Supply Agency
Joliet, Illinois

OC 010526

August 30, 1962

Col. E. W. Grubbs
Col. Ordnance Commanding
Ammunition Procurement Supply Agency
Joliet, Illinois
Dear Sir,
Dear Sir,

The decontamination work on the Otterbein farm is finished and I want you to know what a splendid job your staff did for Otterbein College in decontamination six acres of ground that the college owned. [illegible] We have a letter from them saying the [illegible] They dug up and disposed of some 120 tons of explosives and flares as well as some 3500 boosters and some 200,000 fuses. In addition there was cap mix, black powder, red phosphorous, magnesium flares and numerous other odds and ends. [illegible]

The specific location was unknown to your men and was buried from 3 to 6 feet deep. They found and dug up this material in six weeks time without a single lost time accident or the slightest damage to the earth moving equipment.

Will you please convey our thanks to those of your staff who participated in this work, especially to Virgil Carpenter, Fred Foltz and Mr. Stankowitz.

Yours truly,

S. A. Frye
Business Manager

SAF/ad

OC 010527

Dale Fister

Information on following page concerning

Kilgore Mfg. Company, Inc.

Furnished by Mr. Horace Mann, Personel Mgr.

of

Kilgofe Mfg. Company, Inc.

April 5, 1956.

OC 010528

#B47002 Dale Fister

Information given by Horace

The History of Kilgore

The Kilgore Manufacturing Company was incorporated in 1917 for the immediate purpose of manufacturing and selling toy cap pistols. In this year it began its business in Columbus, Ohio. A. J. D. Kilgore brought this plant from Hanse Manfacturing Company in 1917. Then in 1919 the company moved its operation to Westerville.

The company began operations in the small building just across the tracks which now serves as the receiving warehouse. That building contained 5680 square feet. It housed the office, maching shop, plating, assembly and warehouse. In 1919 the total employment was only about 30 employees.

Today the company ownsaand occupies 181,900 square feet(about 4 acres) of building space in its Westerville plant. The company also has sales offices in New York City, Chicago, and Washington D. C.

Henry B. Watking, the present President of the company, has been its General Manager from December of 1919 to 1942 when he became president of the company.

The International Flare-Signal Division was created within the company in 1929. In this same year the company began the manufacture of aviation and marine pyrotechnies. "Pyrotechnies" is the name applied by the trade to distress signals for airplanes and boats, parachotosuspended flares for emergency landing of airplanes at night, railroad and automobile fuses, parade torches and various signaling items for all branches of the armed forces. This division operates on what is known as the "south side" using Many of the individual buildings located there. This division makes the only complete line of emergency landing flares approved by the United States Civil Aeronautics Administration.

In 1935 Kilgore entered the field of plastic houseware. They started out with just two small machines but today they are one of the leaders in this industry. This plastic line carries the trade name "Shel-glo".

In the fall of 1949 the company purchased about 275 acres of land in Licking County, Ohio near Newark for the erection of a loading plant. This plant began production early in 1950.

Since 1929 the company has operated the plant known as MacDonald Metals and Plastics, in Waterlou, Quebec Canade. This corporation is wholly owned by Kilgore. It manufactures kitchen hardware, oil burning equipment, pistols and caps, plastic housewares and bathroom fixtures. It regularly imployees about 250 workers.

During the warethe Kilgore Manufacturing company was awarded two awardes which in Sept. 26, 1942 they were given the army and navy "E" award and on Nov. 12, 1942 the Ohio chamber of commerce presented to Kilgore a Certificate of Distinguished achievement.

OC 010529

Dale Fister

Information concerning Kilgore Mfg. Company, Inc. given by Mr. W.R. Mathias, in the Industerial Relations Department.

Westerville is the one remaining plant of a large corporation with Mr. B.R. Gehring as the President. This plant is compased of three branch plants. The Northside plant as No.1 - the Southside plant as No.2 , which includes the Kilgore Farm, located on Tussic Road, just north of County Line Road. This plant contains about one hundred buildings.

During World War 11 Tip's City claimed one of Kilgore's plants and manufactured war supplies. After the war this plant was discontinued in 1947. In 1950 their Canadian plant was abolished as was the Newark plant in 1951. Plastics housewares carrying the name "Shel-glo" was also discontinued in 1955.

Kilgore now manufacture ten to twelve different types of toy cap pistols, and four different types of caps.

Pyrotechnics is another line they manufacture. Commercially the use of emergency flares, railroad and automotive fusees, parade torches and other distress signals. Military signaling items also other items that could not be explained.

The Westerville plant has easy access to trucking firms other then their own. Also at their disposal they have the Pennsylviana Railroad.

The plant has its' own cafeteria, which can serve their six-hundred employees. A large portion of these are women coming from Westerville and the surrounding area. The plant regularly employs six hundred and fifty. There are bowling and golf teams to keep these employees on friendly basis with one another.

Among the different departments there are shipping and storage; carpentery, electrical and machine shops. There employed professional services such as chemical engineers, chemists, civil and electric engineers,

[illegible] jobs.

OC 010530

There fifty to seventy employed in the combined offices. Kilgore still maintains employees they hired twenty-five to thirty years ago.

Feburary, 1956 Kilgore Manufacturing Company signed a contract with the United Cork Linoleum and Plastic Workers of America Union. There has never been a strikeat any Kilgore plant because they have always come to a settlement.

Kilgore Manufacturing Company has a contract with several Government Agencies, which include Navy, Army, Air Force, Marines, Coast Guard and National Guard Unites.

In case of fire Kilgore has their own fire brigade, but in case of a greater emergency they call on the Westerville Fire Department. A telephone system is installed contacting all departments and their own calling code, with buzzers through out the whole plant. There are four main guard houses, which in order to go through one must have a pass written from the main office. also this includes the Kilgore Farm, located on Tussic Road. There is a burgler alarm through out the plant and other secret devices.

OC 010531

Kilgore Farm, located on Tussic Road, just north of Smothers, or County Line Road.

The Kilgore Farm was stabted in 1940 and is still in use. Its main purpose is for storage and other expermental work. There is an eight foote fence, which incloses about ten acres. Within these grounds there are twelve metal storage bins which are thirty by fifty feet. Also two storage magazines which stores caps and ammunitions. There are nine stone and concrete structures three of which are used for tumbling powder, three pressing buildings and three processing buildings. Also within this fence are a boiler house, a change house and a red brick caretaker's house, in which Mr. Leonard Day and his family occupy. This house is in the west center and all the aforesaid buildings are in the north east corner. There is also a water tower locate just back of the caretaker's house, which consist of 75,000 gallons. This tower is one hundred and seventyfivefeet high, and is able to furnish water to all buildings. There is within this enclosure a waste pit in which all waste powder is burnt. The pit is eight feet deep and fifty feet ing diameter and when the powder is burnt the smoke can be seen for miles around. This pit is located in the southeastern part of the grounds. A pelting division in which all types of pelts are processed.

In the year 1955 there occured a major accident in which a man and a women died and others were hurt. The explosion blew one concrete structure down and caused a great deal of damage. The cause was undetermined.

This information was contributed by Mr. Leonard Day who resides in the red brick caretaker's house., located on the Kilgore Farm on Tussic Road.

OC 010532

April 5, 1962

COPY

Chief of Ordnance
Frederick M. Bishoff
Chief, Safety Branch
Installation Management Division
Pentagon
Washington, D. C.

Dear Sir,

Colonel Elmer W. Grubbs sent a Safety Engineer, Mr. V. L. Carpenter, from U. S. Army Ordnance Demolition Command, Joliet, Illinois to Westerville recently to make a visual examination and recommendations for decontamination of the Kilgore property.

As a result of this inspection we received a letter from Colonel Grubbs outlining a standard order of procedure also the information that any further assistance could only be given by your authority. Mr. Carpenter informed us that on the site technical guidance could be obtained if the property owner paid for it.

You may consider this letter a formal application for technical assistance in the form of guidance similar to that furnished in the decontamination of the West Virginia Ordnance Works.

All expense connected there-with to be borne by Otterbein College.

The property in question has been offered to Otterbein College by the Commercial Credit Corporation, who are the owners. The offer was accepted at its meeting on April 4 by the Executive Committee of the college, subject to your office providing the guidance requested herein. Your prompt attention to our request would be greatly appreciated.

Yours truly,

S. A. Frye
Business Manager

SAF/ad

OC 010533

April 17, 1962

COPY

Commanding General
Ordnance Special Weapons-Ammunition Command
Dover, New Jersey

Dear Sir,

As a result of negotiations with Mr. Frederick M. Bishoff Chief, Safety Branch Installations Management Division it is our understanding that your Command will furnish technical assistance for a decontamination problem that is confronting our College.

Is it possible for your Command to send a representative to Otterbein in the near future to acquaint yourself with the project? We would like very much to work out a time schedule as soon as possible that is mutually agreeable.

Yours truly,

S. A. Frye
Business Manager

SAF/ad

OC 010534

ERNEST G. FRITSCHE
DEVONSHIRE PLAZA
6245 SUNDERLAND DRIVE
COLUMBUS, OHIO 43229

July 29, 1986

Mr. C. David Douthat, P.E.
U.S. Army Corps of Engineers
Huntsville Division
PO Box 1600
Huntsville AL 35807

Dear Dave,

Enclosed is the aerial photomap including the Kilgore Farm owned by Otterbein College. Getting it from the Ohio Department of Transportation proved to be somewhat of an "epic".

On the positive side Congressman Kasich's office asked for and received a pledge of high priority in accellerating delivery. Opposing that, the fact that the first prints produced were trimmed to exclude 600' of depth along Tussic Road made it necessary to reprocess the order. All's well that ends well, I hope.

I have tried to place enough identifying stickers on the map to properly orient you. The scale is approximately 1 in. = 200 ft. This means that if the burial area was about 8 acres as described in numerous documents it represents a 3"x3" area (approximately) on the map in the southeast corner of the 110 acre farm.

Also enclosed is a copy of the Columbus Dispatch news clipping of July 20, 1986. After pleading with the investigative reporter to avoid sensationalizing the release to try to avoid it becoming an invitation to curio hunters I am not sure that much was changed in the script. Otterbein's campus police now make at least two runs a day past the farm to remove trespassers. To the best of my knowledge they haven't reported any problems.

Hoping the photo map meets your expectations and needs, and further that processing our "cleanup" request may now proceed at full speed, I remain,

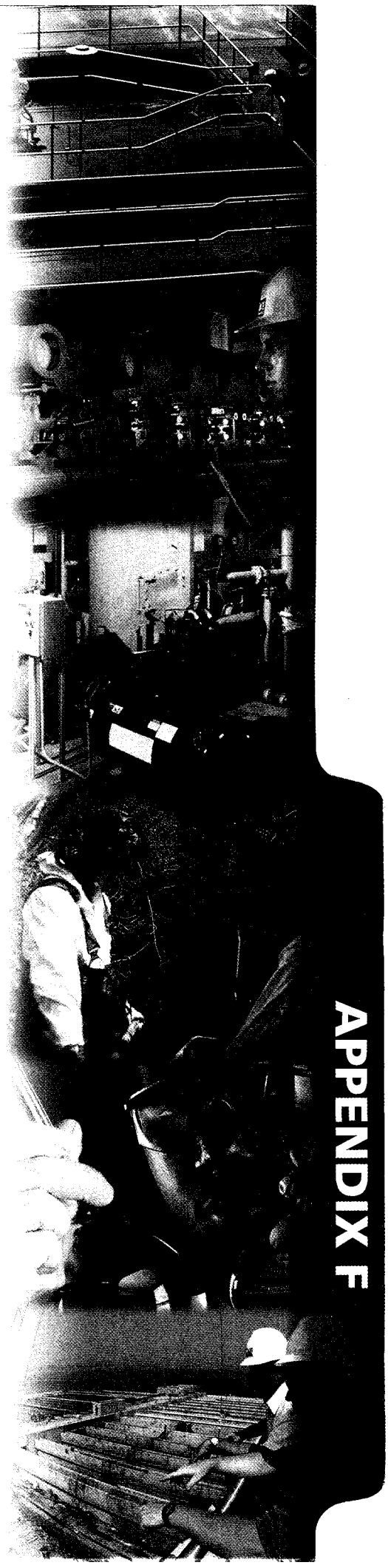
Very sincerely yours,

Ernest G. Fritsche

2 Enc.
cc: Congressman Kasich
Otterbein College

OC 010535

APPENDIX F



OC 010536

APPENDIX F

Otterbein College, Historical Files

Otterbein College

Westerville, Ohio 43081

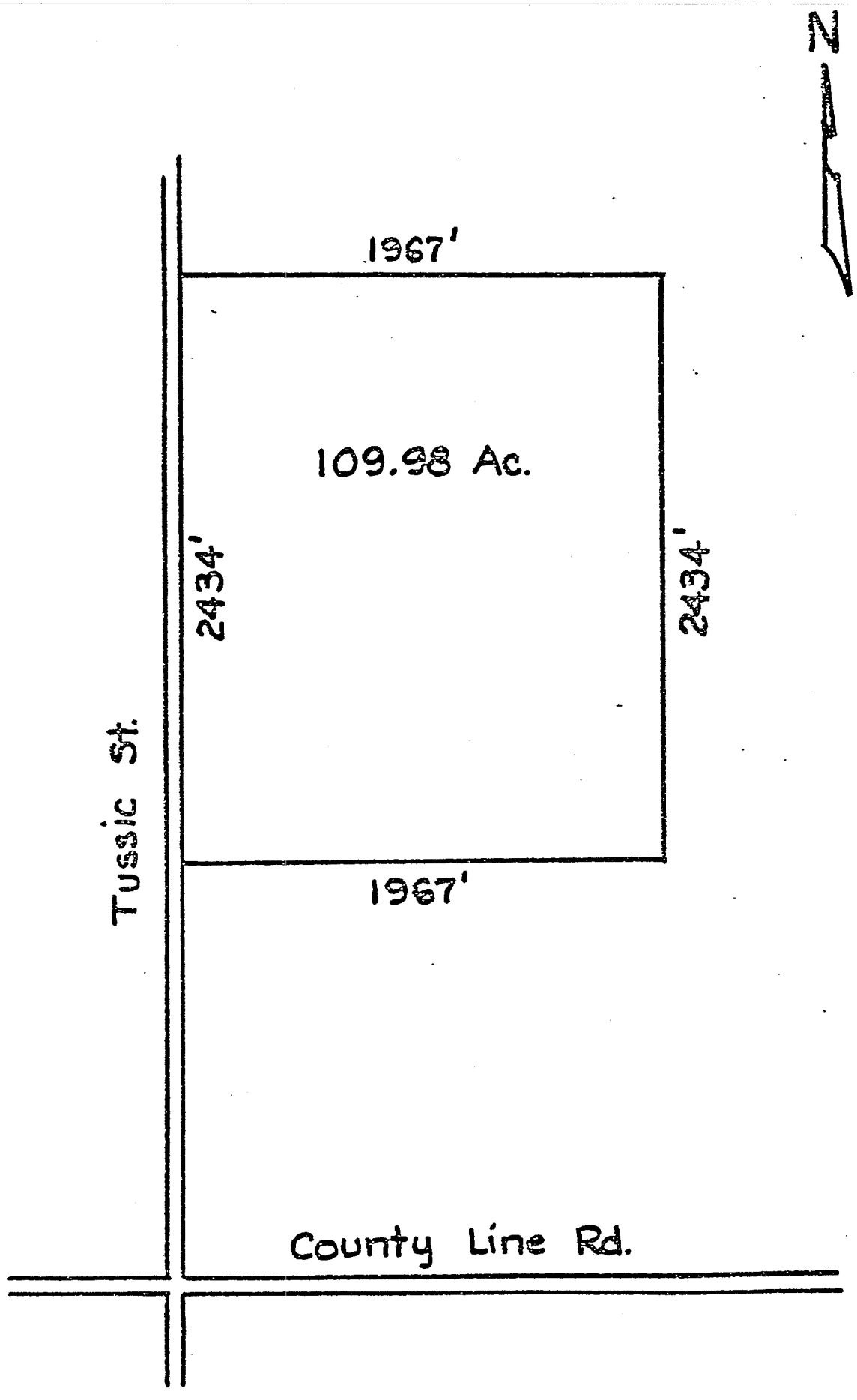
Copy of 3 pages to Ben Gamm 12/8/87 JR

SURVEY DISCRIPTION

Situated in the County of Delaware, State of Ohio, and in the Township of Genoa, in Range 17, Township 3, Section 4, and lot 9, and bounded and described as follows:

Beginning at a stone on a post at the Southwest corner of said Lot 9 in the center of the County Road, and on the section line between Sections 3 and 4 of said Township at a point "A" on a plat of a survey of said lands made by James Eaton, County Surveyor of Delaware County, Ohio, November 20, 1839, and recorded in the Surveyor's Records, of said County in Vol. 3, page 509; thence North 1 degree East along said Section line 147.56 poles to a stone on a post at the Northwest corner of said lot 9; thence South 89 degrees East 119.26 poles to a stone on a post; thence South 1 degree West 147.56 poles to a post; thence North 89 degrees West 119.26 poles on the South line of said Lot 9 to the place of beginning, containing 110 acres of land, and being the premises conveyed by the Kilgore Manufacturing Company to Kilgore, Inc. In Deed Record 237, page 512, Recorder's Office, Delaware County, Ohio.

OC 010538



OC 010539

WIRE FENCE
15" DRAIN TILE
10 FT CLG
MAP OF
KILGORE INC.
SCALE 1" = 200'

4/9/98

To: Todd Aebie
890.0372

From: Otterbein Archives
823-1761

# of pages: 7

I hope this info. is useful. Please call if you have any questions.

Kerri O'Connell

OC 010541

KILGORE FARM DECONTAMINATION

In the fall of 1961 Elmer Funkhouser Jr. and I were having lunch at Williams Grill and Elmer being a grad of Otterbein in the Class of '38 knew about the Kilgore plant and asked me if it still existed. I told him that the operation had moved to Tennessee and the Westerville plant was idle and for sale. It occurred to him that tax-wise it might be more profitable for the owner to give the property to Otterbein than to sell it. We contacted the local Kilgore representative and learned that the property was owned by Commercial Credit with offices in Baltimore, Maryland. Elmer contacted the chairman of the board of ~~Trustees~~ DIRECTORS of the company, a Mr. Grimes, and was told that Otterbein would get the property as a gift.

At the next meeting of the Board, it did not agree with Grimes and the deal was off. A short time later it came to light that one, Billy Sol Estes, in the Southwestern states was selling fertilizer at less than what it cost to manufacture. Commercial Credit was apprised of this fact and took steps to get payment of a $2,000,000.00 debt owed to them by Estes. Shortly afterward, the Estes shenanigans blew up and became news all over the USA. At the next meeting of the Com-

OC 010542

mercial Credit Board of ~~Trustees~~ DIRECTORS, they reconsidered and Otterbein College was the recipient of the Westerville Kilgore property.

The Otterbein College Trustees refused to accept the gift unless the business manager (Sanders A. Frye) would get professional help from the Army Ordinance to decontaminate some six acres of the 110-acre farm which was part of the Kilgore holdings. It was learned that Kilgore when they were engaged in the manufacture of detonators and other explosives during World War II ~~When they were mining~~ had simply hauled all rejected explosive material out to the farm and buried it. It was also learned that Kilgore had made an attempt to decontaminate the property after the war and had obtained the services of a retired Army Ordinance officer for this procedure. On the very first day ~~of the project~~, a man was killed on the project. All work was stopped and never started up again. You can understand why the Otterbein Trustees were a bit reluctant to assume that responsibility.

The business manager contacted Fort Hayes in Columbus and a lieutenant and sergeant came out to look the situation over. They said that the project was far beyond their abilities and that Fort Meade in Maryland would have to be contacted. This was done and Fort Meade immediately contacted the Pentagon. As time went on the

OC 010543

business manager was getting copies of correspondence between Meade and the Pentagon but nothing was being accomplished. The next step was to contact Samuel L. Devine, our Congressman. He was in Columbus at the time but an appointment could not be obtained. The next step was to contact our Judge Troop. One hour later Judge Troop and Sanders Frye were sitting in Representative Devine's office in the Federal Building in Columbus. Some two days later a phone call from Devine in Washington to the effect that a telegram was on the way to the commanding officer of the Army Ordinance Depot in Joliet, Illinois from the Pentagon telling him to meet with the business manager and arrange for professional help on the project. They met in Joliet the next day. The Army provided the services of a civilian expert for the job at a cost of $500.00 per week. Work was finally getting under way. It was learned through the Barberton Ordinance plant that all equipment used had to be mounted on rubber and all tools used had to be made of bronze to avoid sparks. We were also told that everyone on the job had to wear white coveralls and that they had to be washed in a flame proofing solution every day. The Columbus Fire Department was contacted and the flame-proofing solution was flown in by Air Express from New Jersey. We found that the explosives

OC 010544

had been buried in trenches some of them 5 feet deep and back-filled with dirt. Over the years grass and weeds had grown up and had to be moved before the trenches could even be found! A few of the trenches had been staked out and most of them were wrong.

As soon as the dirt was removed and explosives discovered, they were dug out and removed by hand. The method used in destroying them was to place a layer of loose hay about a foot deep on the ground and some scrap wood on top of that. The explosives were scattered over these combustibles and the fire touched off at night. The detonators were placed inside of old rubber auto tires so that none of them could be accidentally blown to one side without exploding. To destroy the dynamite caps, a hole was dug in the ground and the caps and small explosives were fed down a metal trough into a fire in the hole. Over 2,000 bales of hay and 2,600 tires were used in the demolition. The tires would be blown some 100 feet into the air when the detonation went off.

After some two months, the area was finally cleared and a letter received from Army Ordinance saying that some 120 tons of explosives had been destroyed and the ground could be used for any purpose.

The civilian expert made the statement that as far as he knew it was the largest decontamination project of its kind in the USA.

Sanders A Frye

-30-

OC 010545

Kilgore Property - Information Sheet

The Kilgore property is a 110 acre tract of land located on Tussic Road in Westerville immediately north of North High School. It was donated to Otterbein College in 1962 by the Kilgore Manufacturing Company which later located in Tennessee. The company manufactured parachute flares, photo flash powder, caps for pistols and fireworks. During the time the company had the cement block buildings on the Tussic Road property, unacceptable or defective materials were dumped in pits on the property and buried. In 1962 they closed out their Columbus operation.

Chronology of Events

1962 - Donation to Otterbein. Sanders Frye, the then business manager of the college, had representatives of the Company point out where the burial sites were. A map was given to Otterbein.

Summer, 1962 - Otterbein brought in Ammunition and Supply Agency (a U.S. military branch) representives from Joliet, Ill. to supervise the clean-up. Virgil Carpenter was the supervising safety engineer in charge of the operation. Trenches were cleaned out, materials removed and pits were refilled. The excavating company of George Igel handled the clean-up throughout the summer with Mr. Carpenter and Mr. Foltz of the military supervising. No accidents or explosions occurred and they cleaned up all the materials they could find. The project cost $50,000.

1962-80 - Property used to grow corn and beans. A few sales offers fell through due to size of bid and increase in interest rates.

1986 - Otterbein College board member, Ernest Fritsche, was asked to look into sale of the property. Some loose flares had been kicked up by the farming plow. These were sent to Ohio Fire Marshall's laboratory for testing. Under testing, no flares exploded. The concern existed that under the right circumstances the flares could be dangerous.

1986 - Representative Kasich was approached to try to get military assistance to clean up the area, but he was unable to obtain help.

July, 1986 - Dr. David Douthat of the U.S. Corps of Engineers from Huntsville, Alabama was called in to look at the site. He said there were still more items that needed cleaning up. Corps of Engineers, which is part of the government funded hazardous waste programs, had a backlog of at least six years work and was unable to work on the project.

July 20, 1986 - A Dispatch article appeared stating explosives were found on the property. At the time the fire marshall's office was involved in hauling away the materials (70-80 items were found to be hauled away).

OC 010546

1986-87 - Mason and Hangar, a Lexington, Kentucky company, was approached by Otterbein's business manager to discuss the hazardous waste clean-up. In the meantime, several other companies as well as the National Guard were contacted. Otterbein was unable to find anyone to do a thorough clean-up due to their lack of knowledge about what the materials were or not having the right equipment or expertise.

1987 - The Westerville Schools indicated an interest in buying about 22 acreas for use as an athletic field. Otterbein requested the school to do their own safety investigation on he property.

Jan., 1988 - SEA Environment site investigators were contracted to do the work. They checked all the materials and metals and determined the burial sites needed further investigation.

Feb., 1988 - Four waterwells were sunk to determine if any chemicals or hazardous wastes were leaking. They did 24 soil samplings and found nothing to indicate contamination or cause for concern.

Mar., 1988 - A metal sweep with magnetic detectors was done over the 22 acres. No isolated materials or flares were found. One small area with a ditch of materials was located.

Apr., 1988 - A contractor was hired to execavate the ditch. As a result, an old trench that had been over-looked was found on the edge of the burial area. A number of old parachute flares, plastic connectors and empty aluminum cannisters were found. All the materials including the dirt were spread out for further investigation.

May 3, 1988 - A teenager trespassed on the property after working hours, found a flare and took it home. Parents called the fire department and a bomb squad was sent to check. The story appeared in the media.

May 4, 1988 - Woodrow Macke, Otterbein's business manager, went to the site and discovered police and emergency squads on the site. Excavators continued digging trenches across the old burial site and found nothing. Police vacated the area as nothing dangerous was found.

May 5, 1988 - Fire department and bomb squad returned. Mr. Macke returned to the site. They continued going over everything that had been found inn the overlooked trench. Bomb squad put detonaters in material but were unable to explode it.

May 12, 1988 - Fire department sent remaining materials to the Fire Marshall's office and labs in Reynoldsburg.

May 16, 1988 - Reports to Otterbein indicated that possibly the materials in the small, heavy metal cannisters if reasonably fresh, could flash under certain conditions. Since the materials have been buried since the 1950s and the powder is no longer fresh, it is unlikely they would explode but it is a reason for caution.

June, 1988 - Plans are to conduct another magnetic sweep. Otterbein is waiting to hear if Westerville Schools want to purchase the acreage they were interested in. The school engineer has given the property a clean ill of health. To date, no accidents or explosions have occurred ther spontaneously or under rigorous testing conditions.

Kilgore Property Summary

Deed

The deed, dated May 7, 1962, is entitled "Deed of Gift" through which Kilgore, Inc. "remise, release, and forever quit-claim" the property. The deed discloses Kilgore's previous activities and the potential for the remainder of explosives, pyrotechnics, and other chemicals having explosive and incendiary characteristics. As such, by accepting the property, the College agreed "to save and hold harmless"... Kilgore and its successors..." from any and all claims and demands, including cost of defense, for any damage or injury occurring after the date hereof and asserted by reason of the premises having been so used or because of any such materials being on said premises at the date hereof and further agrees this covenant and agreement shall be perpetually personal to Grantee and shall also run with the land and shall inure to the benefit of and be binding upon the successors and assigns of the parties hereto."

The deed was prepared by George, Greek, King and McMahon, Attorneys at Law, 44 East Broad St., Columbus and recorded in the Delaware County courthouse on May 24, 1962 in Volume 299, page 439, of the Deed Record.

Easements and Right-of-Ways Granted

Ohio Bell Telephone Co. - Ten foot easement along the eastern boundry of property running along the Tussic (Spring) Road right-of-way line. This will become part of the Tussic (Spring) Road right-of-way once it is granted.

City of Westerville - Right-of-way easement granted through a warranty deed to the City of Westerville along with an additional ten feet of right-of-way located immediately adjacent to and east of the existing right-of-way easement upon receipt from the City of the appraised value of such additional right-of-way. The additional right-of-way is the same property involved in the Ohio Bell easement.

Government Contacts

8/24/62 - Virgil L. Carpenter, Supervising Safety Engineer, Ammunition Procurement and Supply Agency, Joliet, Illinois, advised Sandy Frye that in accordance with Otterbein's June 5, 1962 request, the agency furnished technical supervision and consultant service for the decontamination of approximately 6-8 acres of the southeast corner of the Kilgore Farm and that the decontamination was conducted in accordance with current Ordance Corps procedures. In his opinion "no significant hazard remains which will prevent the use of this area for any purpose or endanger the lives of individuals or the public."

George J. Igel and Co., Inc., Columbus, were hired to perform the cleanup under the supervision and direction of the Ammunition Procurement and Supply Agency.

6/17/85 - Ernest Fritsche delivered a metal cannister found on the Kilgore property to the Hazardous Materials Division of the Ohio Fire Marshall's office for inspection. Two Ordinance officers from Wright-Patterson Air Force Base, Dayton, Ohio also examined it. The cannisters contained explosive materials (phosphorus).

9/5/85 - Ernest Fritsche accompanied a two-man team from the Hazardous Material Division of the Ohio Fire Marshall's office to the Kilgore Farm. They excavated 67 cannisters.

/85 - Discoveries made indicating that decontamination was not complete.

3/6/86 & 3/10/86 - Letters from Ernest Fritsche to James Fairbanks, Hazardous Materials Division - Ohio Fire Marshall's Office. Ernie set aside 69 + 6 cannisters found during his sweeps of the farm. He gave them permission to enter, search for and remove hazardous materials and remnants of World War II.

6/86 - The College began working with Congressman John Kasich to have a U.S. Military re-check and re-evaluation of the area.

7/7/86 - An engineer from the U.S. Army Corps of Engineers visited the site for a preliminary survey.

6/1/88 - The E.O.D. Team from Wright Patterson and Westerville Police visited Kilgore Farm to retrive samples of six items uncovered by the trenching of the Southeast section of the property.

7/5/88 - E.O.D. scheduled to return to Kilgore Farm to attempt to explode items unearthed in the trenching exercises.

Miscellaneous Correspondence Chronology

9/18/61 - Funkhouser letter indicates Commercial Credit increased its liability policy from 10 MM to 20 MM. (why not attempt to collect under this policy if it becomes necessary?)

4/17/62 - S.A. Frye letter to Frederick M. Bishoff*
Thank you for assistance in decontamination
*Chief Safety Branch
Installations Management Division
Dept. of the Army
Office of the Chief of Ordnance

4/17/62 - S.A. Frye letter to Samuel L. Devine, House of Representatives, requesting assistance in the decontamination of the property.

4/23/62 - E.N. Funkhouser letter to Commercial Credit Co. (parent of Kilgore) advising the Executive Committee chose to accept

7/3/62 - Contact for Kilgore:
Mr. John L. Warner
Harvell-Kilgore, Inc.
Bolivar, Tennessee

8/30/62 - Thank you letter from S.A. Frye to Col. E.W. Grubbs. The team dug up and disposed of 120 tons of explosives and flares, 3,500 boosters, and 200,000 fuses. Plus cap mix, black powder, red phosphorous, magnesium flares, and other odds and ends. Material was buried 3-6' deep in a six acre site on the SE section of the 110 acre plot. No accidents during cleanup.

10/10/62 - Cleanup costs from Ammunition Procurement and Supply Agency, Joliet, Illinois: $2,800.76. Total clean-up costs were approximately $50,000.

5/20/63 - S.A. Frye letter notes that Commercial Credit sold Kilgore, Inc. (noted 5/2/62 Keewell-Kilgore Corp. letterhead)

7/31/86 - Woody Macke advised Stan Tarr of E.I.I.A. of the property and its past use and potential problems.

2/10/88 - Woody Macke advised Stan Tarr of E.I.I.A. of the property and its past use and potential problems and offer to sell to Westerville Schools.

2/88 - S.E.A., Inc., Columbus, OH, conducted a site evaluation on the SE corner. This consisted of drilling 4 monitor wells to determine the presence of volatile aromatic hydrocarbons, chlorinated hydrocarbons, nitrates and EP toxic metals. They also secured 24 composite samples from borings in the area to a depth of 4-5 feet. A walk through the area with a metal detector noted many small, unidentifiable metal objects. Ground water did not contain any volatile aromatic or chlorinated hydrocarbons above detectable limits. No contamination of the ground water with PCBs above detectable levels. Metals detected in ground water were below EP toxicity limits. The concentration of nitrates in the ground water is below the Safe Drinking Water Act limits.

5/3/88 - Contained in some items removed from the site:
Aluminum F litter
Sodium Nitrite Na NO2
Sulfer

6/8/88 - Items supposedly buried there:
Red Phosphorus
Potasium Chlorate Gum
Antimony Trisulphide

Cleared in 1962 (very explosive when dry)
Sodium Nitrate Na NO3
Antimony
Barium Rhodanid
Boron Phosphide
Sodium Hypophosphite

6/14/88 - Contracted with John Loma
(Loma Excavating, Inc.) to trench SE section)

2/88 - S.E.A., Inc., Columbus, OH, conducted a site evaluation on the SE corner. This consisted of drilling 4 monitor wells to determine the presence of volatile aromatic hydrocarbons, chlorinated hydrocarbons, nitrates and EP toxic metals. They also secured 24 composite samples from borings in the area to a depth of 4-5 feet. A walk through the area with a metal detector noted many small, unidentifiable metal objects. Ground water did not contain any volatile aromatic or chlorinated hydrocarbons above detectable limits. No contamination of the ground water with PCBs above detectable levels. Metals detected in ground water were below EP toxicity limits. The concentration of nitrates in the ground water is below the Safe Drinking Water Act limits.

5/3/88 - Contained in some items removed from the site:
Aluminum F litter
Sodium Nitrite Na NO2
Sulfer

6/8/88 - Items supposedly buried there:
Red Phosphorus
Potasium Chlorate Gum
Antimony Trisulphide

Cleared in 1962 (very explosive when dry)
Sodium Nitrate Na NO3
Antimony
Barium Rhodanid
Boron Phosphide
Sodium Hypophosphite

6/14/88 - Contracted with John Loma
(Loma Excavating, Inc.) to trench SE section)

Westerville considers Otterbein property for third fire station

■ *The city wants to start building at the N. Spring Road site in November.*

By Ray Crumbley 7/21/96
Dispatch Staff Reporter

Construction of a third Westerville fire station is to begin in November on N. Spring Road north of County Line Road.

City officials told area residents last week that they are negotiating to buy 2.3 acres on which to build the $1.1 million station and 11 acres behind it for recreation.

The property, owned by Otterbein College, is the site of the former Kilgore Manufacturing. The land was given to Otterbein in 1961, when the company was closed. Columbus businessman Joseph Kilgore opened the Westerville plant in 1923.

Some officials were concerned about what might be buried on the land.

The company's products ranged from mechanical banks and toy cap guns to — during World War II — incendiary bombs and military flares.

Assistant City Manager Mike Wasylik said soil tests indicate no problems exist, although the fire station will not have a basement because the site is wet. Heavy rains have flooded areas north of the site. Wasylik said drainage improvements will be made.

Kilgore Manufacturing occupied about 60 buildings on 20 acres of a 110-acre farm. Most of the buildings have been torn down.

City Manager David Lindimore said he hopes to present land purchase details to the City Council for approval in August.

The city hopes to hire a contractor by October, he said. About 400 feet of N. Spring Road in front of the site will be widened as part of the project.

The land is just north of the Westerville City School District's Heritage Middle School, Robert Frost Elementary and Westerville North High School.

About two dozen residents who attended a briefing on the station last week did not raise any major objections, although some questioned Fire Chief Dick Morrison about noise from sirens and the safety of students.

Morrison said firefighters try to be considerate when making late night or early morning runs and urged people to talk with neighbors of the Blendon station, which is near homes.

Drivers also consider the safety of pedestrians and motorists, he said.

Westerville operates a station at 400 W. Main St. and staffs the township-owned Blendon station at 6250 S. Hempstead Rd. Morrison said the new station will reduce response times to the northeast area of the city. The goal is a four-minute response time throughout the city and Blendon Township.

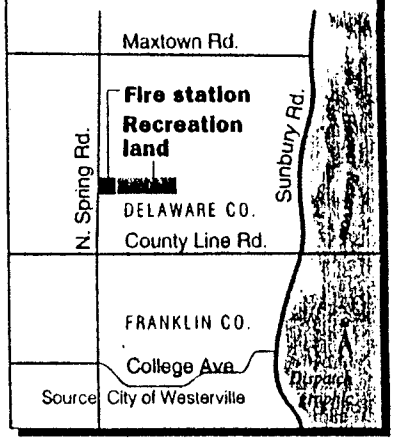
Last August, when it appeared the city no longer would operate the Blendon station, city officials proposed building a station at Walnut Street and Hempstead Road, sparking a protest by residents there. That plan was dropped after the city and township approved a 10-year agreement under which the city continues staffing the township station.

Voters in the city and township have approved a total of 2.45 mills in property taxes for operating money for the three-station plan.

The fire station is to be built with $475,000 set aside from a 1986 bond issue that also was used to build the Main Street station and from general fund revenues amassed over the past decade.

Proposed site

Westerville officials want to buy 2.3 acres for a fire station and 11 acres for open recreation use along N. Spring Road. The long, narrow property is north of three Westerville schools and west of the Landings and Hoover and Mariners Cove subdivisions on the west shore of Hoover Reservoir.



OC 010555

Ohio EPA
State of Ohio Environmental Protection Agency
Central District Office

Street Address:
305 Westbrooke Drive, Building C
Columbus, Ohio 43228
614-771-7505 FAX 614-771-7571

Mailing Address:
P.O. Box 2198
Columbus, Ohio 43266-2198

George V. Voinovich
Governor
Donald R. Schregardus
Director

November 23, 1992

RE: COMPLETION OF PRELIMINARY ASSESSMENT FOR KILGORE MANUFACTURING
ID NO. 121-1187
DELAWARE COUNTY

FILE COPY

Mr. Stephan Storck
Vice President for Business Affairs
Otterbein College
Westerville, Ohio 43081

Dear Mr. Storck:

The Ohio EPA, Division of Emergency and Remedial Response (DERR), has completed the enclosed preliminary assessment (PA) as part of an ongoing process to identify and remediate hazardous or potentially hazardous waste sites in Ohio. We are providing you with a copy of this information because you have been identified as an owner and/or operator at this site.

The PA is the first step in the investigative process. Preliminary assessments serve to screen sites to determine if there has been a release or if a potential for a release exists. The PA also evaluates whether or not a site poses any threat or potential threat to human health or to the environment. This determination is based on a review of all available information.

Priority ratings are assigned to a site once a PA has been conducted. A site is assigned one of the following priorities: high, medium, low or zero. These priorities are based on information available to the Agency on the degree of hazard presented by the site. These assessments may be updated as new information becomes available. Sites on the Ohio Master Sites List that have not had a preliminary assessment performed have not been assigned a priority. These scores are used to determine whether or not additional investigation is necessary.

Once a site has been prioritized it may proceed thru the investigative process. Further activities may include state interim or emergency actions, remedial investigation and cleanup or listing on the U.S. EPA National Priorities List.

Printed on recycled paper

Preliminary assessments are prepared by staff in Ohio EPA's five district offices. These documents are kept on file in the Central Office and in the appropriate district office. The PAs are considered public information.

We are giving you this information to better enable you to address any possible inquires from the public. We welcome any additional information, comments, or questions that you may have.

Please feel free to contact me at (614) 771-7505 should you have any questions or concerns regarding the attached preliminary assessment.

Sincerely,

Deborah Strayton

Deborah J. Strayton
Unit Supervisor
Division of Emergency & Remedial Response
Central District Office

DJS/pan
Doc007/10-11

Enclosure

cc: Laura Fay, DERR/CO

A second priority rating may be assigned to a site based on scores received through the U.S. EPA Hazard Ranking System. Ohio EPA has, in the past, conducted these evaluations for U.S. EPA. The scores are then used in order to determine whether or not additional investigation is necessary. U.S. EPA utilizes its contracted Field Investigation Team (FIT) to perform follow-up site inspections. The FIT priority ratings include: high, medium, and no further actions, for site inspection. U.S. EPA considers Ohio EPA's FIT priority request, but ultimately prioritizes additional activities at its discretion.

Once a site has been prioritized by U.S. EPA it may proceed through the Superfund process as warranted. Further activities may include listing on the National Priorities List, remedial investigation, and cleanup.

Preliminary assessments are prepared by staff in Ohio EPA's five district offices. These documents are kept on file in the central office and in the appropriate district office. The PAs are considered public information.

We are giving you this information to better enable you to address any possible inquiries from the public. We welcome any additional information, comments, or questions that you may have. Please feel free to contact Ohio EPA, Division of Emergency and Remedial Response staff at the following offices:

Central	Columbus	614/771-7505
Northeast	Twinsburg	216/425-9171
Southwest	Dayton	513/285-6357
Northwest	Bowling Green	419/352-8461
Southeast	Logan	614/385-8501

Sincerely,

Jennifer Tiell, Chief
Division of Emergency & Remedial Response

JT/tdl

Enclosure

cc: District Offices

KILGORE

6/10/85
Conversation w/ Fritsche

-Ohio E.P.A. very interested in efforts to clean up (at our cost!)

-E.F. talked to Asst. Sec. Defense & U.S. Army Corps. of Engineers

If Army had lease w/Kilgore, then Army could come in and do a thorough clean up.

If not Gov. owned or leased at some time, they cannot help.

Need to determine if any contract documents exist which would help determine status.

Conversation w/Red Bailey

-Warren Armstrong, Attorney, did a lot of work for Kilgore in late 40's but he has died--any other members of firm??

-John Ruyan worked for Kilgore in that time period. Red will contact him for help.

6/11/85

Conversation w/Bailey

-John Ruyan supervised some burial on Kilgore farm in late 1940's

-Also negotiated some contracts with government agencies at that time but has no copies of contracts.

-Kilgore made float lights of phosphorus for the Navy. Contract with Crane Naval Facility. Procurement agency at Crane, Indiana.

-Kilgore also made igniters for grenades and other weapons for the Army Picatinny Arsenal at Dover, N.J.

-Robert Long moved with Kilgore to Jackson, Tennessee. He is retired but Ruyan thinks he still lives there.

Conversation w/Fritsche

-Passed information on to Fritsche.

-He knew Warren Armstrong but did not know of the connection with Kilgore. The firm had 15+ attorneys--possible they have retained some of Armstrong's files. He will check!

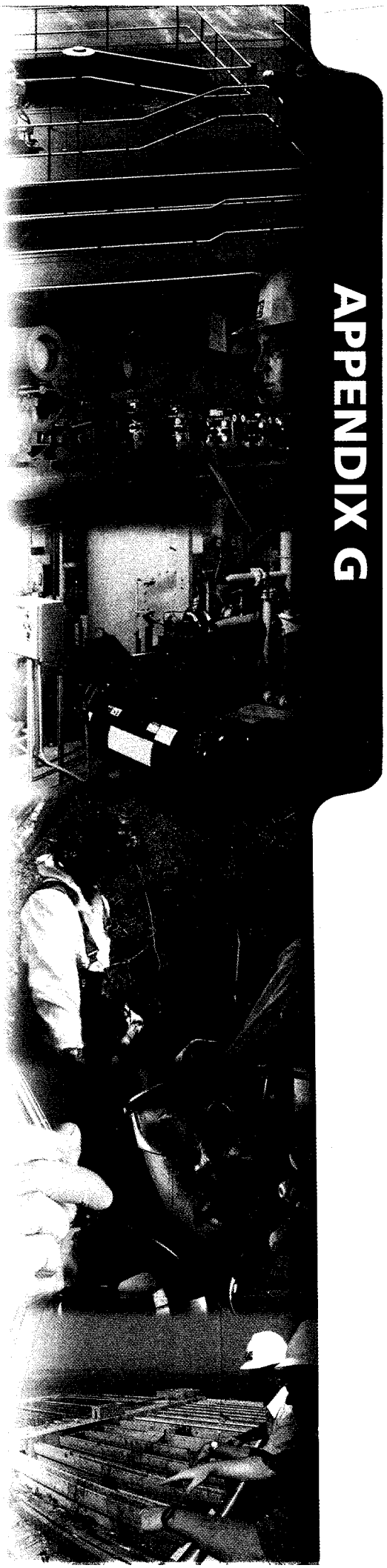
-E.F. has checked with Asst. Sec. of Defense but again not available today. Will try again tomorrow.

-"Super Fund" can possibly be tapped but they definitely would recover cost from owner.

This could still be to our advantage in getting a clear certification. Need to pursue as last resort.

Fritsche 882-2358 Home
Office

APPENDIX G



OC 010561

APPENDIX G

Newspaper Accounts - Kilgore Farm

#B47002 Dale Fister

Information given by Horace

The History of Kilgore

The Kilgore Manufacturing Company was incorporated in 1917 for the immediate purpose of manufacturing and selling toy cap pistols. In this year it began its business in Columbus, Ohio. A. J. D. Kilgore brought this plant from Hanse Manfacturing Company in 1917. Then in 1919 the company moved its operation to Westerville.

The company began operations in the small building just across the tracks which now serves as the receiving warehouse. That building contained 5680 square feet. It housed the office, maching shop, plating, assembly and warehouse. In 1919 the total employment was only about 30 employees.

Today the company owns and occupies 181,900 square feet (about 4 acres) of building space in its Westerville plant. The company also has sales offices in New York City, Chicago, and Washington D. C.

Henry B. Watking, the present President of the company, has been its General Manager from December of 1919 to 1942 when he became president of the company.

The International Flare-Signal Division was created within the company in 1929. In this same year the company began the manufacture of aviation and marine pyrotechnics. "Pyrotechnics" is the name applied by the trade to distress signals for airplanes and boats, parachotosuspended flares for emergency landing of airplanes at night, railroad and automobile fuses, parade torches and various signaling items for all branches of the armed forces. This division operates on what is known as the "south side" using Many of the individual buildings located there. This division makes the only complete line of emergency landing flares approved by the United States Civil Aeronautics Administration.

In 1935 Kilgore entered the field of plastic houseware. They started out with just two small machines but today they are one of the leaders in this industry. This plastic line carries the trade name "Shel-glo".

In the fall of 1949 the company purchased about 275 acres of land in Licking County, Ohio near Newark for the erection of a loading plant. This plant began production early in 1950.

Since 1929 the company has operated the plant known as MacDonald Metals and Plastics, in Waterlou, Quebec Canade. This corporation is wholly owned by Kilgore. It manufactures kitchen hardware, oil burning equipment, pistols and caps, plastic housewares and bathroom fixtures. It regularly imployees about 250 workers.

During the ware the Kilgore Manufacturing company was awarded two awardes which in Sept. 26, 1942 they were given the army and navy "E" award and on Nov. 12, 1942 the Ohio chamber of commerce presented to Kilgore a Certificate of Distinguished achievement.

OC 010563

Dale Fister

Information concerning Kilgore Mfg. Company, Inc. given by Mr. W.R. Mathias, in the Industerial Relations Department.

Westerville is the one remaining plant of a large corporation with Mr. B.R. Gehring as the President. This plant is compased of three branch plants. The Northside plant as No.1 - the Southside plant as No.2 , which includes the Kilgore Farm, located on Tussic Road, just north of County Line Road. This plant contains about one hundred buildings.

During World War ll Tip's City claimed one of Kilgore's plants and manufactured war supplies. After the war this plant was discontinued in 1947. In 1950 their Canadian plant was abolished as was the Newark plant in 1951. Plastics housewares carrying the name "Shel-glo" was also discontinued in 1955.

Kilgore now manufacture ten to twelve different types of toy cap pistols, and four different types of caps.

Pyrotechnics is another line they manufacture. Commercially the use of emergency flares, railroad and automotive fusees, parade torches and other distress signals. Military signaling items also other items that could not be explained.

The Westerville plant has easy access to trucking firms other then their own. Also at their disposal they have the Pennsylviana Railroad.

The plant has its' own cafeteria, which can serve their six-hundred employees. A large portion of these are women coming from Westerville and the surrounding area. The plant regularly employs six hundred and fifty. There are bowling and golf teams to keep these employees on friendly basis with one another.

Among the different departments there are shipping and storage; carpentery, electrical and machine shops. There employed professional services such as chemical engineers, chemists, civil and electric engineers, and various other types of qualifing jobs.

OC 010564

Dale Fister
May 17, 1956.

Kilgore Farm, located on Tussic Road, just north of Smothers, or County Line Road.

The Kilgore Farm was stabted in 1940 and is still in use. Its main purpose is for storage and other expermental work. There is an eight foot fence, which incloses about ten acres. Within these grounds there are twelve metal storage bins which are thirty by fifty feet. Also two storage magazines which stores cans and ammunitions. There are nine stone and concrete structures three of which are used for tumbling powder, three pressing buildings and three processing buildings. Also within this fence are a boiler house, a change house and a red brick caretaker's house, in which Mr. Leonard Day and his family occupy. This house is in the west center and all the aforesaid buildings are in the north east corner. There is also a water tower locate just back of the caretaker's house, which consist of 75,000 gallons. This tower is one hundred and seventyfive feet high, and is able to furnish water to all buildings. There is within this enclosure a waste pit in which all waste powder is burnt. The pit is eight feet deep and fifty feet ing diameter and when the powder is burnt the smoke can be seen for miles around. This pit is located in the southern eastern part of the grounds. A pelting division in which all types of pelts are processed.

In the year 1955 there occured a major accident in which a man and a women died and others were hurt. The explosion blew one concrete structure down and caused a great deal of damage. The cause was undetermined.

This information was contributed by Mr. Leonard Day who resides in the red brick caretaker's house., located on the Kilgore Farm on Tussic Road.

OC 010565

BUSINESS-KILGORE MANUFACTURING COMPANY

#B47003

Kilgore Enters Toy Field

Mr. James P. Wray, president of Kilgore, is shown with the new exclusive toys Kilgore will manufacture.

Using forty years of toy building experience as a springboard Kilgore, Inc. electrified the 1958 American Toy Fair with its entry into the mechanical and electronic toy field. The "Robot Hands," "Junior Dynamite Blaster" and "Fastest Gun" Game designed especially for Kilgore by Marvin Glass & Associates, America's foremost toy designers, gained immediate acceptance with the major toy buyers and will take their place among the great new toys of 1958.

Jack Parr, star of NBC's Tonight Show and Dave Garroway, M. C. of NBC's Today Show, both featured live demonstrations of the new items coast to coast during Toy Fair Week and gave promise of the fine promotional opportunities available throughout the rest of the year.

Mr. James P. Wray, recently appointed president of Kilgore, sums up the company's decision to enter this new field in this manner.

"The very history of Kilgore dictated our decision to enter into the manufacture of exclusive toys. The company was one of the first to manufacture cap pistols, iron automobiles, and airplanes. The first company to enter the plastic houseware and toy fields. Some old timers will recall the original E-Z Fly Kites and doll furniture lines. Why shouldn't we pioneer promotional toys designed for our modern children? Toys created to satisfy the desires of children living in "America 1958."

"Good, hard, honest effort from all of our employees can help build a company that not only will benefit the individuals directly participating but also the entire community".

The new "Robot Hands" consists of two fifteen inch long space age—atomic age mechanical hands—beautifully constructed to give the precise leverage and balanced finger tip control necessary to pick up objects of all shapes and sizes. A fascinating toy with a personality of the future for children of all ages.

The "Junior Dynamite Blaster," number one winner of the Science and Mechanics Toy Inventors Award, blows up everything harmlessly. The toy has an authentic blasting sound and when the plunger is pushed, soft plastic blasting unit erupts throwing blocks into the air. The blocks are made of light fireproof Styrofoam and are completely harmless. The dynamic action of the "Junior Dynamite Blaster" simulates the great American quarry industry.

The "Fastest Gun" is a battery operated electronic "draw" game. At last electronic proof of who can draw the fastest. The game consists of one electronic speed indicator, two western style toy cap pistols with patented "built in" electronic timers and two holster sets complete with belts and leg ties. The "Fastest Gun" is a game for two players and actually indicates within one ten thousandth of a second the child who can draw his electronic pistol from his holster and fire it the fastest.

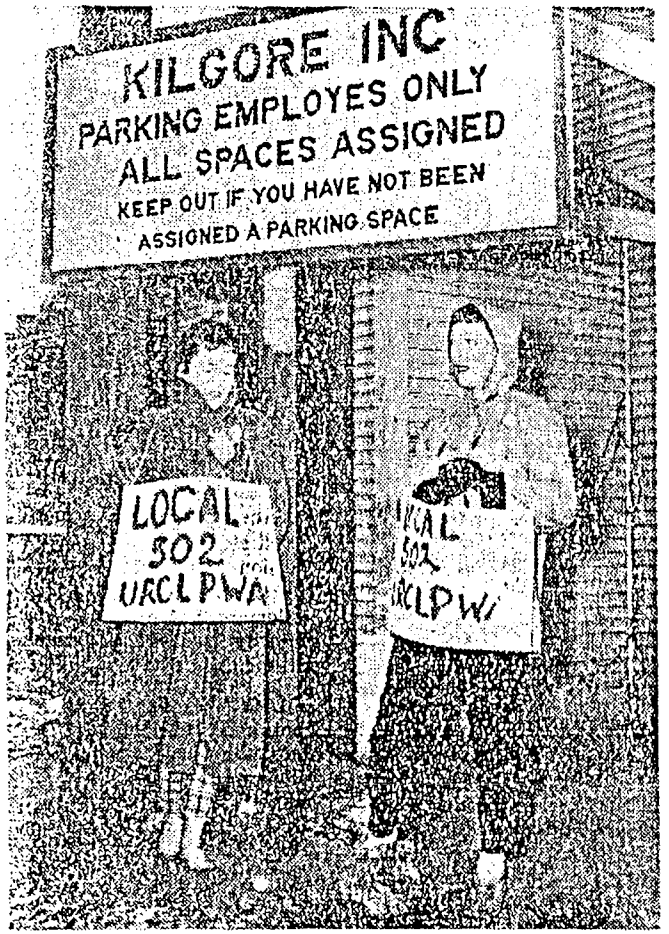
—o—

PUBLIC OPINION
APRIL 3, 1958

OC 010566

BUSINESS-KILGORE CO
PUBLIC OPINION
FEBRUARY 16, 1956

OC 010567



Claim Two Firsts

These women pickets claimed two firsts: First strike in history of their employer, Kilgore Co., Westerville, and first strike in year-old history of their own union. Left to right, Mrs. Margaret Shilling, 1198 Minnesota-av, Columbus, and Mrs. Joyce Tipton, 44 W. Main-st, Westerville. (Another picture and details on Page 2.)

Keeping Up Spirits Of Pickets

Doughnuts and coffee keep up spirits of these pickets at Kilgore Co. plant in Westerville. The cap pistol manufacturing concern was struck today as the production workers' union contract expired.

#547004

#B47001

HARVARD UNIVERSITY

GRADUATE SCHOOL OF BUSINESS ADMINISTRATION

GEORGE F. BAKER FOUNDATION

E. N. FUNKHOUSER, JR.
Special Assistant to the Dean

SOLDIERS FIELD
BOSTON, MASSACHUSETTS 02163
TEL.: (617) 495-6328

November 26, 1973

Mr. Sanders A. Frye
145 West Home Street
Westerville, Ohio 43081

Dear Sandy:

Re: Kilgore

The only thing I changed was "Trustees" to "Directors." The report is entirely accurate and concise. This should be recorded. I thought you handled the Billie Sol Estes part very well.

Am looking forward to the meetings in the R.R. room.

Hastily,

enclosure

OC 010568

KILGORE FARM DECONTAMINATION

In the fall of 1961 Elmer Funkhouser Jr. and I were having lunch at Williams Grill and Elmer being a grad of Otterbein in the Class of '38 knew about the Kilgore plant and asked me if it still existed. I told him that the operation had moved to Tennessee and the Westerville plant was idle and for sale. It occurred to him that tax-wise it might be more profitable for the owner to give the property to Otterbein than to sell it. We contacted the local Kilgore representative and learned that the property was owned by Commercial Credit with offices in Baltimore, Maryland. Elmer contacted the chairman of the board of ~~Trustees~~ DIRECTORS of the company, a Mr. Grimes, and was told that Otterbein would get the property as a gift.

At the next meeting of the Board, it did not agree with Grimes and the deal was off. A short time later it came to light that one, Billy Sol Estes, in the Southwestern states was selling fertilizer at less than what it cost to manufacture. Commercial Credit was apprised of this fact and took steps to get payment of a $2,000,000.00 debt owed to them by Estes. Shortly afterward, the Estes shenanigans blew up and became news all over the USA. At the next meeting of the Com-

OC 010569

mercial Credit Board of ~~Trustees~~ DIRECTORS, they reconsidered and Otterbein College was the recipient of the Westerville Kilgore property.

The Otterbein College Trustees refused to accept the gift unless the business manager (Sanders A. Frye) would get professional help from the Army Ordinance to decontaminate some six acres of the 110-acre farm which was part of the Kilgore holdings. It was learned that Kilgore when they were engaged in the manufacture of detonators and other explosives during World War II ~~when they were making~~ had simply hauled all rejected explosive material out to the farm and buried it. It was also learned that Kilgore had made an attempt to decontaminate the property after the war and had obtained the services of a retired Army Ordinance officer for this procedure. On the very first day ~~of the project~~, a man was killed on the project. All work was stopped and never started up again. You can understand why the Otterbein Trustees were a bit reluctant to assume that responsibility.

The business manager contacted Fort Hayes in Columbus and a lieutenant and sergeant came out to look the situation over. They said that the project was far beyond their abilities and that Fort Meade in Maryland would have to be contacted. This was done and Fort Meade immediately contacted the Pentagon. As time went on the

OC 010570

business manager was getting copies of correspondence between Meade and the Pentagon but nothing was being accomplished. The next step was to contact Samuel L. Devine, our Congressman. He was in Columbus at the time but an appointment could not be obtained. The next step was to contact our Judge Troop. One hour later Judge Troop, and Sanders Frye were sitting in Representative Devine's office in the Federal Building in Columbus. Some two days later a phone call from Devine in Washington to the effect that a telegram was on the way to the commanding officer of the Army Ordinance Depot in Joliet, Illinois from the Pentagon telling him to meet with the business manager and arrange for professional help on the project. They met in Joliet the next day. The Army provided the services of a civilian expert for the job at a cost of $500.00 per week. Work was finally getting under way. It was learned through the Barberton Ordinance plant that all equipment used had to be mounted on rubber and all tools used had to be made of bronze to avoid sparks. We were also told that everyone on the job had to wear white coveralls and that they had to be washed in a flame proofing solution every day. The Columbus Fire Department was contacted and the flame-proofing solution was flown in by Air Express from New Jersey. We found that the explosives

had been buried in trenches some of them 5 feet deep and back-filled with dirt. Over the years grass and weeds had grown up and had to be moved before the trenches could even be found! A few of the trenches had been staked out and most of them were wrong.

As soon as the dirt was removed and explosives discovered, they were dug out and removed by hand. The method used in destroying them was to place a layer of loose hay about a foot deep on the ground and some scrap wood on top of that. The explosives were scattered over these combustibles and the fire touched off at night. The detonators were placed inside of old rubber auto tires so that none of them could be accidentally blown to one side without exploding. To destroy the dynamite caps, a hold was dug in the ground and the caps and small explosives were fed down a metal trough into a fire in the hole. Over 2,000 bales of hay and 2,600 tires were used in the demolition. The tires would be blown some 100 feet into the air when the detonation went off.

After some two months, the area was finally cleared and a letter received from Army Ordinance saying that some 120 tons of explosives had been destroyed and the ground could be used for any purpose.

The civilian expert made the statement that as far as he knew it was the largest deconntamination projectof its kind in the USA.

Sanders A Frye

-30-

OC 010572

BUSINESS-KILGORE MANUFACTURING COMPANY

Federal Agents Investigating Fatal Westerville Explosion

Part of War Plant Wrecked in Blast

The FBI and the Army today are investigating an explosion and fire which killed four persons at the Kilgore Manufacturing Co. plant at Westerville yesterday.

Cause of the blast is still unknown, but there is no evidence of sabotage, according to the public relations office of the Fifth Service Command. The explosion and fire destroyed a brick building in the ordnance section of the plant.

Three women and a man are listed dead. They are:

Mrs. Mabel Seely, 21, of 2602 Beulah-rd.

Mrs. Clara Daugherty, 44, Dublin.

Mrs. Betty Jane Case, 23, Flint.

Harold W. Smith, 49, Westerville.

The victims were the only persons working in the building.

Dr. John B. Gravis, coroner, said the bodies, which were taken to the Fichner funeral home, Westerville, were burned almost beyond recognition.

Firemen and plant fire protection men fought the resulting blaze for an hour and a half, bringing it under control at 4 p. m.

Damage was confined to the building in which the explosion occurred. Sheriff Jacob E. Sandusky said the small building was used for "loading" purposes.

The interior was wrecked, and most of the roof blown off. The walls remained standing, firemen said. The structure, an auxiliary building to the main plant, is located in E. Broadway near the center of the village.

There were about 715 employes working at the plant when the explosion occurred. Company officials said the blast would not interrupt operations in other sections of the plant.

Cause of the explosion has not been determined. Federal Bureau of Investigation representatives were called to the scene, apparently in an effort to determine the

(TURN TO PAGE 3, COLUMN 8)

Mrs. Seely

Mrs. Case

Mr. Smith

Mrs. Daugherty

Four Persons Die In Factory Blast

(Continued From Page 1)

cause of the blast, the sheriff's office reported.

No Damage In Village

Firemen were successful in their efforts to confine the blaze to the original building and kept it from spreading to buildings containing explosives. A preliminary check-up revealed no damage from the blast to other buildings in the village.

Plant guards and sheriff's deputies flung a cordon around the plant to keep away spectators attracted by the explosion and dense clouds of black smoke which rose high into the air. A canvas was placed on the fence surrounding the extensive plant layout, and spectators were unable to see inside the grounds.

One witness who left the building just before the explosion said a body was hurled into the air, but she could not tell whether it was that of a man or woman.

Ambulances on Scene

In addition to fire equipment, a McConagha ambulance and two ambulances and an emergency truck from Fichner funeral home were summoned to the scene.

Before the war the plant manufactured fireworks, toy pistols and plastics. With the taking on of war contracts, facilities were expanded in the plant, which is located about a block northeast of Westerville. The firm has been awarded the Army-Navy "E".

Mrs. Bessie Smith, wife of the man, Harold F. (Tate) Smith, killed in the blast, arrived at the scene shortly afterward.

"I didn't know whether my husband had been killed," she said, "but when they carried the last stretcher from the building, I could tell by the form under the blanket that it was he."

Started Work on Monday

Mr. Smith, who lived at 95½ N. State-st, had begun work at the war plant only last Monday. He had previously worked at the Jaeger Machine Co. here.

Funeral services will be at 2 p. m. Sunday in Westerville Presbyterian Church, and burial will be in Smith Cemetery, east of the village.

Surviving in addition to his widow are a daughter, Mrs. Wanetta Bodine, of the home; a grandson, Monte, 7 months, and a sister, Mrs. Hazel Bennett, Westerville.

Melvin Case, husband of Mrs. Betty Jane Case, is serving with the Coast Guard. Services will be at 9 a. m. Monday in St. Paul's Catholic Church, and burial will be in St. Joseph's Cemetery.

She was a graduate of Worthington High School in 1939. She had worked at the Kilgore plant a year and a half.

Also surviving are a daughter, Caroline 3, and her parents, Mr. and Mrs. Andrew J. Essman, also of Flint.

Husband Died in War

Mrs. Seeley's husband was killed Oct. 7, 1943, while serving with the Army in Italy. Services will be held at 2 p. m. Monday at the Beulah-rd residence. Burial will be in Union Cemetery.

Surviving are the mother, Mrs. Florence Welch, at home; the father, Richard Mayes, Columbus; two sisters, Mrs. Frances McClarey and Miss Marie Mayes, both of Columbus, and two brothers, George and Allen Mayes, Columbus.

Mrs. Daugherty, who had worked at the plant two years, is survived by her husband, Homer D. Daugherty; two sons, Harley and Glenn, and a brother and four sisters.

Her body was taken to S. E. Corbin & Son funeral home, Worthington. Services will be at 2:30 p. m. Sunday in Dublin Community Church, and burial will be in Dublin Cemetery.

COLUMBUS CITIZEN
MARCH 3, 1945

OC 010573

BUSINESS-KILGORE MANUFACTURING COMPANY
NEWSPAPER & DATE UNKNOWN
#B47010

Now Let Me Tell You

About One of War's Victims

By Johnny Jones

NO opera, no classic of the ages nor any mechanical movie plot ever had such a scene as that at the flower bedecked bier of pretty Peggy Kauffman, the first local girl defense worker to be killed in the service of her country when one of those things that happen in war snuffed out her life while she was at work at the Kilgore plant in Westerville.

Her brief life has been packed with drama. The youngsters up at Worthington high school elected her queen of their 1940 class. They thought first of her beauty but underneath there were the qualities of leadership and personality or the ballot would not have mounted over rivals. She stood above the crowd.

Jones

Geologists say that up near Flint where you have the big shale banks is where the glacier stopped. This is where Peggy lived. As stupendous as ice the great glacier of war engulfed the little community as it has millions of other small communities of the United States.

It changed her life, put her in slacks and like thousands of other girls fit to be called queens, she went into industry. It was a strange work. It was "her part" in this big war effort.

Like other girls Peggy had a boy friend who was in the army. They were engaged to be married. Letters went back and forth and they, too, waited for the war to end and built their air castles.

When the accident happened Peggy thought of her face. It was not burned but her hands were terribly burned. There was a ring on that hand and that worried her.

IN the trip to the hospital that boy friend's name was repeated and repeated. But he was far away in California, a part of the team that was helping to win the war. His is a direct effort for he is in the air force. No one ever thought that the queen part of this war effort team would die.

If she had died in Africa as a nurse, a WAC, a SPAR or in the Red Cross service, recognition would have been complete. She rated just a news story. No volley, no flag in an official manner. But here is what a pretty brave girl did rate. She was brave when she died and so her nurse called me on the phone and said: "Why don't you say something about Peggy Kauffman on the air on in your column?"

I talked about her on the air Sunday night and thought the story ended, but there was more to come, a beautiful part of the story in the tribute paid by her fiance, the flier.

When her fiance was told by his commanding officer of the tragedy he broke down and was hospitalized. The Red Cross then arranged for him to come home and Peggy's funeral was delayed. It looked as if he would not arrive in time so the boy's mother purchased a white orchid and placed it in Peggy's hair as she lay in the casket and said: "Peggy this is from both of us."

Then a great bomber, one of those that annoy some people because of their noise, came in. It had a seat for Peggy's lover. The boys brought him in a bomber deep in the night clear across the continent. He arrived in time.

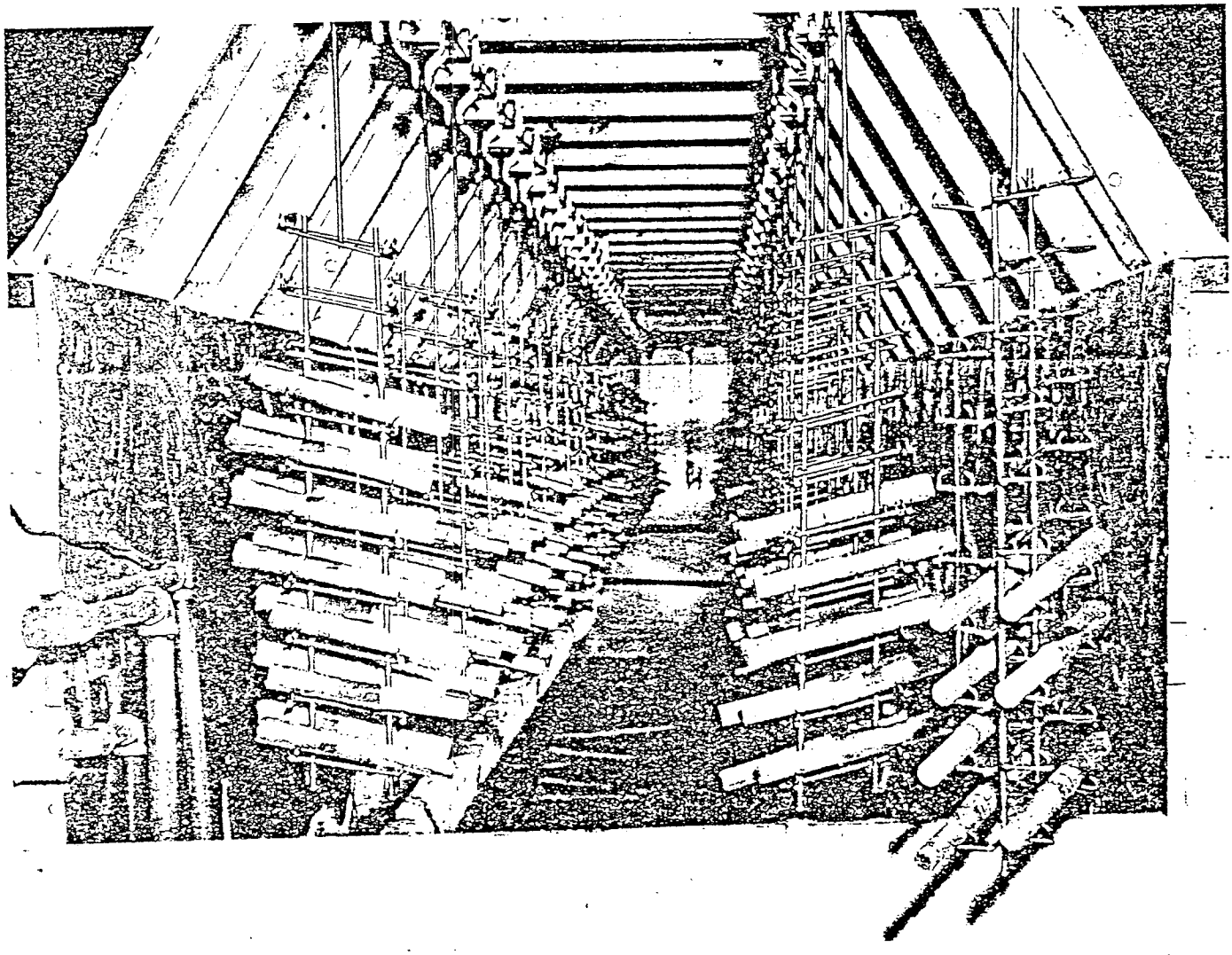
THERE was his queen and his whole world had gone to pieces for him. He was brave now and he wanted to do something special as a last gesture so Peggy Kauffman's fiance ordered the bridal bouquet she would have worn had she lived. He placed it in the casket where she lay with gloved hands to hide the burns and attired in a jacket suit she had especially liked.

And then came the gift of his wings. He had worked hard for the wings he wore on his left breast. Peggy had been proud when he won them. Wings today, you know, are a mark of achievement in the lives of boys and girls.

So he pinned the wings to her jacket and as he did so the pin pierced and made fast a little note and on it was the loveliest tribute of all, the beautiful phrase somebody brought into our language: "Till we meet again."

OC 010574

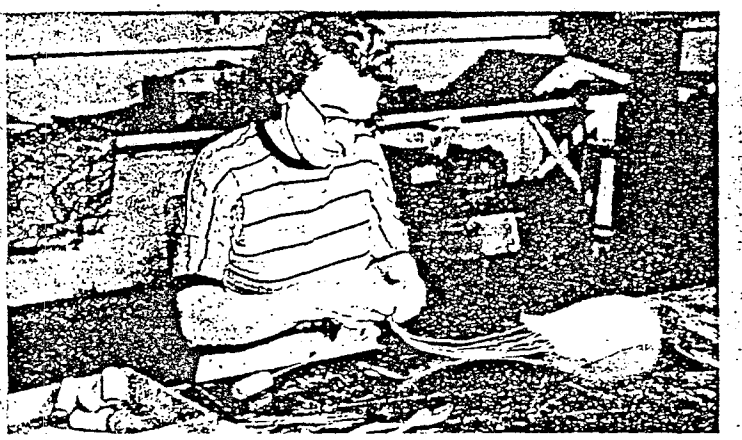
LIFE-SAVING FIREWORKS



To protect the flares which play such an important part in transportation disasters, carefully controlled drying ovens "set" the wax coating.

OC 010575

Dipped in wax, flares are hung up to dry at the Westerville firm.



Parachute flares are rigged as carefully and in much the same way as a regular parachute. A life may depend on the chute's functioning properly.

At Sea, on Highways and in the Air, Flares Made in Westerville Signal Danger

TWIN black hurricane flags were cracking in the wind from Hatteras to Sandy Hook. The fourth howler of the season, tearing in from the emptiness of the Caribbean, was threatening the densely populated Middle Atlantic coast, and craft of all sizes had taken cover.

It struck at dusk. Wind, rain and surf combined to make an almost solid sheet of flying water. A crew was standing by in an isolated lifeboat station, monitoring signals from a lone trawler caught off guard and unable to make port.

Then the boat struck a glancing blow against a shelf of rock just offshore, piled up and settled into almost vertical list. The trawler was going down.

The Coast Guard crew still huddled in the radio shack on the beach. No word from the trawler for an hour now. Then one of them shouted, and the crew poured out onto the storm-swept beach—a brilliant red rocket was blossoming overhead in the rain. Another shot skyward and burst in a shower of starry red light. Now they could see it—only a few hundred yards from the beach and settling hard.

One of the men ran into the shack and brought out a box with a coil of line, while another carried what looked like a "Buck Rogers" ray gun. It was a hand-held rocket-launcher that could toss a line from the beach onto the deck of the stricken boat.

The same night of this coastline rescue, a huge diesel trailer truck was climbing a steep grade in the Rockies. As it rounded a tight bend, the left front tire went off the pavement and struck a sharp rock. The tire blew on the spot, leaving the truck half-blocking the road.

The driver climbed down from the cab, chocked the wheels with rocks from the side of the road, then trotted back around the last curve and lit a bright red flare. Another flare up the road ahead and one near the truck not only warned other traffic, but gave him light to change the wheel. Only seconds after the flares were lit, a convertible came buzzing down the mountain road. But the flare was like a policeman's warning hand, and the driver slowed down until he had the car well under control.

Late that evening, in Westerville, a family was about ready to turn in for the night. They had been listening to the news—about the damage the hurricane had already inflicted along the coast, about the snarls in communications and transportation it caused, about the heroism it sparked—and about the rescue of a crew of a fishing trawler that had run aground just offshore from a Coast Guard lifeboat station.

The woman sitting in her living room in Westerville had played an important part in that rescue.

As one of the hundreds of employes at Kilgore, Inc., she has a role in just about every disaster at sea, every aerial search and many highway mishaps, for Kilgore is the world's largest manufacturer of emergency flares and signal devices. Most folks have known the Kilgore name ever since they were kids. Cap guns and caps with the Kilgore name are found around the world. And, it wasn't so long ago that Kilgore fireworks were a big item on the Fourth of July.

Today Kilgore still makes cap pistols and other toys in a big way. In fact, the company is the largest maker of toy pistols in the world. But across the road from the toy plant is another operation—one devoted to the serious business of saving lives, the "International Flare-Signal Division."

Kilgore's Flare-Signal Division almost grew up with the aviation industry, its product having been used in airliners and in private and business aircraft for nearly a quarter century.

Emergency landings are pretty rare things in aviation, but now and then a pilot will find himself in a tough predicament due to sudden change in weather or a rare mechanical failure. With landing flares aboard, he can illuminate almost 25 square miles at night and get a good idea of just what the terrain and obstructions are. The flare burns long enough to give the pilot time to select a likely emergency landing spot and to set up on his final approach, even to complete the landing.

Other flares are used for signaling. When a plane is down, the pilot can use a rocket to attract attention of searchers.

The flares, smoke signals and die markers made by the Westerville firm provide airmen and boatmen a real ace-in-the-hole in the event of disaster. Flares fired from the ground can be seen as far as 36 miles. This gives ground and air searchers a real pinpoint on which to concentrate.

While the parachute flares, flare pistols and rocket line launchers are the romantic items of the Kilgore pyrotechnic division, highway flares are probably the most widely used. Air and sea disasters are few and far between, but highway mishaps are daily occurrences. Police records show that all too often nothing more than a flat tire at night has lead to a fatal accident when another motorist, unaware of anything on the road ahead, has slammed into a stalled car or struck a person changing a tire.

Recognizing this danger, flares are mandatory on buses, trucks and other commercial vehicles in almost every state. Highway patrolmen carry them to mark out danger spots caused by a night-time accident. In some states in recent years there has been increased pressure in legislature and among insurance companies to make flares a necessary part of the equipment of all motor vehicles.

Visible for a good half-mile at night, they provide a "slow-down!" signal that's recognized universally. Insurance companies say many more lives would be saved by wide use of this type of device.

While flares are made of combustible products, they can be carried with complete safety. Kilgore officials say that they may be stored indefinitely without deterioration and can be safely kept in the

(Continued)

OC 010576

COLUMBUS DISPATCH
MAY 11, 1958

FLARES, continued

trunk or glove compartment because they are not subject to spontaneous combustion.

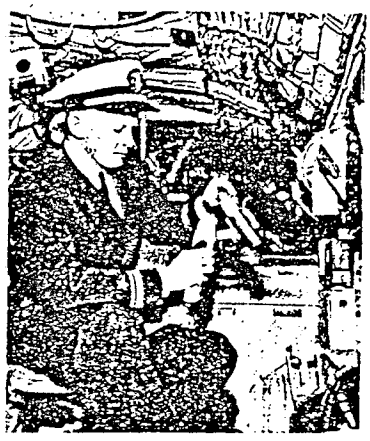
While the use of flares is still up to the individual driver, the ways in which such warnings are used by commercial vehicles are controlled by law. A multi-million dollar airliner can be grounded on the spot if an inspector finds flares aboard which are "out-dated." Any boat under Coast Guard control and weighing more than 300 gross tons operates illegally without flares.

A distress signal cannot be fired except in the case of emergency. And, when a signal is sighted, it must be reported and investigated.

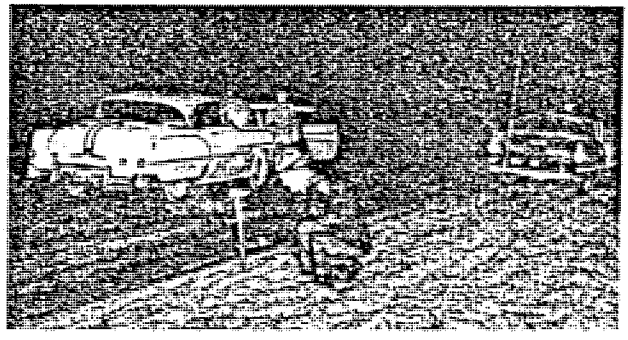
Failure to investigate a series of rockets resulted in the worst sea disaster in history—the tragic loss of more than 1000 lives on the *Titanic*. Back in 1912, radio equipment was not carried aboard all ships, and its role as an emergency device was not fully recognized or appreciated. So, there were times when no one monitored the set. When the *Titanic* struck the fatal iceberg that April night, she immediately began firing rocket flares and sending radio distress signals. Both were "received." While the nearest radio was on a ship nearly 100 miles away, just about on the horizon—only 15 miles away—the *S.S. California* lay almost motionless because of the fog. She saw rocket after rocket rise into the heavens but ignored them, thinking someone was merely getting carried away with a last-night-out celebration. Finally another crew member sighted the *Titanic*'s lights, but they were sinking from view—"over the horizon," he thought, not beneath the waves. It was not until morning that the truth of the rockets and "receding" lights was learned by the *California*. Today, not investigating such rockets would be cause for severe penalties.

Next time you take a trip anywhere in the world by bus, train, airplane, or ship, tucked away somewhere aboard will be flares and signals—just in case—made by Kilgore in the quiet little village of Westerville.

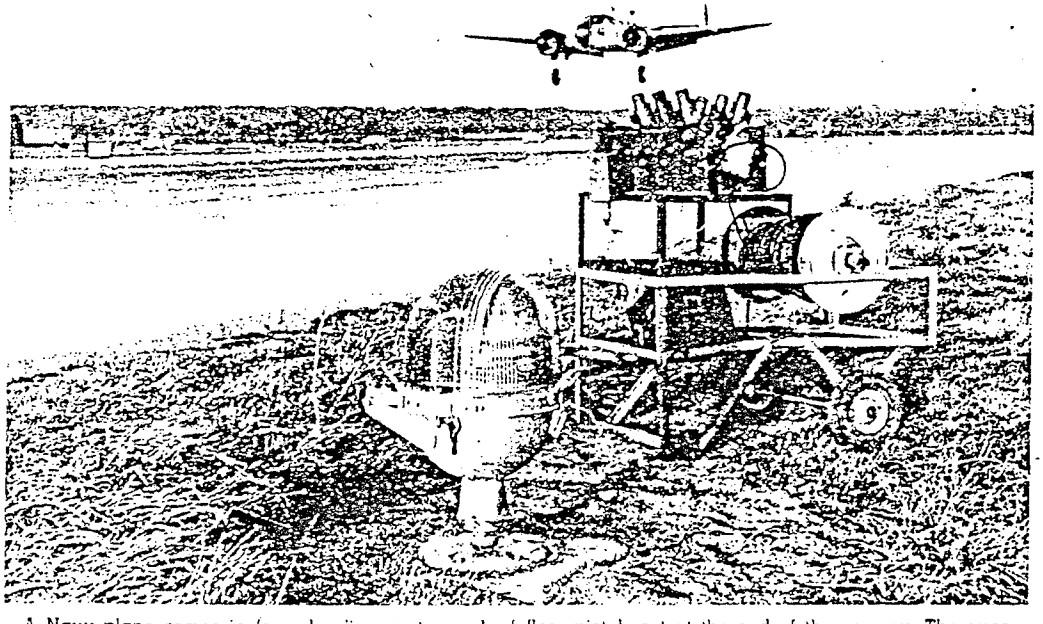
(The End)



Navigator aboard a Navy sub-hunter checks a rocket pistol that can fire a flare through a port above the navigator's head.



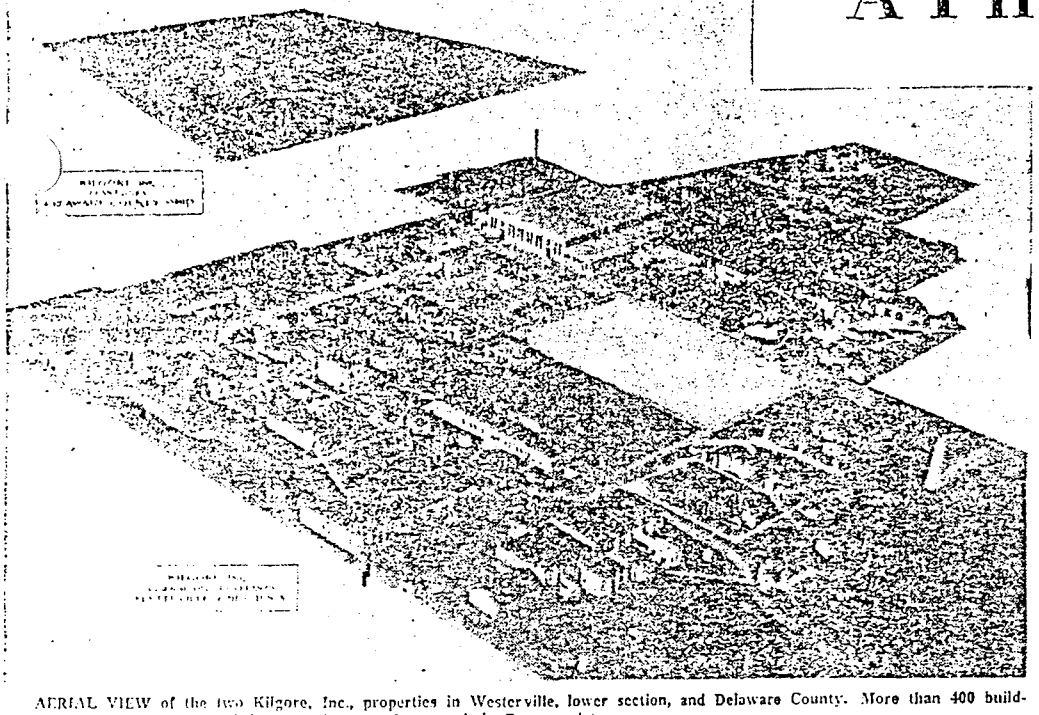
All Highway Patrol cars carry flares to be set out in case of accidents along the road at night. Flares warn other motorists.



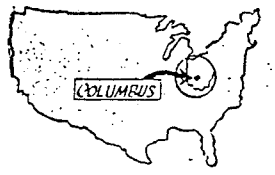
A Navy plane comes in for a landing past a rack of flare pistols set at the end of the runway. The guns are fired by remote control to warn the pilot in the event that he is about to touch down with his wheels up.

OC 010577

A Pile Of Guns For



AERIAL VIEW of the two Kilgore, Inc., properties in Westerville, lower section, and Delaware County. More than 400 buildings dot the two tracts used for manufacture of pyrotechnic flares and toys.



Kilgore, Inc., Of Westerville, High In Cap, Cap Pistol Production

Every commercial airplane which flies the skies over America today carries a product of Kilgore Inc., of Westerville in it.

These are pytrotechnic flares, and the local concern is the only company which has CAA approval for their manufacture.

BESIDES ITS PYROTECHNIC DIVISION, Kilgore also operates a thriving toy business and probably has armed half the kids in America with cap pistols and caps.

Founded shortly after the first world war by Joseph Kilgore, prominent Columbus businessman, the company was reorganized in 1951 and now is headed by Ben R. Gehring, president and general manager.

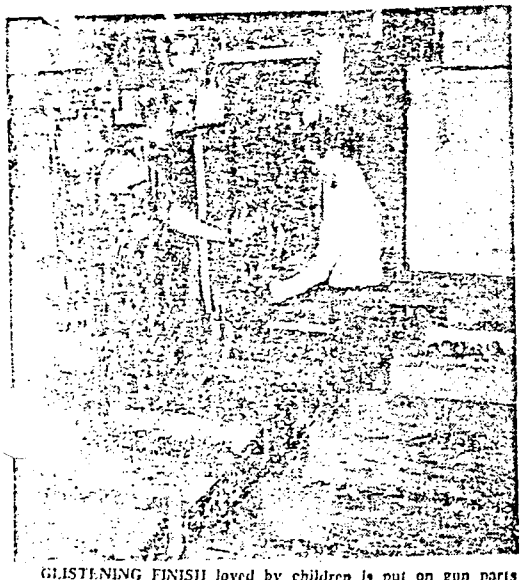
More than 700 employes work at the plant which covers 34 acres on Westerville and an additional 100 acres in nearby Delaware County.

OPERATIONS AT THE COMPANY are divided into the pyrotechnic and toy divisions. At the pyrotechnic section flares are made up to 1 million candlepower in all colors for air lines and the Government.

More caps are manufactured at the local plant than in any other plant in the world. Cap pistol production also is high among the leaders. Annual business done by the firm is in excess of $5 million.

DIE CASTING machine operated by Raymond Karn of Westerville turns out all metal parts for up to three complete cap pistols in one operation.

EXCESS METAL is cut away from the die cast gun parts at this trim press operated by Mrs. Ollie Moore of Marengo. Machine can trim 3000 "shots" a day.



GLISTENING FINISH loved by children is put on gun parts at this automatic plating machine operated by John Boggs, left, of Canton, and Amos Atkins, Columbus. Finish is white brass.

PILE OF PARTS marks the work bench of Carnet Calley, Westerville, where final assembly is begun. One assembler can put together up to 1100 guns a day.

FINISHED PRODUCT brings a wide smile from Bruce Spratley, 4, son of Mr. and Mrs. William Spratley, Worthington. The guns, holsters and wrist cuffs are all Kilgore made.

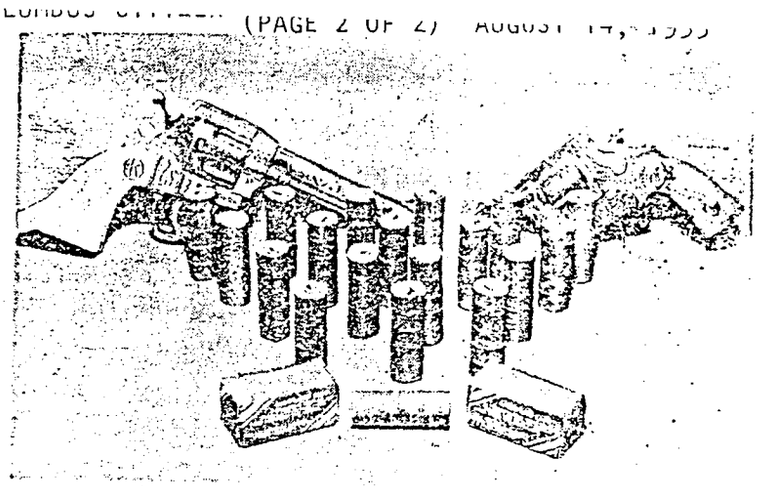
OC 010578

BUSINESS-KILGORE MANUFACTURING COMPANY

Little Buckeroos'

#B47016

FINAL INSPECTION and packaging is the job of Mrs. Agnes Gassaway of Powell. A pile of completed pistols lies in the foreground as she rapidly folds boxes for individual packing.



OLD AND NEW in the cap pistol business are illustrated here. At right is the 1934 model "Ranger" pistol and at left the larger 1955 model.

COWBOY HOLSTERS are another big item at the plant. Here Mrs. Nealie Price of Westerville

OC 010579

Public Opinion
3/25/94
page 1 & 2
B47029

City isn't only party interested in Kilgore tract

By Katy Delaney
and Susan Brohman

Otterbein College is having active discussions with people interested in buying the 110-acre Kilgore farm property.

But while at least one prospective buyer — the city of Westerville — thinks potential cleanup of the site is a major issue, Otterbein officials do not.

"We've done a lot." with respect to cleaning up the site, said Otterbein President Brent DeVore. "At this point we feel we have done our part on this."

"As we have had conversations with prospective buyers, we have opened all our files to them so they can see what we've done," DeVore said.

The land, located northeast of County Line and Tussic roads, was formerly owned by Kilgore Manufacturing, a Westerville company that made toy guns and caps, as well as manufacturing flares and some munitions for the U.S. government during World War II. The old farm was used as a dumping ground during the war effort for munitions that failed inspection.

Westerville is interested in the site as a park site, said City Manager Dave Lindimore, but has not made a firm offer.

"We've just had conversations so far. We are actively talking with them, and have had some good dialogue," Lindimore said.

In addition to the city, Otterbein College officials are also talking with private developers interested in the land, DeVore said.

City Councilman Stew Flaherty said while he still thinks it is a good site, despite its past history, the potential cleanup costs are an issue and will be directly linked to the purchase price of the land.

"That's when it gets to be kind of difficult — the cleanup," Flaherty said.

> ***"We want to come up with the best plan for Kilgore and the plan that will best serve the community."***
>
> **—Brent DeVore**

The city has hired an engineering firm walk the site and to make a report on any potential problems or cleanup efforts that would have to be made before the land could be used.

Lindimore said the city's idea for the land use is, "a unique approach," and not a straightforward purchase. He would not go into details.

Flaherty said the city is pursuing an idea that would, "try to find a way both the city and Otterbein can use it. ... It would require much more of a partnership effort."

He said the deal does not involve any swapping of land, but takes into account the potential cleanup problems that might exist.

The city prefers establishing the "unique arrangement," Flaherty said, "rather than go in and just say it's a pure cash deal — with uncertainty of the cleanup. From the city's standpoint, it makes us kind of nervous," Flaherty said.

DeVore doesn't expect to have anything decided by the April 16 college Board of Trustees meeting since board member Edwin Roush, who is dealing with the issue, is still in Florida.

The Kilgore property will be discussed at the April 16 meeting but no decisions are expected to be made.

"I don't anticipate a sale at the April 16 meeting," he said.

The college is in no hurry to sell the land, DeVore said.

"We want to come up with the best

See TRACT *on page 2*

Continued from page 1

plan for Kilgore and the plan that will best serve the community."

"We are interested in selling the property," he said. "We are not interested in co-development. We are in the business of education, not in land development."

The tract also is in the general area where a citizens committee recently recommended that the city locate a third fire station.

OC 010580

Westerville News & PO
11/20/96
pg 1 & 2
B47031

Old Kilgore farm 'junk' is exploded

By KAREN ADLER
Suburban News Reporter

Loud explosions heard last week by residents throughout northern Westerville were nothing more than "junk" being blown up by the U.S. Army at the old Kilgore farm property, said a Columbus developer whose company now owns the land.

Bill Keethler, of the Keethler Cos., said if he had known an explosive ordance disposal unit from the U.S. Army at Wright-Patterson Air Force Base was going to blow up materials found on the property without contacting nearby residents, he would never have allowed it to happen.

"We have found nothing of an explosive or incendiary nature whatsoever. There was nothing 'live.' "

—Bill Keethler
owner of the old Kilgore farm

The Keethlers Cos. recently purchased about 110 acres of the old Kilgore farm property from Otterbein College. The land is located on the east side of Spring Road, just north of Heritage Middle School, 390 N. Spring Road.

Though the land already has twice

See JUNK, *Page 2*

'ontinued from Page 1

ndergone environmental lean-ups by the U.S. Army, he Keethler Cos. is conucting its own cleanup in reparation for a housing evelopment to be built on ie site.

Once the city's major mployer, the Kilgore Manfacturing Co. started makig cap guns and other chilren's toys around 1920, nd then began manufacring munitions during Vorld War II. The compay moved out of Westerville in 1966.

During the war, defective munitions including phosphorous flares as well as leftover parts and equipment were reportedly buried in pits on the property.

Following the war, the Army excavated the property and took away any hazardous or dangerous materials, said William Lawhon, of Lawhon and Associates, an engineering consulting firm hired by the Keethler Cos. to make sure the site is safe. Otterbein funded another clean-up of the site after receiving the property in an estate gift.

"We are double-checking and triple-checking to make sure the Army got everything out," Lawhon said. "We're digging in all the pits to make sure nothing's there."

What was found amounted to be two partially-filled, five-gallon buckets of deactivated primers, fuses and canisters and other plastic remnants, Lawhon said.

The debris couldn't be lit on fire, even if it were held to a flame, Keethler said.

"We have found nothing of an explosive or incendiary nature whatsoever," Keethler said. "There was nothing 'live.' "

The Environmental Protection Agency, however, would not issue a burning permit to destroy the materials, Keethler said.

Because of the history of the property, the Army was called to dispose of the buckets.

Rather than haul the buckets off, the Army chose to explode them, Keethler said. Had he been in town Wednesday and Thursday, Keethler said he would have nev allowed the army to explo the buckets.

"We would have haul them away ourselves," I said. "We were just trying the right thing by calling t military."

The Westerville Divisic of Police received about 5 phone calls from citizer who wanted to know wh the explosions were, said L Don Richardson.

Both the Westerville polic and fire department provid ed security while the Arm exploded the buckets.

OC 010581

This Week
12/9/96
pg 3
B47032

Site's problem not as bad as its boom

By ALAN FROMAN
This Week Staff Writer

Developer Bill Keethler says that if he had been in town Nov. 13, the detonation of debris at the site of the former Kilgore Manufacturing plant probably would not have happened.

As a result, residents would not have been rattled by the booms caused by the detonation and some misconceptions about what exactly was taking place at the site probably wouldn't have occurred either.

Keethler is planning to build between 200 and 250 homes on the site. In advance of that, his company is spending about $250,000 to clean up the property.

Prior to 1941, the Kilgore Manufacturing Company made toys, such as cap guns, and pyrotechnics used primarily for public celebrations. During World War II, the company switched to the production of explosives and incendiary materials and devices.

The plant closed in 1961. The land has been farmed for the past several years.

While he was out of town, Keethler said, the clean-up at the site was being overseen by Lawhon and Associates of Worthington.

Work crews dug a three-acre hole at the south end of the property and placed debris that they found in eight 55-gallon drums, he said.

When the work was done, the items that needed to be disposed of, such as a few long fuses and small pieces of flares, only half-filled two five-gallon buckets, Keethler said.

The U.S. Army's 71st Ordnance Detachment from Wright-Patterson Air Force Base near Dayton was called to the site to oversee the disposal of the debris, he said.

According to Keethler, the army officials decided to detonate the debris since they did not have a permit to burn the material.

"It would have been much easier just to burn the material," he said. "There were only the two five-gallon buckets, each half full."

Instead, he said, the army, having found the material to be non-hazardous, decided to detonate the items.

"If I had been there, I would have personally put the buckets on the truck and asked them to take it back to Wright-Patterson to take care of it," Keethler said.

When the first bucket was detonated, the loud blast caused several dozen residents to phone the police department. Firefighters who were at the site while the material was detonated asked that the disposal of the second bucket be delayed one day so that officials at three nearby schools could be notified.

"They also had them dig a hole, put the bucket in the hole and detonate it there. That made the detonation less loud," Keethler said.

He said he wants to make sure residents realize none of the material found at the site was dangerous, he said. Army cleanup crews worked on the site after the war and again in the early 1960s.

And the land has been safely farmed for a number of years, he pointed out.

Keethler said he expects to bring his plans to develop the site with homes for the city's consideration sometime next year. He said he hopes to hold groundbreaking late in 1997 and bring the first homes on the market in 1998.

OC 010582

The Columbus Dispatch
library @ dispatch.com

This article is © 1986 The Columbus Dispatch

KILGORE'S BURIED PAST RESURFACES WITH ITS FLARES

Date: SUNDAY, July 20, 1986 <
Section: LOCAL AND NATIONAL NEWS
Page: 8B

Kilgore Manufacturing once was Westerville's largest industry, but when it closed in 1961 it left behind a history of fatal explosions and 400 unemployed workers.

That was not all Kilgore left behind. Officials of Otterbein College, which now owns the property, said military flares produced by Kilgore are starting to surface at the site.

"I know they had that place excavated, but apparently they didn't get it all," said Bob Long, a retired vice president of Kilgore living in Jackson, Tenn.

Kilgore moved its operation to Bolivar, Tenn., after it was bought by the Hardeman(SS) Manufacturing Corp. and became the Harvell-Kilgore Corp.(SS) Taxes were lower in Tennessee.

The company, now known as Kilgore Corp., has been sold twice since then. Now it is in Toone, Tenn., and is owned by Allegheny International.

Long said the company has a "checkered past," having produced everything from plastic picnicware to magnesium incendiary bombs dropped during raids on Tokyo in World War II.

The company made a variety of World War II explosives, all of which were stockpiled on the property. Long said he doubts any incendiary bombs are still there, because they were stored in buildings with concrete floors.

Columbus businessman Joseph Kilgore opened the Westerville plant in 1923. Kilgore also had plants in Tipp City and Newark. At one time the company employed 1,800 people.

Long said Commercial Credit Corp. purchased Kilgore during the 1940s. Commercial Credit sold Kilgore and later donated the property to Otterbein College.

The company now produces caps for toy guns and distress and decoy flares for the government. It employs more than 350 workers.

According to old newspaper clippings, Kilgore was a toy-making company in the 1920s, producing cap guns and metal mechanical banks. A Kilgore mechanical bank in good condition, such as "Pokey the Turtle," was once valued at $3,000. They also made metal pull toys and kites.

During World War II, Kilgore made mortar and aerial flares. Until the time it closed its Westerville operation, Kilgore was making flares and other pyrotechnics. At one time the company produced

OC 010583

fireworks.

In May 1952, a Centerburg, Ohio, man was killed after a fire and chemical explosion in the metal laboratory in one of the 60 buildings on the 20-acre factory site.

That same month the company was sued for $15 million in connection with an explosion in South Amboy, N.J. in 1950. The explosion, at a port in South Amboy, killed 31 people and injured 400 others.

Kilgore had produced part of the 427 tons of explosives that ripped through the port city. The explosives were at the dock awaiting shipment overseas.

In December 1955, two male employees were killed and a woman was injured during a double explosion in a 30-foot-square building. The men had been pressing gunpowder into charges when the explosion occurred.

All content herein is © 1986 The Columbus Dispatch and may not be republished without permission.

COLUMBUS METROPOLITAN LIBRARY

Telefacsimile Request/Invoice Form

- Telefacsimile service is available to customers having a valid Columbus Metropolitan Library (CML) library card in good standing.
- Requests will be accepted for five articles (up to a total of 25 pages) per day per library card.
- Materials not picked up at library locations within three days will be charged to the customer's library card.
- Requests will be accepted via telephone or in person.
- 10 cents per page to CML locations; $1.00 per page to locations within the local call range; $2.00 per page outside the local call range.

Sending CML Location MAGAZINES & NEWSPAPERS Phone 645-2750

Date 3/19 Time 12:55 Initials LW

Type of Request: ☒ Cardholder ☐ Staff ☐ Other

Attn: TODD

Name Kim Aebie Send To: 890-0372

Fax# 890-0372 Telephone # 890-5501

Library Card # 2205298538 Fine/Fee Status $ Ø (Prior to this request)

Periodical/Book Title	Subject/Title	Vol./Date/Call #	Page No.	Film? (Y/N)	# of Copies
CD	Kilgore	7/20/96	8B	Y	2

Sent By: [signature]

Total Number of Copies 2
X Rate $1.00
= Total Charge $2.00

Payment may be made at any CML location, or check (payable to Columbus Metropolitan Library) may be mailed to: Circulation Division, Main Library, 96 S. Grant Ave., Columbus, OH 43215-4781. Library card number must appear on check for proper credit.

This is a bill. Payment is due upon receipt.

Those firms and organizations not accepting telefax invoices may request a substitute by calling the sending location listed above. Requestor must have library card number ready at time of request.

Staff notes:
To This Material
ected by copyright
(Title 17 US. Code)

BEST COPY AVAILABLE

F-1075
10/95
ADMIN.

OC 010585

The Columbus Dispatch
library @ dispatch.com

Welcome to the *Columbus Dispatch* Web Gateway server.

Your search for **kilgore manufacturing** returned 13 article(s), listed below, out of 13 matching your terms.

If this is too many articles to browse, try to narrow your search by using more specific key words.

kilgore manufacturing | Search Again

Search Results

Article 1 of 13 found.
DEATHS & FUNERALS
Date: Friday, July 11, 1997
Section: NEWS LOCAL & NATIONAL
Page: 02G

BANNER

Helen G. Banner, age 93, of Westerville, Wednesday, July 9, 1997 at St. Ann's Hospital. Formerly employed at Kilgore Manufacturing Co. and retired from Ridge Printing Co. in Westerville. Preceded in death by husband Paul M. Banner. Survived by daughter, Betty (William) Roby of Whitehall; son, Wardell (Ruth) Banner of Westerville; 13 grandchildren; 22 great-grandchildren; 5 great-great-grandchildren; several nieces and nephews. Friends may call at the MORELAND FUNERAL HOME, 55 E. Schrock Rd.,

Article 2 of 13 found.
DEATHS & FUNERALS
Date: Thursday, July 10, 1997
Section: NEWS LOCAL & NATIONAL
Page: 14D

BANNER

Helen G. Banner, age 93, of Westerville, Wednesday, July 9, 1997 at St. Ann's Hospital. Formerly employed at Kilgore Manufacturing Co. and retired from Ridge Printing Co. in Westerville. Preceded in death by husband Paul M. Banner. Survived by daughter, Betty (William) Roby of Whitehall; son, Wardell (Ruth) Banner of Westerville; 13 grandchildren; 22 great-grandchildren; 5 great-great-grandchildren; several nieces and nephews. Friends may call at the MORELAND FUNERAL HOME, 55 E. Schrock Rd.,

Article 3 of 13 found.
DEATHS & FUNERALS

OC 010586

Date: Monday, November 18, 1996
Section: NEWS LOCAL & NATIONAL
Page: 04C

BAUDER

Freda A. Bauder, age 90, Saturday, November 16, 1996 at the residence. Preceded in death by husband Ellsworth 1985; grandson, John Snyder; son-in-law, Delno Snyder. Survived by daughters and sons-in-law Winifred Stackpole, Kathryn (Herbert) Rowland, Susan (Curtiss) Fausnaugh; four grandchildren; four great-grandchildren; other relatives. Friends may call JERRY SPEARS, 2693 W. Broad St. Tuesday 1-2 p.m. Graveside service and interment 2:30 p.m. Tuesday at Sunset Cemetery, Rev. Roy Fisher

Article 4 of 13 found.

U.S. ARMY TROOPS MAKE SOME NOISE
Date: Saturday, November 16, 1996
Section: NEWS LOCAL & NATIONAL
Page: 06B
Byline: By Ray Crumbley
Dispatch Staff Reporter

A cleanup crew wasn't allowed to burn the stuff, so the Army blew it up.

Loud booms rattled windows and prompted Westerville residents to flood city emergency phone lines Wednesday evening and Thursday afternoon.

Article 5 of 13 found.

WESTERVILLE SEEKS FIRE STATION SITE
Date: Thursday, November 7, 1996
Section: NEWS LOCAL & NATIONAL
Page: 07C
Byline: By Ray Crumbley
Dispatch Staff Reporter

Westerville officials are trying for a third time in two years to land a site for a fire station on the growing northeast side of the city.

Assistant City Manager Mike Wasylik said problems with obtaining title insurance led to the rejection of 2.3 acres owned by Otterbein College northeast of the intersection of Spring and County Line roads near Heritage Middle School.

Article 6 of 13 found.

WESTERVILLE CONSIDERS OTTERBEIN PROPERTY FOR THIRD FIRE STATION
Date: Sunday, July 21, 1996
Section: NEWS LOCAL & NATIONAL
Page: 06C

Construction of a third Westerville fire station is to begin in November on N. Spring Road north of County Line Road.

City officials told area residents last week that they are negotiating to buy 2.3 acres on which to build the $1.1 million station and 11 acres behind it for recreation.

OC 010587

Article 7 of 13 found.

DEATHS AND FUNERALS
Date: Wednesday, April 3, 1996
Section: NEWS LOCAL & NATIONAL
Page: 07C

AMES

Bernice Beechy Ames, born October 2, 1904, passed away March 24, 1996 in Miami, Fla. Preceded in death by son Mark. Survived by husband, Edward; daughter, Peggy Harding (James); 3 grandchildren; 4 great-grandchildren, all of Miami, Fla.; son, Lee (Mary Jo) and son, all of Westerville. Graduate of Capital University, 1929. Past member and secretary of Overbrook Presbyterian Church. Memorial Service April 2, at Old Cutler Presbyterian Church, Miami, Fla. For information call 855-7531.

BARG

Article 8 of 13 found.

DEATHS & FUNERALS
Date: Tuesday, April 2, 1996
Section: NEWS LOCAL & NATIONAL
Page: 08D

BERKEMER

Harry J. Berkemer, age 75, died April 1, 1996. Franklin County Sheriff, 1973-1984; Superintendent, Columbus Workhouse, 1970-1972; Columbus Police Officer, 1946-1970, retiring as Deputy Chief. Combat veteran, WW II, 1942-1945, serving with the 11th Armored Division. Participant, Battle of the Bulge. Combat veteran, Korean Conflict, 1950-1952. President, Buckeye State Sheriff's Association, 1984; former chairman, Police and Fireman's Pension System of Ohio. Attended St. Francis and Our Lady

Article 9 of 13 found.

OTTERBEIN DOUBLES ITS ACREAGE
Date: Tuesday, January 25, 1994
Section: NEWS LOCAL & NATIONAL
Page: 01A

Byline: By Alan D. Miller

Dispatch Higher Education Reporter

Otterbein College more than doubled the size of its Westerville campus with the recent $1.55 million purchase of 67 acres on Africa Road.

At the same time, the college is negotiating the sale of 110 acres, known as the Kilgore property, near Hoover Reservoir and Westerville North High School.

Article 10 of 13 found.

BOO! HAUNTED HOUSES PREPARE TO FRIGHTEN A FEW FOR HALLOWEEN
Date: Sunday, October 20, 1991
Section: NEWS LOCAL & NATIONAL
Page: 01E

Byline: By Connie A. Higgins

Dispatch Staff Reporter

OC 010588

Imagine walking into a huge, dusky building where spider webs greet you.

The eerie sound of a 19th century dirge is played on an organ. But there is no organ player. The keys move by themselves.

Article 11 of 13 found.

WE BUILT THIS CITY

Date: SUNDAY, November 22, 1987
Section: FEATURES AND TRAVEL
Page: 1F

Byline: By Dennis Fiely, Dispatch Acc Reporter

Come with me to this Gulf Coast Shangri-La in southwestern Florida. Except for the sun, the surf, the palm trees, the pelicans, the coconuts and - last but not least - the bronzed bodies, it is someplace like home.

Central Ohioans will pour your beer, cut your hair, put out your fires, make your music, take you boating, sell you a car, find you a home, manage your property, keep your money, handle your legal work and put you up for the night.

Article 12 of 13 found.

WORLD WAR II ARMY FLARES EXPLOSIVE TOPIC AT OTTERBEIN

Date: SUNDAY, July 20, 1986 <
Section: LOCAL AND NATIONAL NEWS
Page: 8B

Byline: By David Lore and Robin Yocum Dispatch Staff Reporters

Otterbein College wants the U.S. Army to determine whether more than 100 old battlefield flares found on college-owned farmland in Westerville are a historical nuisance or evidence of a contamination problem.

The World War II flares, most of which still contained flammable phosphorus, were found last summer at Otterbein's Kilgore Farm property on N. Spring Rd. immediately behind Westerville North High School and the Jack Frost Elementary School.

Article 13 of 13 found.

KILGORE'S BURIED PAST RESURFACES WITH ITS FLARES

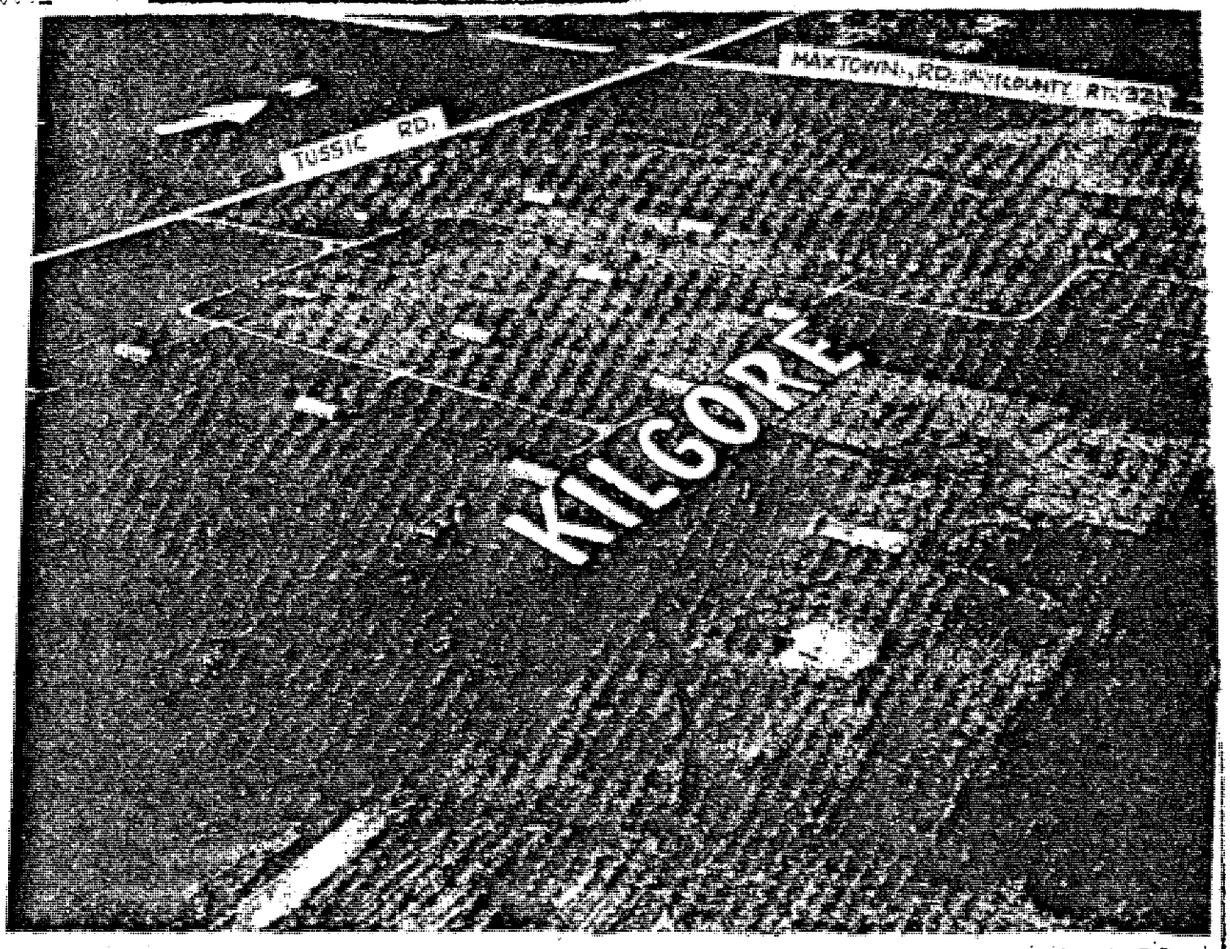
Date: SUNDAY, July 20, 1986 <
Section: LOCAL AND NATIONAL NEWS
Page: 8B

Kilgore Manufacturing once was Westerville's largest industry, but when it closed in 1961 it left behind a history of fatal explosions and 400 unemployed workers.

That was not all Kilgore left behind. Officials of Otterbein College, which now owns the property, said military flares produced by Kilgore are starting to surface at the site.

Focusing or expanding your search:

OC 010590



KILGORE PROPERTY GIVEN TO OTTERBEIN

Commercial Credit Co., Wilmington, Del., has given Otterbein College a former Kilgore munitions-manufacturing site it owns northeast of Westerville. The 110-acre tract lies along Tussic Rd., south of Maxtown Rd., and contains a number of buildings used in the manufacturing operation. Army demolition teams will probe some six acres of the site to unearth buried explosives and flares left when Kilgore abandoned its Westerville plants. The munitions are believed to be buried at the rear of the tract, right side of photo. Otterbein plans to sell the acreage at some future date for home sites or other development.—(Dispatch Photos)

Doctor's Revolt Leader Claims Support Grows

POINT PLEASANT, N.J. (UPI)—The leader of a doctor's revolt against the administration's medical care for the aged program claimed growing support Tuesday in at least six other states.

Dr. J. Bruce Henriksen, chief of surgery at Point Pleasant Hospital, started the plan to refuse to treat patients under the administration's medicare program which is now before Congress. He claimed 250 New Jersey doctors have signed petitions supporting his plan.

The New Jersey Assembly Monday received a bill from Democrat John J. Kijewski which would strip doctors of their licenses if they refused to treat a patient for any reason. It also provided fines up to $100 and up to 90 days in jail.

Man Fined For Reckless Driving On Grave Lot

KANSAS CITY, Kan. (AP)—Kenneth Padgett, manager of Memorial Park Cemetery, was fined $25 for reckless driving on a grave lot.

Padgett was arrested April 12 after his pickup truck hit Harlan W. Koeckeritz, employe of a monument works.

Koeckeritz testified he was standing in a hole preparing to set a gravestone. Padgett testified he was instructed by an agent of his employer to drive the truck over the hole because the cemetery owner does not permit monument companies to set markers.

Padgett said Koeckeritz refused to leave the hole.

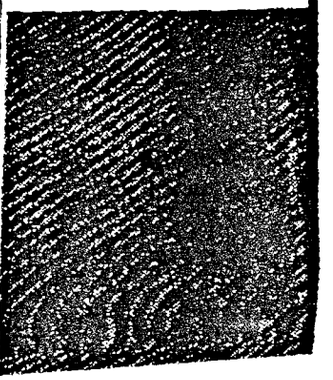
Rockefeller At Seattle Fair

SEATTLE (AP) — This was New York Day at the Seattle World's Fair, and on hand to officiate for his state was Gov. Nelson A. Rockefeller.

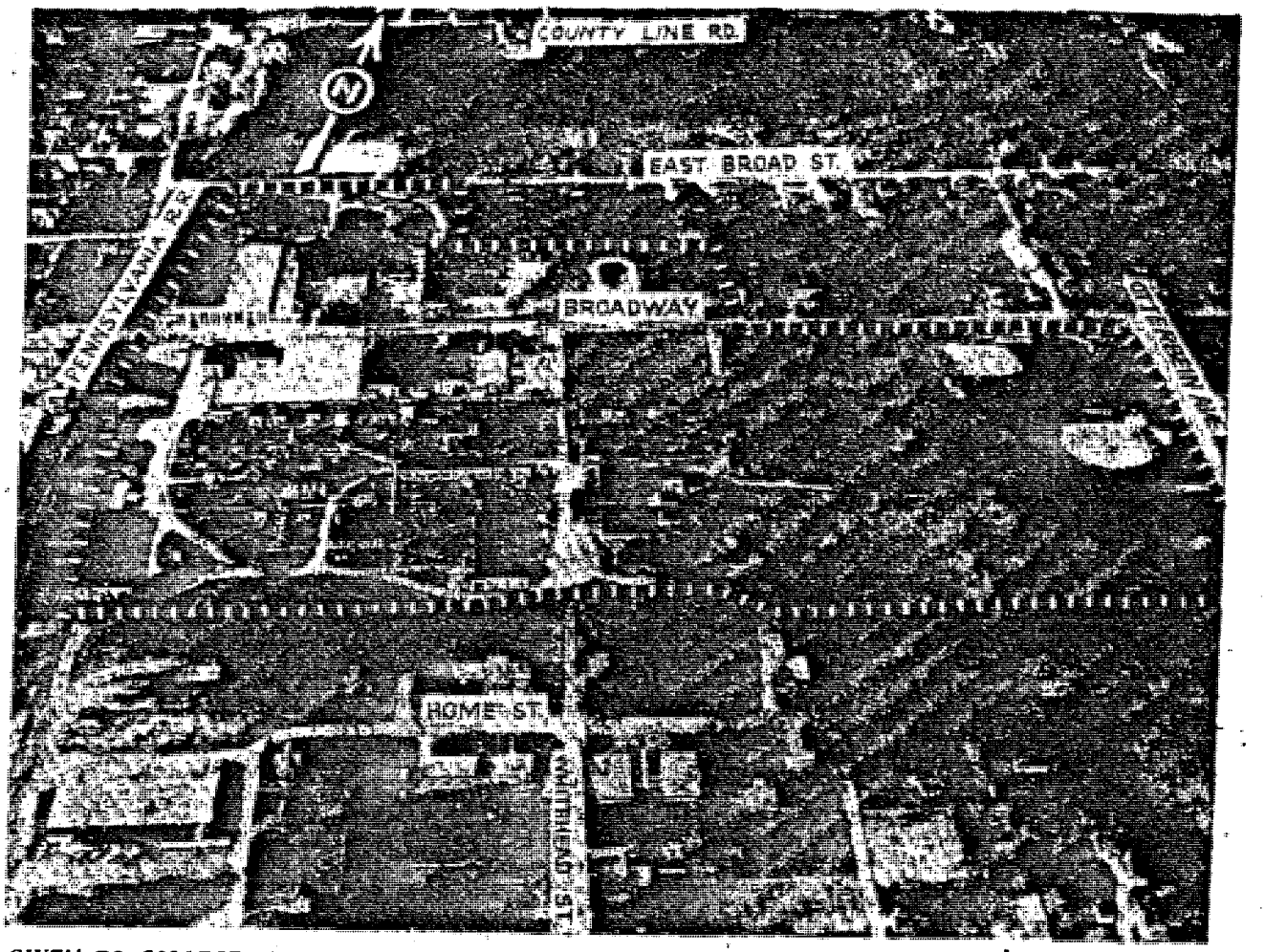
The governor, who arrived Wednesday night, brushed aside political questions.

Inaugurated

SAN JOSE, Costa Rica (UPI)—President Francisco J. Orlich was inaugurated in ceremonies attended by representatives of 38 nations.



OC 010591



GIVEN TO COLLEGE—Otterbein College acquired a 28-acre plant site, outlined, formerly occupied by Kilgore Manufacturing Co. at the northeast side of Westerville, in a gift Wednesday from the Commercial Credit Co., of Wilmington, Del. Nine acres north of Broadway will be used for college offices and other purposes; 17 acres south of Broadway will be sold for a housing development. The Westerville site plus a former Kilgore property northeast of the city, also given to the college, have a total value of $500,000.

OVERSIGHT

City Official Dislikes Payroll, —He's Not on It

DECATUR, Ill. (AP)—Finance Director Jack W. Loftus appeared before the city council Monday to register a strong complaint about the payroll approved for the 1962-63 fiscal year.

The council last week approved salaries for some 300 city workers and authorized Loftus to write out the checks every week.

Loftus was back because the council missed one item —his salary. The council voted unanimously that Loftus' name should go on the payroll list.

About 450 stolen wallets are dropped into New York City mailboxes every week. Pickpockets favor this means of disposal because it is unlikely to attract the attention of a policeman or an alert citizen.

V-E Day Marked

VIENNA, Austria (UPI)—President Antonin Novotny of Czechoslovakia marked the 17th anniversary of V-E Day Wednesday by proclaiming an amnesty for several categories of civil criminals. Novotny said the amnesty did not apply to political prisoners.

OC 010592

. Le

ner

ıe proposals for tax

a two-mill levy
for current city
was defeated by
o to one.
:ted by almost as
nargin was a bond
buildings, additions
rovements in the
hool District.
itional 2.75 mills for
for current school
lost by a smaller

laughter
ıarged In
Car Crash

ıce A. Turner, 26, of
l Ave., Urbancrest.
second-degree man-
charges Monday in
l Traffic Court.
, held in City Prison
000 bond, is charged
Monday night traf-
of Mrs. Helen Stew-
f 52 S. Southampton

said Turner's car
'er strip on the
erchange and
witn Mrs. Stewart's
n careened into an-

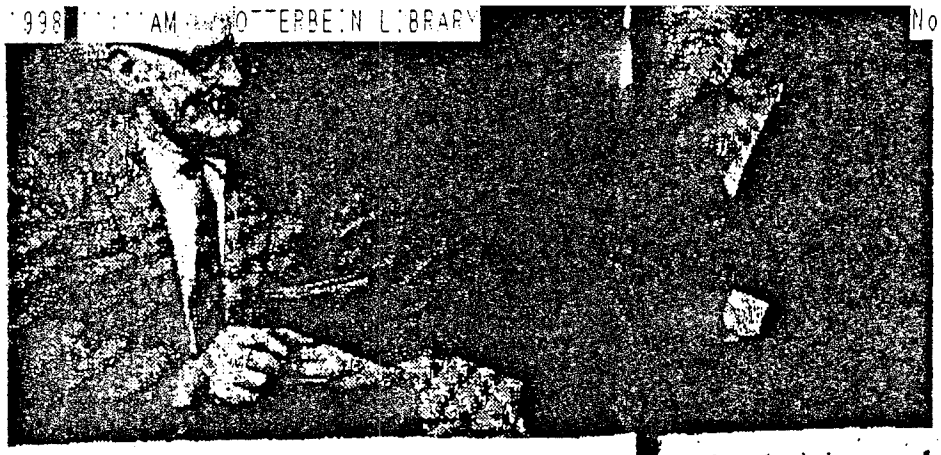
YOU KNOW

ather of President
Johnson was a por-
n inn. His mother
aid at the same inn.

ine Lotion
f Itch

• itch fast!
ıng relief!

cal anti-histamine combats
ction of "skin poisons", the
velling, redness and itching.
ingent drying agent dries up
' of skin, soothes irritations,
ng fast. Calamatum gives
night relief—forms its own
ed bandage that won't rub
ou wash it off. No flaking,
—won't stain clothing or
.
lamatum guarantees relief
due to allergy, eczema,
, rectal itch, or nerves—
of your money back.
portion to Isodine.
ducts have failed,
ay. Available now
counters.



ACCEPTS GIFT—Dr. Lynn W. Turner, left, president of Otterbein College, receives deed to former Kilgore Co. property in and near Westerville from Edmond L. G[illegible]es, board chairman of Commercial [illegible]edit Corp. The $500,000 gift to the co[illegible]ge is the largest since its founding in [illegible]7.—(Dispatch Photo)

136 Acres, 31 Buildings Are Given to Otterbein

Otterbein College received as a gift Wednesday the property of the former Kilgore Co. in and near Westerville. Value was estimated at $500,000.

The gift was made by the Commercial Credit Corp., owner of Kilgore, through its board chairman, Edmund L. Grimes.

Title was accepted by Dr. Lynn W. Turner, Otterbein president.

THE GIFT includes 26 acres and 31 buildings on both sides of Broadway in northeastern Westerville and the 110-acre Kilgore farm on Tussic Rd., two miles northeast of Westerville.

Dr. Turner and Elmer N. Funkhouser Jr., Concord, Mass., Ottebein trustee, said all except nine acres will be sold to produce revenue for the college.

The money will be used to erect new buildings on the campus and expand buildings on the Kilgore property that is retained, both said.

DR. TURNER said 17 acres south of Broadway will be sold for commercial use. Three firms, he said, have signed agreements to purchase.

The college will use the Kilgore administration building and other structures north of Broadway for office space and probably for Otterbein's ROTC unit, he said.

The 110-acre farm will be held for possible develop-

EXPLOSIVES ARE buried on six acres of the farm. Most of them are reject flares made for the armed forces. An Army ordnance decontamination team will clear the area this summer, Dr. Turner said.

Kilgore vacated the properties in early 1961. The operation was moved to Bolivar, Tenn., where it was marged with another firm to form the Harvell-Kilgore Co.

Dr. Turner said the gift was the largest since the college was founded in 1847.

Safety Council To Present Eleven Awards

The 14th annual Columbus Safety Council Awards banquet will be held at 6:30 p.m. Thursday at the Southern Hotel. Eight Columbus firms will be given safety awards and three awards will be given to the City of Columbus.

Dr. Charles E. Irvin of Ormond Beach, Fla., will be the keynote speaker, and Paul R. Gingher, chairman of the board of the Columbus Area Chamber of Commerce, will be master of ceremonies.

The banquet is jointly sponsored by the Safety Council of the Columbus Area Chamber of Commerce, the Industrial Commission of Ohio and the Central Ohio Chapter of the American Society of

HERIFF FINDS LCOHOL, SIREN OOR MIXERS

ACKERMAN, Miss. (UPI) —Sheriff V. H. Woods, a former Baptist minister, resigned after being charged with drunken driving and resisting arrest. Witnesses said the sheriff had been frightening cars off a highway with his siren.

It was Woods' third arrest on drunk charges during his two years and five months in office.

Dinner to Fete Recipients Of Eagle Awards

Central Ohio Council, Boy outs of America, will honor 7 explorers and scouts who have received the Eagle Award during the past year at a dinner Wednesday in Lincoln Lodge at 6:30 p.m.

Linder

Guest speaker will be Humorist and Lecturer Darrel F. Linder of Lima who is assistant to the president of one of Ohio's large trucking firms.

To Visit Russia

OSCOW (UPI) — President ibo Keita of Mali will the Soviet Union, the al news agency Tass

Our s
fits as

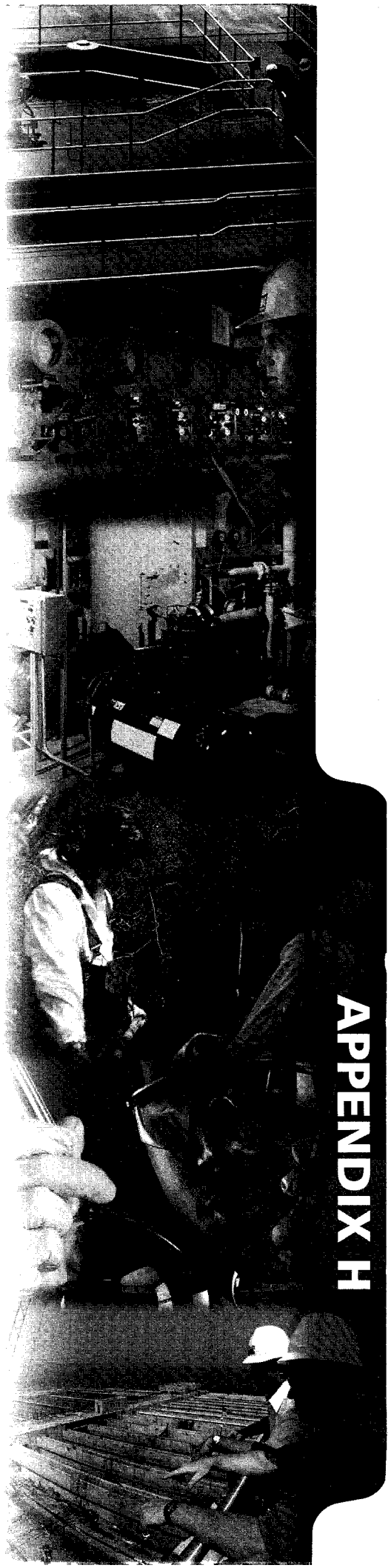
It has so much
. . . a roomy ro
But most wond
. . . the famo
"Cortina" . . . .

Cho
bone
and
your

This
The

OC 010593

APPENDIX H



OC 010594

APPENDIX H

Employee Interviews and Affidavits

AFFIDAVIT

State of Ohio)
) SS
County of Franklin)

Before me, a Notary Public in and for said state, personally appeared Eldon Adams, who being by me duly sworn (or affirmed) dispose and says that:

1. I am Eldon Adams, former employee at the Kilgore Manufacturing;

2. I am over 18 years of age and am competent to testify;

3. I worked at Kilgore Manufacturing from 1946 till 1961;

4. I was interviewed by Jeff Stevenson, Project Geologist, and Todd Aebie, Geologist, both with Metcalf & Eddy, Inc. on March 30, 1998. The following interview reporting sheet accurately reflects the interview regarding the Kilgore Farm Property;

5. I provided Metcalf & Eddy, Inc. with information concerning operations at the Kilgore Farm Property, to the best of my knowledge; and

6. I have never owned property in Delaware County located at 800 Tussic Road, nor have I been employed by, affiliated with, or related to Otterbein University or the Keethler Company, for which I have related this information.

Further affiant sayeth naught.

Eldon Adams
Affiant

Sworn to (or affirmed) before me and signed in my presence this 12 Day of May, 1998.

Ruth E Michalek
Notary Public

RUTH E. MICHALEK
Notary Public, State of Ohio
My Commission Expires April 9, 2001

My Commission Expires

INTERVIEW WITH MR. ELDON ADAMS

On Monday March 30, 1998, Jeff Stevenson and Todd Aebie, both of M&E, interviewed Mr. Eldon Adams. Mr. Adams worked for Kilgore Manufacturing at the Westerville Facility. Mr. Adams worked for Kilgore from 1946 until the facility closed in 1961. Mr. Adams worked as an explosives supervisor dealing with photoflash.

Mr. Adams stated that he was in charge of the burn pit. Mr. Adams positively identified the burn pit area on the 1956 aerial photograph shown to him. Mr. Adams stated that the burn pit was used approximately once a week, weather permitting. Mr. Adams described how the flares and materials to be burned were placed in a circular pattern, covered with straw, hay, wood, then ignited. The fires were intense to completely destroy all of the materials. The materials needed to be completely destroyed since people would need to enter into the burn pit to place the next materials to be destroyed. Mr. Adams stated the burn pit was bermed, with earth.

Mr. Adams also helped to place waste and off-specification materials from the Kilgore facility in Westerville in the burial trenches at the Kilgore farm property. Mr. Adams stated that waste photoflash would be placed into ice cream (made of cardboard) containers and lowered into the trenches for burial. The trenches were located in the southeast corner of the farm property. Mr. Adams stated that the trenches were approximately 5 feet deep and were filled to within 2 feet of the ground surface before being covered.

Mr. Adams was asked if lead azide was ever used at the farm facility, he stated that is was not used in the manufacturing process at the Kilgore farm property, to the best of his knowledge.

Mr. Adams stated that to the best of his knowledge, the farm fields were planted with crops during the years that he went to the Kilgore Farm. Mr. Adams stated that Skip Day and his parents lived in the Kilgore farm house. Mr. Day was a City of Westerville police officer, retired , and now works at Roush Hardware.

Mr. Adams was asked to identify any of the unknown structures on the 1956 aerial photograph. Mr. Adams could not positively identify either of the unknown structures.

AFFIDAVIT

State of Ohio)
) SS
County of Franklin)

Before me, a Notary Public in and for said state, personally appeared Richard Eierman, who being by me duly sworn (or affirmed) dispose and says that:

1. I am Richard Eierman, former employee and subcontractor at the Kilgore Farm Property;

2. I am over 18 years of age and am competent to testify;

3. I worked as a subcontractor for Kilgore Manufacturing from 1952 until 1961;

4. I was interviewed by Todd Aebie, Geologist with Metcalf & Eddy, Inc., to determine any history associated with the property. The following interview reporting sheet accurately reflects the interview regarding the Kilgore Farm Property;

5. I provided Metcalf & Eddy, Inc. with information concerning operations at the Kilgore Farm Property, to the best of my knowledge; and

6. I have never owned property in Delaware County located at 800 Tussic Road, nor have I been employed by, affiliated with, or related to Otterbein University or the Keethler Company, for which I have related this information.

Further affiant sayeth naught.

Richard Eierman
Affiant

Sworn to (or affirmed) before me and signed in my presence this 11th Day of May, 1998.

Ruth E. Michalek
Notary Public

My Commission Expires RUTH E. MICHALEK
Notary Public, State of Ohio
My Commission Expires April 9, 2001

OC 010598

INTERVIEW WITH MR. RICHARD EIERMAN

On March 23, 1998 at 1300, Todd Aebie of Metcalf & Eddy, Inc. (M&E) interviewed Mrs. Pearl Mae Eierman and Mr. Richard Eierman in regards to their employment at the Kilgore Farm Property. Mr. Charles Destefani, City of Westerville Surveyor, provided Todd Aebie with the name of the Eiermans.

Mr. Eierman stated that he was employed at the Kilgore Farm property in the maintenance shop. He was employed in the manufacturing area of the facility from 1951 till early 1952. After that date, Mr. Eierman was employed as a subcontractor to dig the burial trenches in the southeast portion of the property. Mr. Eierman stated that he started digging the new burial trenches in 1952. Mr. Eierman related that he started digging the second or the third burial trench, several others had been previously dug by a prior subcontractor. Mr. Eierman stated he was always given a blueprint to follow and the trenches were surveyed in. Mr. Eierman stated that the trenches were dug 5 feet deep, by 2 to 3 feet wide, by 200 feet long. The trenches started in the southeast portion of the property and ran south to north. The trenches were filled to within 2 to 3 feet from the surface with waste materials. The trenches were covered with the earth dug from a new trench. Mr. Eierman stated that manufacturing wastes, off-specification materials, and additional wastes generated at the Kilgore Farm Facility as well as the Kilgore Manufacturing facility in Westerville, Ohio were buried in the trenches.

Mr. Eierman recalled that lead azide was buried north of the trenches in an open pit. The lead azide was used as an explosive, it was brought into the Kilgore farm facility "slung" in barrels of water to prevent a shock to the explosive. Mr. Eierman stated that to the best of his knowledge, the lead azide was not removed during the cleanup conducted in 1962.

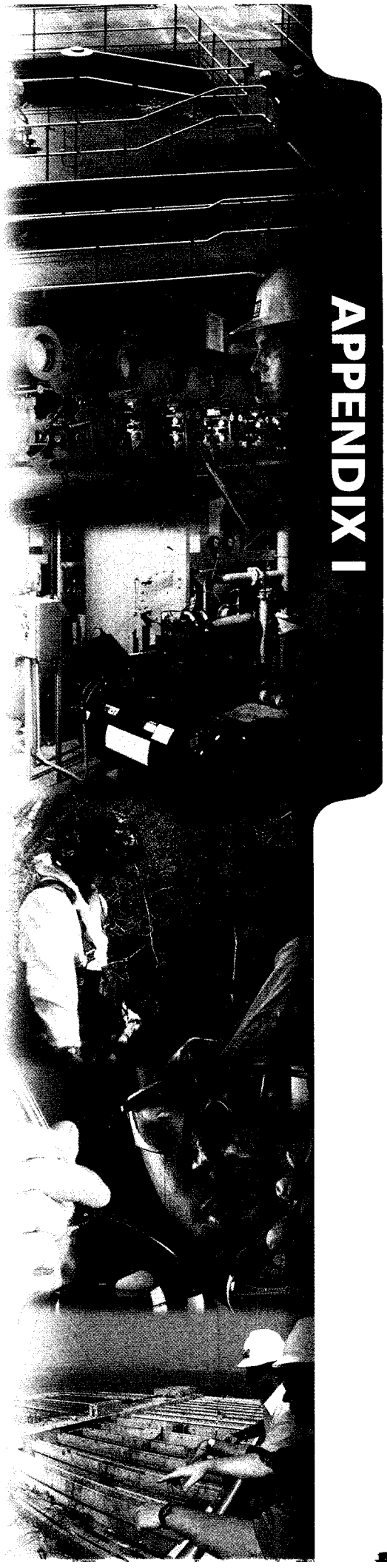
Mr. Eierman looked at the aerial photo from 1956. Several items were noted, an underground storage tank, containing heating oil was noted in the manufacturing area; water well behind the farm house provided the drinking water as well as water for fire suppression; at the Westerville facility, detonators were manufactured and stored at the farm; maybe a septic tank in the manufacturing area, other areas had outhouses.

Mrs. Eierman did not work at the Kilgore Farm facility, she worked at the Kilgore Facility located in Westerville, Ohio.

A man was killed trying to dispose of detonators at the farm, date unknown. The man tried to put 4,000± into a fire to be destroyed at once instead of a few at a time. All of the detonators went off at once, killing the man.

Mr. Eierman stated that he was at the Farm, for a time during the cleanup in 1962. Trenches were dug up and the materials were burned onsite or some was hauled away for disposal.

APPENDIX I



APPENDIX I

Resident and Former Employee Interview and Affidavit

April 7, 1998

Meeting with Mr. Leonard "Skip" Day, Jr.
Former Resident, Employee of Kilgore

Location: Kilgore Farm Property, Time: 1300

Todd Aebie met with Mr. Day at the Kilgore Farm Property to discuss his knowledge of the site and to get a eyewitness account of the activities being conducted there.

Mr. Day lived at the Kilgore Farm house from 1945-1949, then graduated from high school and enrolled at The Ohio State University. Mr. Day lived in the Kilgore Farm house with his parents and siblings. Mr. Day's father was one of the head chemists for Kilgore and caretaker of the property. His parents lived at the farm from 1945 till 1961 when Kilgore moved operations to Tennessee. Mr. Day continued to visit his parents at the Farm, and after returning from military service in 1952, worked as a third shift supervisor in the manufacturing area for approximately two years; 1952-1954. Mr. Day training in the Army was in explosive ordnance. After 1954, Mr. day became a police officer for the City of Westerville, Ohio which he served from 1955 until he retired in 1986 after 31 years of distinguished service.

Mr. Day was asked about the layout of the facility and the kind of work, burial, and history of the Kilgore Farm Property. Mr. Day stated that the only areas of burial he was aware of was in the southeast corner of the property (Known Burial Area), and along the banks of the drainage ditch running in the northeast portion of the property. The Burial Area had trenches where flare, trash, and chemicals were disposed. In the area of the ditch, material was buried within 8 to 10 feet of the banks; primarily flares, offspec material, etc. He was aware of these areas because those were the only two areas that were "Off Limits" to he and his brothers and sister. They were allowed to play and wonder in all other areas of the Farm. To the best of his knowledge, no other burial areas are present at the site.

The Kilgore Farm was a working farm throughout World War II and after. The northern property to the second storage bunker was farmed, the eastern portion along Tussic (Spring Road) to the house was farmed, and the southern area to the second bunker was farmed. Cattle were allowed to roam free in the area of the storage bunkers, burial area, the entire property. Herefords and dairy cows were at the farm. No animals were ever injured due to the operations at the Kilgore Facility.

Mr. Day said that his father worked with Dr. H.C. Clowser, a chemist who emigrated from Germany right before World War II. Dr. Clowser was incharge of the experimental facility at the Farm. The manufacturing area had separate two areas, one for experimental work, and one with the main manufacturing buildings. In the

experimental area, closest area to Tussic Road, is where experiments with munitions and flares took place. In the manufacturing area, the powder was pressed, flares assembled, most of the manufacturing took place. The black powder was pressed into pellets for use in a variety of devices. The Kilgore Farm made flares, some hand grenades, primers, flame throwers, and some 250 lb. bombs early in the War before turning to flare and pyrotechnics. To the best of his knowledge no bombs were ever buried on the site, nor were any mines ever produced at this facility.

Upon looking at the aerial photograph dated 1956, Mr. Day confirmed the area of the burn pit. The area was located in the eastern field of the farm. He said that the burn pit was at least 10' deep by 50' in diameter. Materials were regularly burned there. The burning was very complete because they had to make sure the materials were destroyed so they could use the pit again to burn. Every so often, the pit was graded over, and a new pit dug in the same place.

South and east of the burn pit in the 1956 aerial, is an area of potential debris, disturbed material. Mr. Day stated that this was the former experimental building doing research on shaped charges. The building was destroyed during an explosion which killed two workers.

The Kilgore farm house had a big stoked furnace, coal fired, in the basement which heated steam pipes which ran to the storage bunkers. The farm house was supplied with water from the well which fed the water tower. No City water was present at the site.

Materials used at the site included but not limited to: TNT, perchlorate, permanganate, red and white phosphorus, sulfur, black powder, copper, aluminum, and tetryl. Mr. Day will check with his brother regarding the use of other materials.

The storage bunkers, 12, were used to house finished materials, packing crates, cardboard, and some raw materials. No assembly or manufacturing took place in the metal storage bunkers.

The manufacturing area contained a boiler house, UST with fuel oil, powder presses, material storage, rolling tables for the explosives. Some people were burned during the manufacturing process.

Mr. Day saw the aluminum flare canisters and a larger, 4" in diameter shell rusted shell casing. The black caps, were used at the base of the flares as an ignitor. Inside the caps is the black powder pressed into pellets.

AFFIDAVIT

State of Ohio)
) SS
County of Franklin)

Before me, a Notary Public in and for said state, personally appeared Leonard Day, who being by me duly sworn (or affirmed) dispose and says that:

1. I am Leonard Day, former resident and employee at the Kilgore Farm Property;

2. I am over 18 years of age and am competent to testify;

3. I lived at the Kilgore Farm Property in the farm house from 1945 until 1949;

4. I worked at the Kilgore Farm Property from 1952 until 1954 as a supervisor;

5. I was interviewed by Todd Aebie, Geologist and Jeff Stevenson, Project Geologist, both with Metcalf & Eddy, Inc., to determine any history associated with the property. The following interview reporting sheet accurately reflects the interview regarding the Kilgore Farm Property;

6. I provided Metcalf & Eddy, Inc. with information concerning operations at the Kilgore Farm Property, to the best of my knowledge; and

7. I have never owned property in Delaware County located at 800 Tussic Road, nor have I been employed by, affiliated with, or related to Otterbein University or the Keethler Company, for which I have related this information.

Further affiant sayeth naught.

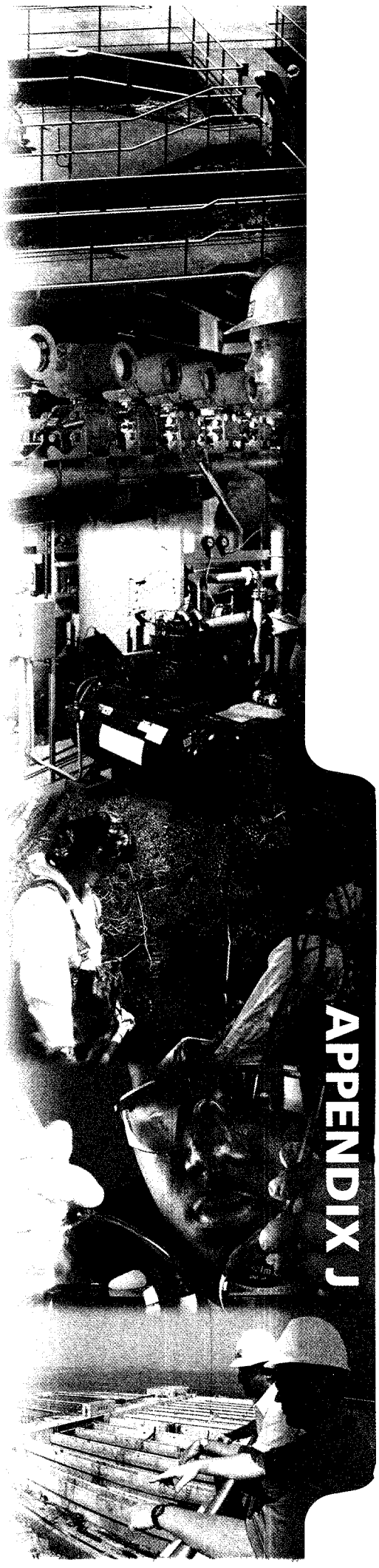
_____
Affiant

Sworn to (or affirmed) before me and signed in my presence this ____ Day of May, 1998.

_____
Notary Public

My Commission Expires _____

APPENDIX J

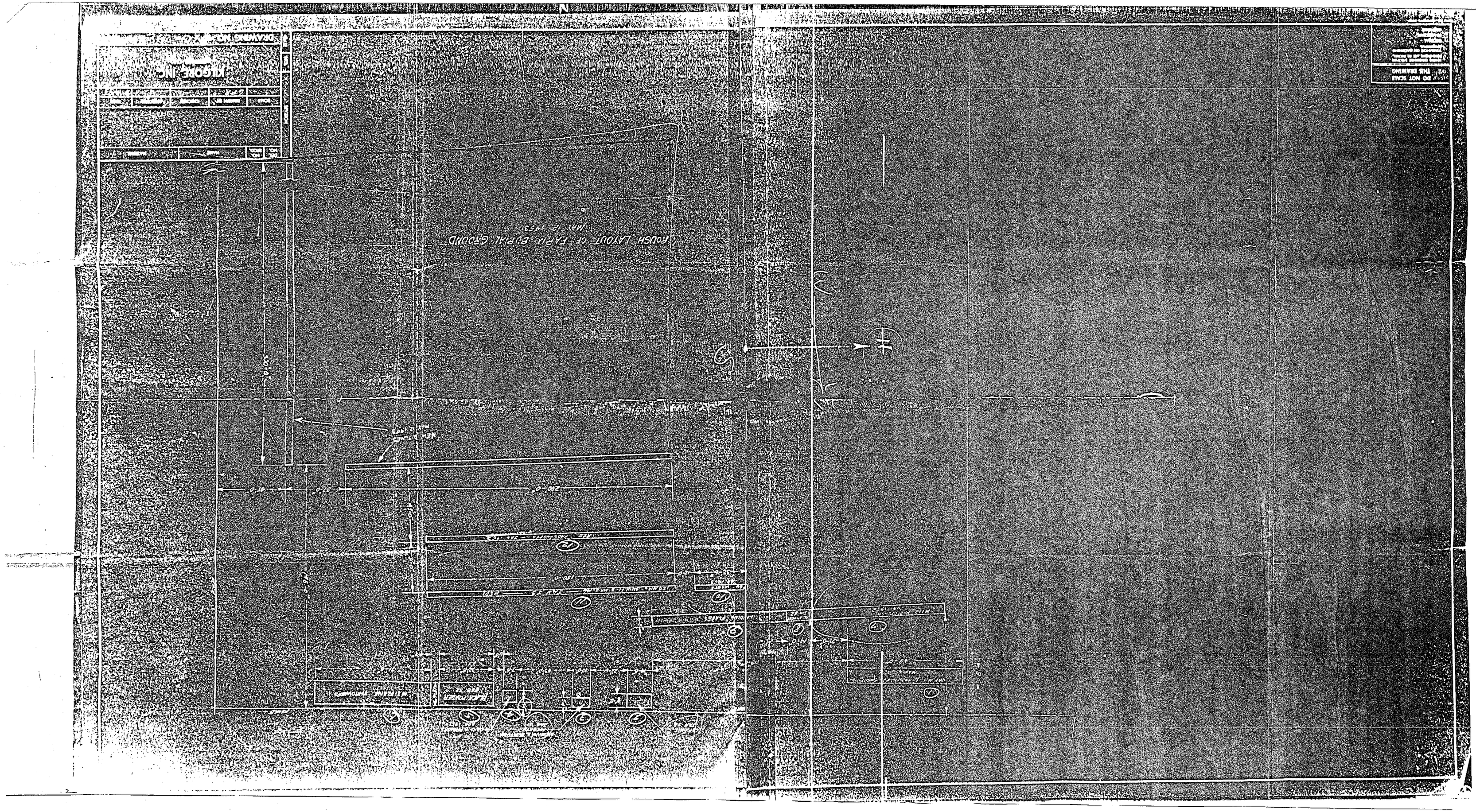


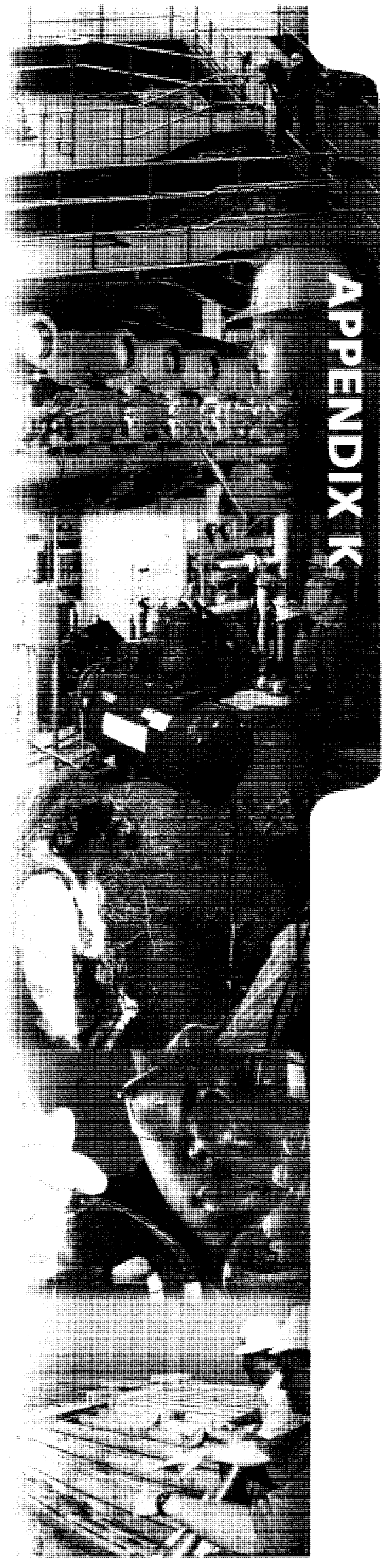
OC 010605

APPENDIX J

Burial Trench Map

OC 010607


N
DO NOT SCALE THIS DRAWING
"HOUSH LAYOUT OF FARM BURIAL GROUND"
MAY 7 1952



APPENDIX K

OC 010608

APPENDIX K

S.E.A. Site Assessment, 1988

OC 010609

S.E.A. INC.

7349 Worthington-Galena Rd.
Columbus, Ohio 43085
614 888-4160

ENVIRONMENTAL SITE EVALUATION

KILGORE PROPERTY

TUSSIC ROAD

WESTERVILLE, OHIO

S.E.A. CONTRACT NO. L-104943

S.E.A. Laboratory No. 88-022-098

February 26, 1988

For

WESTERVILLE SCHOOLS

336 South Otterbein Avenue

Westerville, Ohio 43081

S.E.A. INC.

7349 Worthington-Galena Rd.
Columbus, Ohio 43085
614 888-4160

Charles Guinther

OC 010610

TABLE OF CONTENTS

SECTION		PAGE
1.	Introduction.....	1
2.	Procedures.....	2
3.	Observations and Analysis.....	10
4.	Conclusions.....	13

OC 010611

1. INTRODUCTION

1.1

On January 12, 1988, S.E.A., Inc. was contacted by Dr. Richard Miller, Westerville Schools, 336 South Otterbein Avenue, Westerville, Ohio, concerning an environmental study to be performed at the Otterbein College property, formerly the Kilgore manufacturing facility on Tussic Road in Westerville, Ohio.

1.2

S.E.A. was requested to conduct a site evaluation on the southeast corner of the property.

1.3

The exact request was for S.E.A. to drill four monitor wells in the area in question and determine the presence of volatile aromatic hydrocarbons, chlorinated hydrocarbons, nitrates, and EP toxic metals.

1.4

S.E.A. was also requested to secure 24 composite samples from borings in the area in question to a depth of four to five feet.

OC 010612

2. PROCEDURES

2.1

Four monitor wells were drilled and secured in the southeast corner of the Kilgore property. Figure 1 is a general overall view of the area examined. Figure 2 depicts the locations of the monitor wells put in place by S.E.A., Inc.

2.2

The four monitor wells were bailed three times each and water samples were then secured and transported to the Corporate Laboratories of S.E.A. in Columbus, Ohio.

2.3

Twenty-four boring composite samples were secured in the southeast corner of the property in question. Figure 3 illustrates the locations of the borings. These samples are currently being stored by the Corporate Laboratories. Figure 4 shows a boring sample being secured.

OC 010613

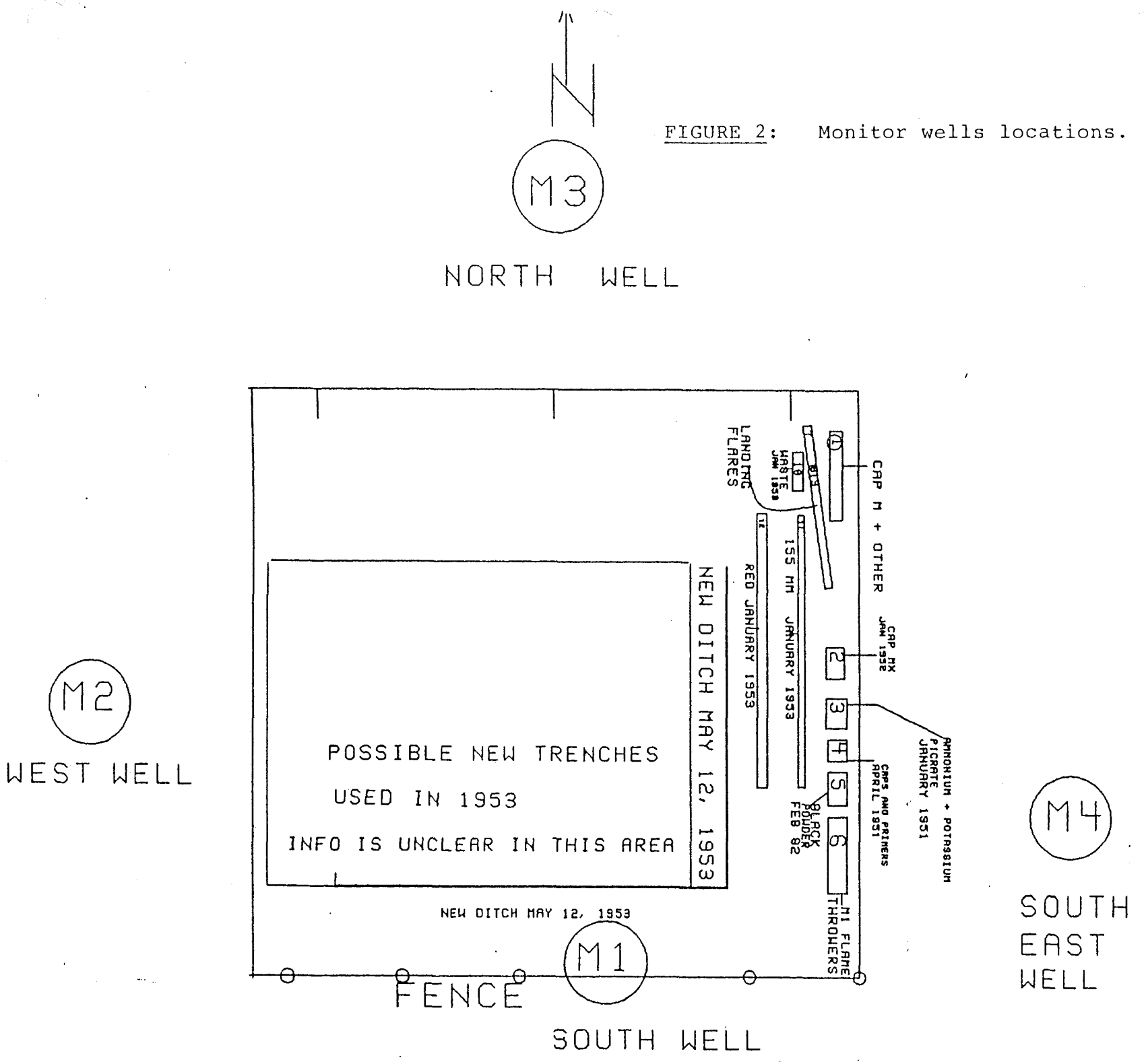
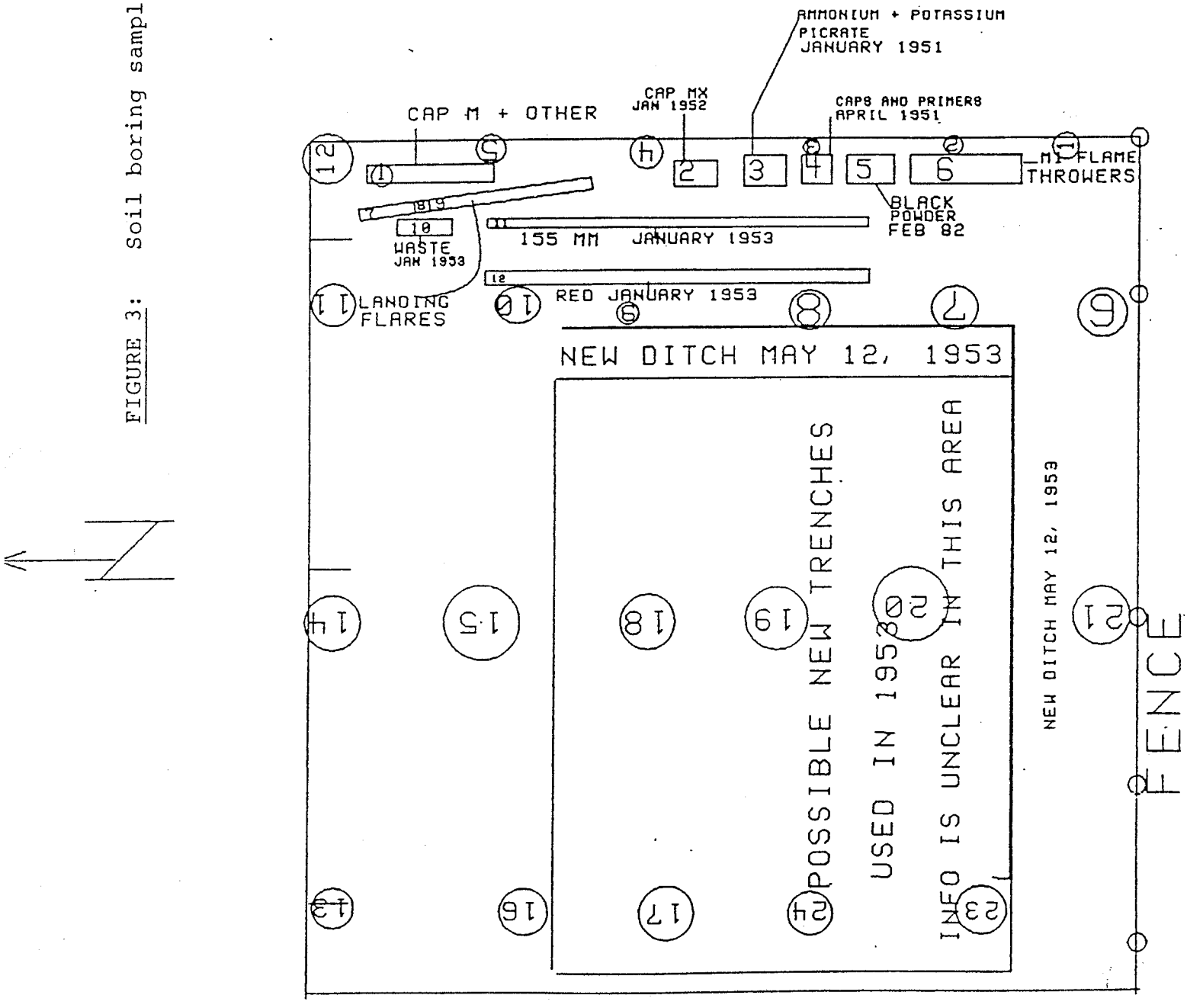


FIGURE 2: Monitor wells locations.

OC 010614

FIGURE 3: Soil boring samples locations.



OC 010615

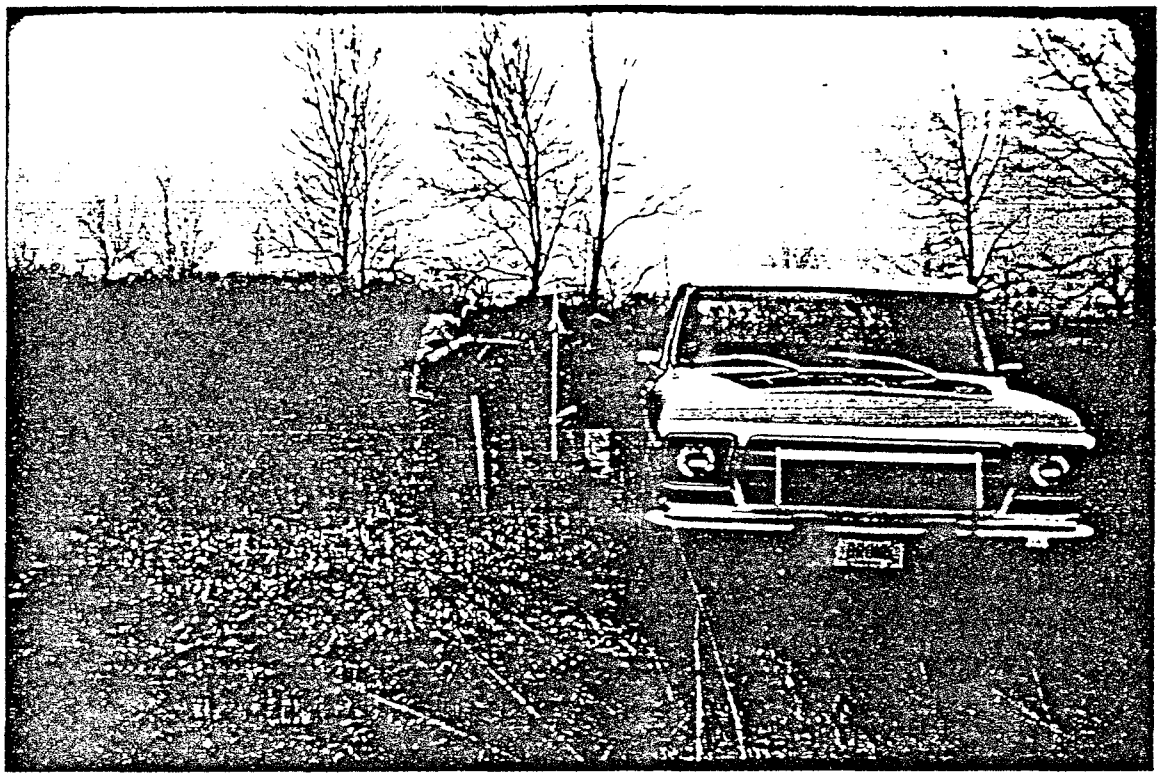


FIGURE 4: Boring sample being secured.

2.4

A walk-through of the property was performed with the use of a metal detector.

2.5

S.E.A. contacted the Department of the Army Corps of Engineers, to determine if they ever conducted any cleanup on the property in question.

OC 010616

2.6

S.E.A. also contacted the Franklin County and Delaware County Engineers' offices to determine the availability of aerial photographs of the area. Figures 5 and 6 are the aerial photographs obtained.

FIGURE 5: Photograph of area taken in 1938. Arrow indicates area in question.

OC 010617

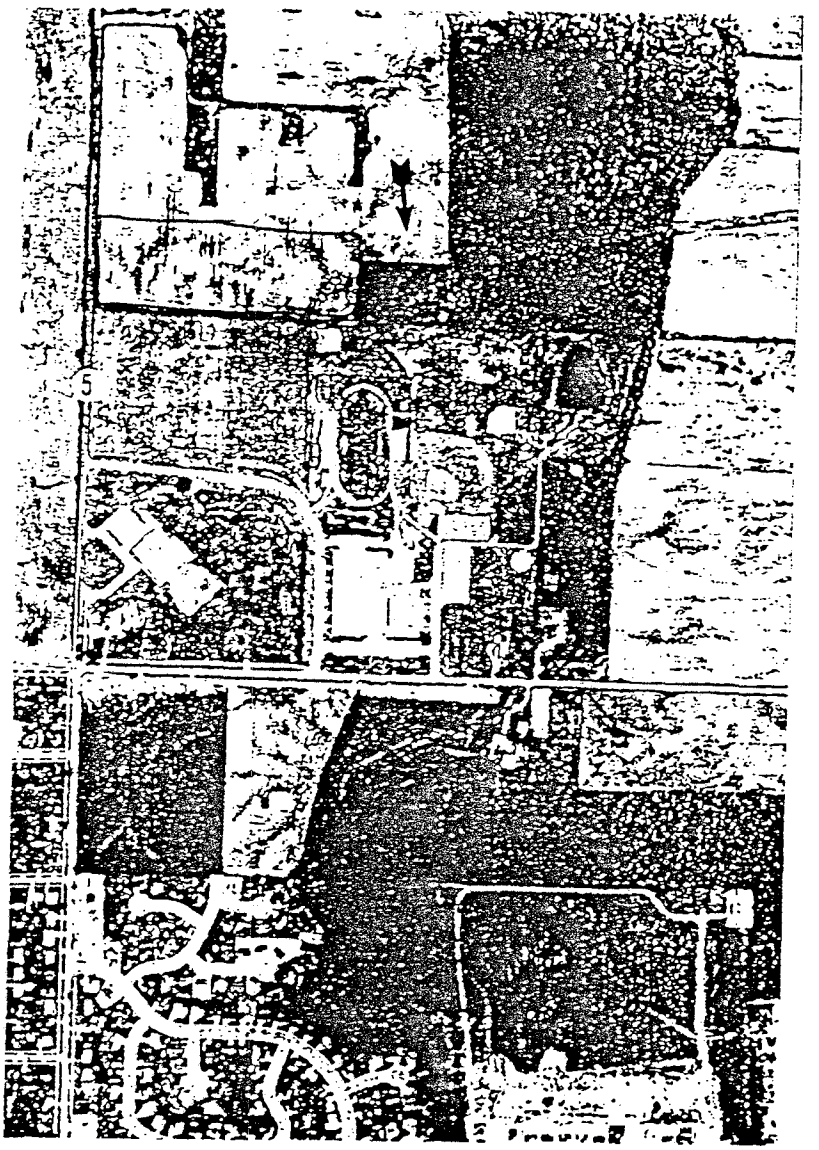


FIGURE 6: Photograph of area taken in 1981. Arrow indicates area in question.

OC 010618

2.7

The four water samples obtained from the monitor wells were then analyzed for the listed substances by the procedure stated.

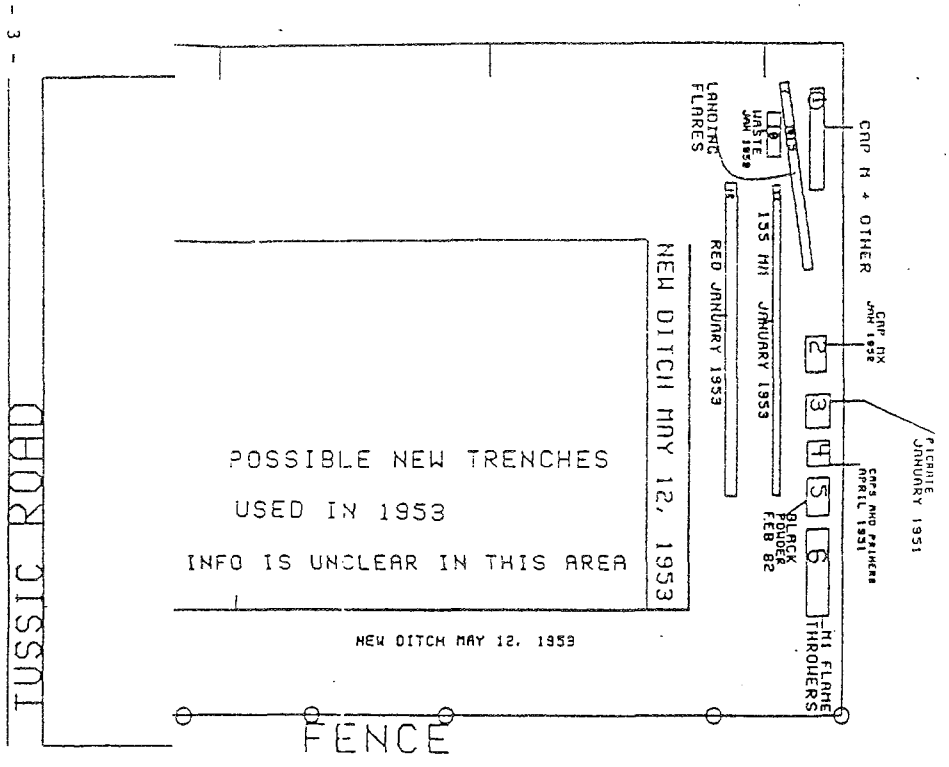
2.7.1 Volatile aromatic hydrocarbon samples were prepared in accordance with SW-846 method 5020 and analyzed in accordance with SW-846 method 8020.

2.7.2 Polychlorinated biphenyls were extracted in accordance with SW-846 method 3510 and analyzed in accordance with SW-846 method 8080.

2.7.3 Chlorinated volatile hydrocarbon samples were prepared in accordance with SW-846 method 5020 and analyzed in accordance with SW-846 method 8010.

2.7.4 Nitrates were analyzed by taking 10 ml of each sample and analyzing it in accordance with the Miltron Roy Company's Spectro Kit reagent system specific for nitrates.

OC 010619


TUSSIC ROAD
FENCE
POSSIBLE NEW TRENCHES
USED IN 1953
INFO IS UNCLEAR IN THIS AREA
NEW DITCH MAY 12, 1953
NEW DITCH MAY 12, 1953
CAP M + OTHER
CAP MX JAN 1952
PICRATE JANUARY 1951
CAPS AND PRIMERS APRIL 1951
BLACK POWDER FEB 82
M1 FLAME THROWERS
155 MM JANUARY 1953
RED JANUARY 1953
LANDING FLARES
WASTE JAN 1959
1
2
3
4
5
6

3. OBSERVATIONS AND ANALYSIS

3.1

The walk-through of the area with the metal detector did not indicate the presence of any large metallic structure below the surface in the area in question to a depth of approximately two feet (i.e. drums). However, one area was located (Figure 7) which produced many small, unidentifiable metal objects.

3.2

The analysis for volatile aromatic hydrocarbons did not indicate the presence of any above detectable limits in the ground water. Detectable limits were less than one microgram per liter for p-xylene.

3.3

The analysis for the presence of polychlorinated biphenyls (PCBs) did not indicate their presence. The detection limits were less than 0.5 parts per million (ppm).

3.4

The results of the analysis for EP toxic metals are presented in Table 1. Table 1 reveals that all metals analyzed were either not detected or found in concentrations below the EP toxicity limits.

OC 010621

TABLE 1

EP Tox Analysis for Metals in Milligrams per Liter

Exhibit	Lead (Pb)	Cadmium (Cd)	Chromium (Cr)	Silver (Ag)	Barium (Ba)	Mercury (Hg)	Selenium (Se)	Arsenic (As)
BLANK	<0.2	ND	ND	ND	ND	<0.0002	<0.005	<0.005
1 (North well)	1.1	ND	ND	ND	ND	<0.0002	<0.005	0.035
2 (West well)	<0.2	ND	ND	ND	ND	<0.0002	<0.005	0.018
3 (South well)	<0.2	ND	ND	ND	ND	0.00085	<0.005	0.019
4 (Southeast well)	<0.2	ND	ND	ND	ND	<0.0002	<0.005	0.016
Detection limits	0.2	0.05	0.5	0.25	2.5	0.0002	0.005	0.005
Current standard limits	5.0	1.0	5.0	5.0	100.0	0.2	1.0	5.0

OC 010622

3.5

The concentration of nitrates is presented in Table 2. As Table 2 reveals, the highest concentrations of nitrates were in samples 5 and 6, which were 1.15 mg/l and 2.20 mg/l, respectively. The maximum acceptable limits for nitrates according to the Safe Drinking Water Act is 10 mg/l which is above the concentration of nitrates isolated on all the samples.

3.6

S.E.A. contacted the Army Corps of Engineers and they informed S.E.A. that they did not perform any remedial action on the property in question.

4. CONCLUSIONS

4.1

It is the opinion of S.E.A., Inc. that there does not appear to be any large metal structures beneath the top two feet of the surface on the property (i.e. drums) using the metal detector. Small objects were found in the area as previously mentioned in paragraph 3.1.

4.2

It is also the opinion of S.E.A. that the ground water did not contain any volatile aromatic or chlorinated hydrocarbons above detectable limits at the time of the evaluation.

OC 010623

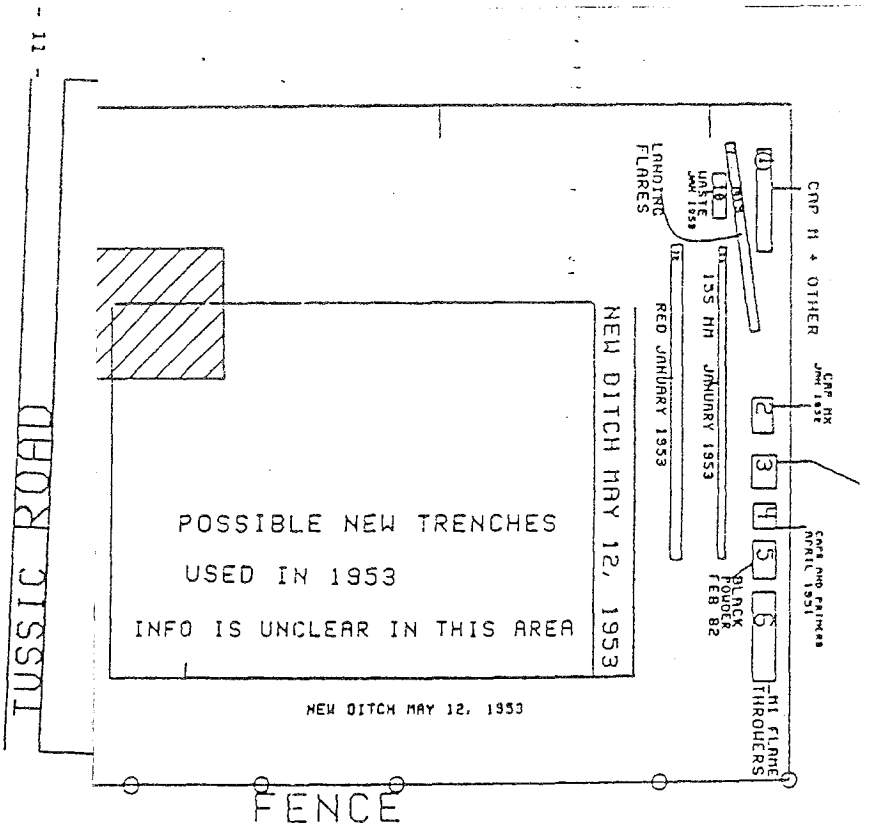

TUSSIC ROAD
POSSIBLE NEW TRENCHES
USED IN 1953
INFO IS UNCLEAR IN THIS AREA
NEW DITCH MAY 12, 1953
NEW DITCH MAY 12, 1953
FENCE
LANDING FLARES
WASTE JAN 1953
135 MM JANUARY 1953
RED JANUARY 1953
BLACK POWDER FEB 52
CAP M1 + OTHER
CAP MX JAN 1952
CAPS AND PRIMERS APRIL 1951
M1 FLAME THROWERS

TABLE 2

Nitrate Analysis Results in Milligrams per Liter

Exhibit	Nitrate Concentration
5 (North well)	1.15
6 (West well)	2.20
7 (South well)	0.40
8 (Southeast well)	0.20
Tap water	0.80
BLANK	0.20

OC 010625

4.3

It is further the opinion of S.E.A. that there was no contamination of the ground water with PCBs above detectable limits.

4.4

Moreover, it is the opinion of S.E.A. that although metals were detected in the ground water, they were below the EP toxicity limits.

4.5

Finally, it is the opinion of S.E.A., Inc. that the concentration of nitrates in the ground water is below the Safe Drinking Water Act limits of 10 mg/l.

FINIS

S.E.A., INC.

Report Prepared By:

Charles A. Guinther, Jr.
Senior Environmental Scientist

Report Reviewed By:

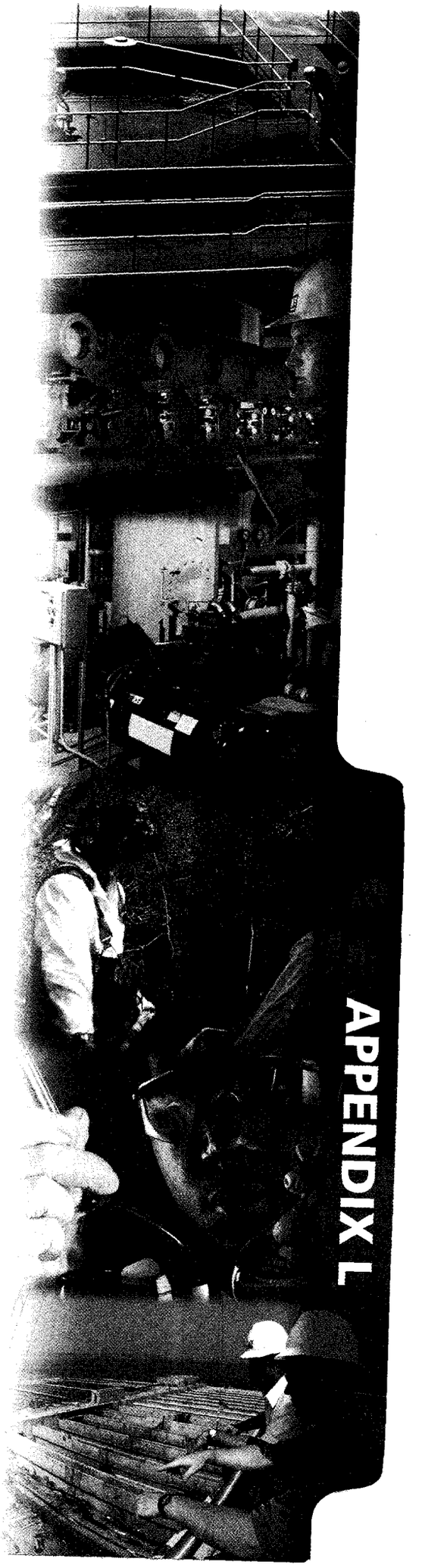
Ronald N. Thaman
Manager-Corporate Laboratories

Sharon L. Roney
Environmental Scientist

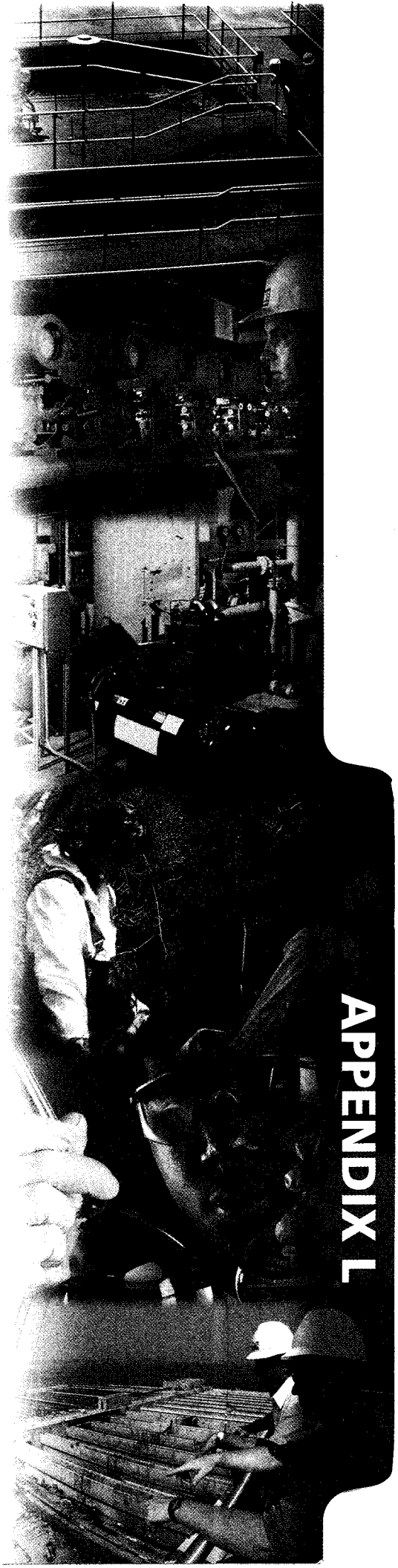
CAG/djp

OC 010626

APPENDIX L



APPENDIX L



APPENDIX L

Ohio Fire Marshal Report

Copy to - Ben Games / School Bus. Mgr. & Engineer 5/31/88

Ohio Department of Commerce
Two Nationwide Plaza • Columbus, Ohio • 43266-0544
Richard F. Celeste, Governor

ARSON CRIME LABORATORY REPORT

TO: MORRISON, CHIEF RICHARD
WESTERVILLE FIRE DEPARTMENT
400 WEST MAIN STREET
WESTERVILLE, OHIO 43081

DATE PRINTED: 05/10/88

RE: ACL Case No.: 880265
Agency Case No.: 24639
Incident date: 05/03/88
Owner: CITY OF WESTERVILLE
Occupant: NONE
Location: 494 MICHAEL AVENUE, WESTERVILLE, FRANKLIN

LIST OF EVIDENCE SUBMITTED:

		TEST REQUEST CODE
SUBMITTED BY :	DURHAM, LYNN	
DATE SUBMITTED :	05/04/88	
01 GL BOTTLE	GREY SUBSTANCE FOUND IN FIELD	E ,
02 GL BOTTLE	PINK SUBSTANCE FOUND IN FIELD	E ,
03 GL BOTTLE	BROWN/GREY SUBSTANCE FOUND IN FIELD	E ,
SUBMITTED BY :	MORRISON, CHIEF RICHARD	
DATE SUBMITTED :	05/04/88	
04 PL. BAG W/	METAL CONTAINER FOUND IN FIELD	HO,

FINDINGS:

Explosive analysis revealed ALUMINIUM FLITTER
in exhibit(s) 01.

Explosive analysis revealed ALUMINIUM FLITTER/SODIUM NITRITE/SULFUR
in exhibit(s) 03.

Explosive analysis revealed SULFUR
in exhibit(s) 02.

Ohio Department of Commerce
Two Nationwide Plaza • Columbus, Ohio • 43266-0544
Richard F. Celeste, Governor

ARSON CRIME LABORATORY REPORT

TO: BOKROS, JOHN
WESTERVILLE FIRE DEPARTMENT
400 WEST MAIN STREET
WESTERVILLE, OHIO 43081

DATE PRINTED: 05/10/88

RE: ACL Case No.: 880267
Agency Case No.:
Incident date: 05/05/88
Owner: CITY OF WESTERVILLE
Occupant: OTTERBEIN COLLEGE
Location: 1150 NORTH SPRING ROAD, WESTERVILLE, FRANKLIN

LIST OF EVIDENCE SUBMITTED: TEST REQUEST CODE

SUBMITTED BY : BOKROS, JOHN
DATE SUBMITTED : 05/05/88
01 1/2PT CAN CHEMICALS FROM FORMER KILGORE MUNITIONS SITE E ,

FINDINGS:

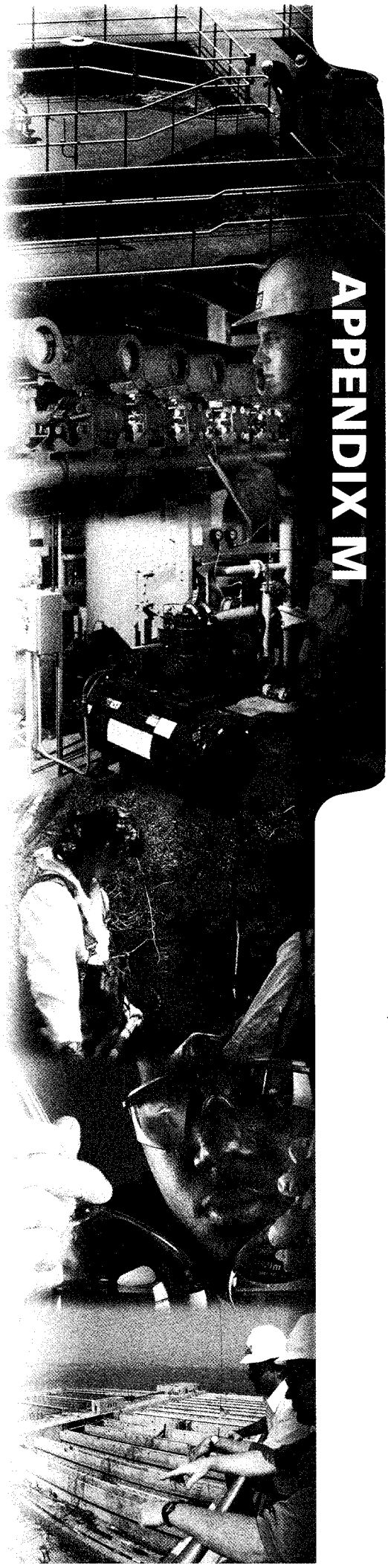
Explosive analysis revealed ALUMINIUM FLITTER/SODIUM NITRITE in exhibit(s) 01.

PLEASE PICK UP THE EVIDENCE AT YOUR EARLIEST CONVENIENCE.

All subpoenas should be mailed to the Arson Crime Laboratory, 8895 East Main Street Reynoldsburg, Ohio 43068 (Licking County) or delivered via Licking County Sheriff Department.

* * * E N D O F R E P O R T * * *

APPENDIX M



OC 010632

APPENDIX M

Telephone Conversation Logs

METCALF & EDDY, INC.

TELECON MEMORANDUM

JOB NO. 021796

DATE: March 19, 1998

SUBJECT: Kilgore Farm Property

M&E ENGINEER: T. Aebi

OUTSIDE PARTY: Ohio Historical Society

MADE CALL (X) 1210

REC'D CALL ( )

297-2510

COMMENTS	SUMMARY OF CONVERSATION:
	- Historical Preservation Office - 297-2470 - Spoke with reference desk person. - Society does have old aerial photos - the aerials are not ~~cotes~~ indexed - Need to come in to the Historical Society to see if aerials apply

CC:

M&E FORM NO. 196 (9/78)

OC 010634

METCALF & EDDY, INC.

TELECON MEMORANDUM

JOB NO. 021796 DATE: 3/19/98

SUBJECT: Kilgore Farm Property

M&E ENGINEER: T. Hebie OUTSIDE PARTY: Mr. Charlie Destefani

MADE CALL (X) 1233 690-9520

REC'D CALL ( ) City of Westerville Surveyor

COMMENTS	SUMMARY OF CONVERSATION:
	Left message
	3/18/98 1400 rec'd phone call - Mr. Destefani for 2 aerials
	1420 T. Hebie & J Stevenson arrive at City of Westerville Planning & Commission Building - Mr. Destefani stated the aerial is from approx 1959 due to the completion of Hoover Reservoir and old Sunbury road is not redirected then.
	Mr. Destefani states that Pearl and Richard Guerman both worked for Kilgore, would probably speak to us.
	T. Hebie copied and returned aerial photos.

CC:

M&E FORM NO. 196 (9/78)

OC 010635

METCALF & EDDY, INC.

TELECON MEMORANDUM

JOB NO. _____ DATE: 3/17/98

SUBJECT: Kilgore Property

M&E ENGINEER: T. Aebie

MADE CALL (X) 1440

REC'D CALL ( )

OUTSIDE PARTY: Mr. Davidson
WPAFB Unit 88 10 Area C
937-257-7801

COMMENTS	SUMMARY OF CONVERSATION:
	- Spoke with Mr. Davidson - he will check into base archives + others on base about old info - Kilgore Property - N.V. Westerville - will contact Military Archives to see if they have info - will get back to me in a couple of days.

CC:

M&E FORM NO. 196 (9/78)

OC 010636

METCALF & EDDY, INC.

TELECON MEMORANDUM

JOB NO. _____ DATE: 3/19/98

SUBJECT: _____

M&E ENGINEER: T. Aebi OUTSIDE PARTY: OFMB

MADE CALL (X) 1236 752-8200

REC'D CALL ( )

COMMENTS	SUMMARY OF CONVERSATION:
	→ Bureau of ST ←
	→ Bob Rhodes ←
	- will conduct microfiche search for Kelly
	- should have results early next week
	- FMB report 1988 regarding findings from lab
3/25/98 0917	phoned for Bob Rhodes - not in; left message
3/26/98 1257	→ Did not find anything in files
	- don't know where other file
	Hay Mart Records still not found
	- will keep looking

CC:

_____

_____

_____

M&E FORM NO. 196 (9/78)

OC 010637

METCALF & EDDY, INC.

TELECON MEMORANDUM

JOB NO. 021796 DATE: 3/19/98

SUBJECT: Kilgore Property

M&E ENGINEER: T. Acbie OUTSIDE PARTY: 1st Lt. Appleby

MADE CALL (X) 937-257-4536

REC'D CALL ( ) 1315

COMMENTS	SUMMARY OF CONVERSATION:
	phoned Lt. Appleby - Unit Commander EOD T.A. - inquired on EOD records from detonations on Kilgore property in Westerville, Ohio Lt. Appleby: Files kept 3 years then destroyed - now files kept 7 years before being destroyed - he has no knowledge of site or work done there - stated several (3) months ago a Major from the pentagon made inquiry into files at Kilgore / Westerville

CC:

M&E FORM NO. 196 (9/78)

OC 010638

METCALF & EDDY, INC.

TELECON MEMORANDUM

JOB NO. 021796 DATE: 3/26/98

SUBJECT: Kilgore Farm Property

M&E ENGINEER: T. Aebie OUTSIDE PARTY: Rock Island Arsenal

MADE CALL (X) 1445 309-782-6001

REC'D CALL ( ) 1401

COMMENTS

SUMMARY OF CONVERSATION:

Environmental Engineering

Leslie - took message - all personnel in meeting

309-782-1374 Andy Poppen

1374 extension

APSA Procedure to Industrial Operations Command precursor

- will try ad figure out history

April 13, 98 T.A. recieved phone call 4:15

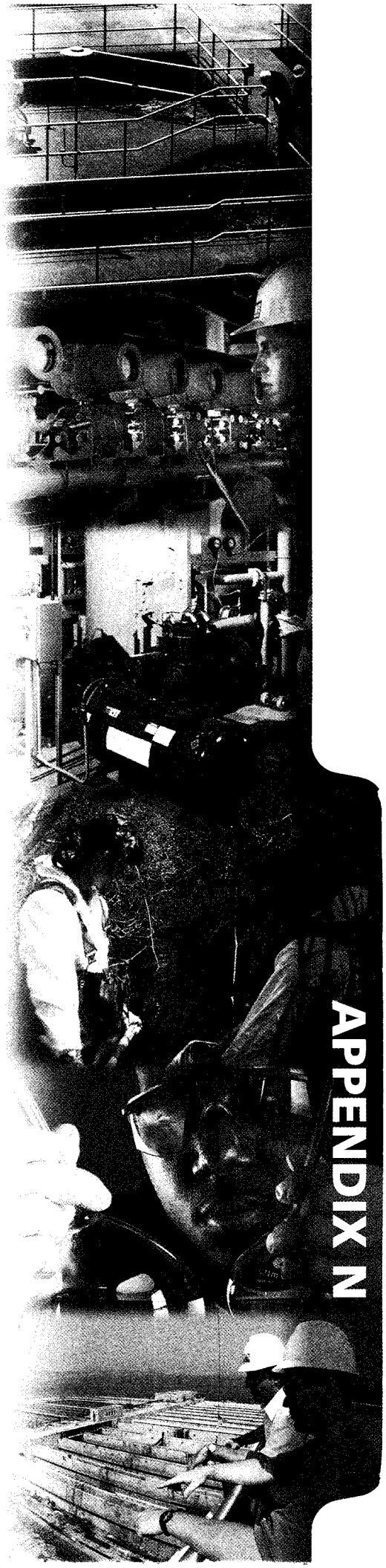
Mr. Andy Poppen telephoned and left voice mail message. Mr. Poppen could not find any files from the APSA timeframe. Mr. Poppen stated that at the Rock Island Arsenal a Mr. Milt McKinney (309-782-3765) would be the person who would have any knowledge of the APSA files, if they exist

CC:

M&E FORM NO. 196 (9/78)

OC 010639

APPENDIX N



OC 010640

APPENDIX N

ERIIS Database

SUBJECT PROPERTY: 6177006.003
Kilgore Farm
Westerville, OH 43085

ORDERED BY: LAWH02

ERIIS DISCLAIMER

The Information contained in the ERIIS Report has been obtained from publicly available data sources and other secondary sources of information produced by entities other than ERIIS. Although reasonable care has been taken by ERIIS in compiling the information contained in the Report, ERIIS disclaims any and all liability for any errors, omissions or inaccuracies in this information. THIS REPORT DOES NOT CONSTITUTE A LEGAL OR PROFESSIONAL OPINION AND IS NOT AN ENVIRONMENTAL RISK AUDIT OR ASSESSMENT. THE DATA AND REPORTS ARE PROVIDED "AS IS". ERIIS MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND WHATSOEVER WITH RESPECT TO THE DATA OR THE REPORTS INCLUDING, BUT NOT LIMITED TO, THEIR CORRECTNESS, COMPLETENESS, CURRENTNESS, FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, NOR ARE SUCH REPRESENTATIONS OR WARRANTIES TO BE IMPLIED WITH RESPECT TO THE DATA OR REPORTS FURNISHED AND ERIIS ASSUMES NO RESPONSIBILITY WITH RESPECT TO THE PURCHASER'S USE THEREOF. ERIIS SHALL HAVE NO LIABILITY, IN CONTRACT, TORT OR OTHERWISE, FOR ANY INACCURACY OR DEFECT OR OMISSION IN PROCURING, COMPILING, COLLECTING, INTERPRETING, REPORTING, COMMUNICATING OR DELIVERING THE REPORTS OR DATA OR ANY OTHER MATTER RELATED TO CUSTOMER'S USE OF THE SERVICE, WITHOUT LIMITING THE GENERALITY OF THE FOREGOING. NONE OF ERIIS, ITS PARTNERS, OFFICERS, EMPLOYEES OR DATA SUPPLIERS SHALL IN ANY EVENT HAVE ANY LIABILITY FOR LOST PROFITS OR FOR ANY OTHER INDIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL, EXEMPLARY OR PUNITIVE DAMAGES. Each Report is valid only for the geographical parameters and as of the date specified on the cover page of such Report, and any alteration or deviation from the description, or any subsequent use, will require a new Report. In the case of any Data obtained from a Data Supplier, ERIIS will advise the Data Supplier of any inaccuracies reported to it, but can take no responsibility for the accuracy or completeness of the Data provided to the Purchaser under this Agreement.

SUBJECT PROPERTY: 6177006.003
Kilgore Property-Tussic Street Road
Westerville, OH 43085

ORDERED BY: LAWH02

ERIIS DISCLAIMER

The Information contained in the ERIIS Report has been obtained from publicly available data sources and other secondary sources of information produced by entities other than ERIIS. Although reasonable care has been taken by ERIIS in compiling the information contained in the Report, ERIIS disclaims any and all liability for any errors, omissions or inaccuracies in this information. THIS REPORT DOES NOT CONSTITUTE A LEGAL OR PROFESSIONAL OPINION AND IS NOT AN ENVIRONMENTAL RISK AUDIT OR ASSESSMENT. THE DATA AND REPORTS ARE PROVIDED "AS IS". ERIIS MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND WHATSOEVER WITH RESPECT TO THE DATA OR THE REPORTS INCLUDING, BUT NOT LIMITED TO, THEIR CORRECTNESS, COMPLETENESS, CURRENTNESS, FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, NOR ARE SUCH REPRESENTATIONS OR WARRANTIES TO BE IMPLIED WITH RESPECT TO THE DATA OR REPORTS FURNISHED AND ERIIS ASSUMES NO RESPONSIBILITY WITH RESPECT TO THE PURCHASER'S USE THEREOF. ERIIS SHALL HAVE NO LIABILITY, IN CONTRACT, TORT OR OTHERWISE, FOR ANY INACCURACY OR DEFECT OR OMISSION IN PROCURING, COMPILING, COLLECTING, INTERPRETING, REPORTING, COMMUNICATING OR DELIVERING THE REPORTS OR DATA OR ANY OTHER MATTER RELATED TO CUSTOMER'S USE OF THE SERVICE, WITHOUT LIMITING THE GENERALITY OF THE FOREGOING. NONE OF ERIIS, ITS PARTNERS, OFFICERS, EMPLOYEES OR DATA SUPPLIERS SHALL IN ANY EVENT HAVE ANY LIABILITY FOR LOST PROFITS OR FOR ANY OTHER INDIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL, EXEMPLARY OR PUNITIVE DAMAGES. Each Report is valid only for the geographical parameters and as of the date specified on the cover page of such Report, and any alteration or deviation from the description, or any subsequent use, will require a new Report. In the case of any Data obtained from a Data Supplier, ERIIS will advise the Data Supplier of any inaccuracies reported to it, but can take no responsibility for the accuracy or completeness of the Data provided to the Purchaser under this Agreement.

E R I I S
505 Huntmar Park Dr, Suite 200
Herndon, VA 20170
(703)834-0600 (800)989-0402
FAX: (703)834-0606

SITE INFORMATION

6177006.003
Kilgore Farm
Westerville, OH
Delaware County
Job Number: 158943A
Map Plotted: Apr 11, 1997

MAP LEGEND

- Target Area
- Radii .5, 1, 2 Mi
- Hydrography
- Railroads
- Roads
- Highways
- NPL 0 Sites
- RCRIS_TS 0 Sites
- CERCLIS 0 Sites
- NFRAP 0 Sites
- RCRIS_LG 2 Sites
- RCRIS_SG 8 Sites
- TRI 1 Site
- ERNS 0 Sites
- HWS 1 Site
- LRST 16 Sites
- SWF 0 Sites
- RST 11 Sites
- SPILLS 13 Sites

Miles

0 0.25 0.5

The Information on this map is subject to the ERIIS Disclaimer
Copyright 1997 ERIIS

OC 010644

ERIIS Custom Detail Radius Statistical Profile

ERIIS Report #158943A

Apr 11, 1997

: 6177006.003
Kilgore Farm
Westerville, OH 43085

Latitude: 40.143067
Longitude: -82.900140

State: OH

DATABASE	RADIUS (MI)	TARGET AREA**	PROPERTY-1/4	1/4-1/2	1/2-1	>1	TOTAL
NPL	2.00		0	0	0	0	0
CERCLIS	2.00		0	0	0	0	0
RCRIS_TS	2.00		0	0	0	0	0
RCRIS_LG	2.00		0	0	0	2	2
RCRIS_SG	2.00		0	0	1	7	8
ERNS	2.00		0	0	0	0	0
LRST	2.00		0	1	0	15	16
RST	2.00		0	0	1	10	11
SWF	2.00		0	0	0	0	0
HWS	2.00		1	0	0	0	1
NFRAP	2.00		0	0	0	0	0
OPENDUMP	NR						0
TRI	2.00		0	0	0	1	1
SPILLS	2.00		0	1	1	11	13
			1	2	3	46	52

TOPO QUAD: Galena

Radon Zone Level: 1

Zone 1 has a predicted average indoor screening level > than 4 pCi/L

A Radon Zone should not be used to determine if individual homes need to be tested for radon.
The EPA's Office of Radiation and Indoor Air (202/233-9320) recommends that all homes be tested for radon, regardless of geographic location or the zone designation in which the property is located.

A target area is defined as a .02 mile buffer around the site's latitude and longitude.
blank radius count indicates that the database was not searched by this radius per client instructions.
in a radius count indicates that the database cannot be reported by this search criteria due to insufficient r inaccurate addresses reported by a federal/state agency.

OC 010645

Date of Data: 12/01/96
Release Date: 01/09/97
Date on System: 02/14/97
US Environmental Protection Agency
Office of Solid Waste and Emergency Response
703/603-8881

National Priorities List

The NPL Report is an EPA listing of the nation's worst uncontrolled or abandoned hazardous waste sites. NPL sites are targeted for possible long-term remedial action under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980. In addition, the NPL Report includes information concerning cleanup agreements between EPA and Potentially Responsible Parties (commonly called Records of Decision, or RODS), any liens filed against contaminated properties, as well as the past and current EPA budget expenditures tracked within the Superfund Consolidated Accomplishments Plan (SCAP).

CERCLIS
Date of Data: 12/01/96
Release Date: 01/09/97
Date on System: 02/07/97
US Environmental Protection Agency
Office of Solid Waste and Emergency Response
703/603-8730

Comprehensive Environmental Response, Compensation, and Liability Information System

The CERCLIS Database is a comprehensive listing of known or suspected uncontrolled or abandoned hazardous waste sites. These sites have either been investigated, or are currently under investigation by the U.S. EPA for the release, or threatened release of hazardous substances. Once a site is placed in CERCLIS, it may be subjected to several levels of review and evaluation, and ultimately placed on the National Priorities List (NPL). In addition to site events and milestone dates, the CERCLIS Report also contains financial information from the Superfund Consolidated Accomplishments Plan (SCAP).

`IS_TS
Date of Data: 10/01/96
Release Date: 12/16/96
Date on System: 03/14/97
US Environmental Protection Agency
Office of Solid Waste and Emergency Response
202/260-4610

Resource Conservation and Recovery Information System - Treatment, Storage, And Disposal Facilities

The RCRIS_TS Report contains information pertaining to facilities which either treat, store, or dispose of EPA regulated hazardous waste. The following information is also included in the RCRIS_TS Report:
- Information pertaining to the status of facilities tracked by the RCRA Administrative Action Tracking System (RAATS)
- Inspections & evaluations conducted by federal and state agencies
- All reported facility violations, the environmental statute(s) violated, and any proposed & actual penalties
- Information pertaining to corrective actions undertaken by the facility or EPA
- A complete listing of EPA regulated hazardous wastes which are generated or stored on-site

RCRIS_LG
Date of Data: 10/01/96
Release Date: 12/16/96
Date on System: 03/14/97
US Environmental Protection Agency
Office of Solid Waste and Emergency Response
202/260-4610

Resource Conservation and Recovery Information System - Large Quantity Generators

The RCRIS_LG Report contains information pertaining to facilities which either generate more than 1000kg of EPA regulated hazardous waste per month, or meet other applicable requirements of the Resource Conservation And Recovery Act. The following information is also included in the RCRIS_LG Report:
- Information pertaining to the status of facilities tracked by the RCRA Administrative Action Tracking System (RAATS)
- Inspections & evaluations conducted by federal and state agencies
- All reported facility violations, the environmental statute(s) violated, and any proposed & actual penalties
- Information pertaining to corrective actions undertaken by the facility or EPA
- A complete listing of EPA regulated hazardous wastes which are generated or stored on-site

S_SG
Date of Data: 10/01/96
Release Date: 12/16/96
Date on System: 03/14/97
US Environmental Protection Agency
Office of Solid Waste and Emergency Response
202/260-4610

Resource Conservation and Recovery Information System - Small Quantity Generators

The RCRIS_SG Report contains information pertaining to facilities which either generate between 100kg and 1000kg of EPA regulated hazardous waste per month, or meet other applicable requirements of the Resource Conservation And Recovery Act. On advice of the U.S. EPA, ERIIS does not report so-called "RCRA Protective Filers." Protective Filers, commonly called Conditionally Exempt Small Quantity Generators (CESQG's), are facilities that have completed RCRA notification paperwork, but are not, in fact, subject to RCRA regulation. The determination of CESQG status is made by the U.S. EPA. The following information is also included in the RCRIS_SG Report:
- Information pertaining to the status of facilities tracked by the RCRA Administrative Action Tracking System (RAATS)
- Inspections & evaluations conducted by federal and state agencies
- All reported facility violations, the environmental statute(s) violated, and any proposed & actual penalties
- Information pertaining to corrective actions undertaken by the facility or EPA
- A complete listing of EPA regulated hazardous wastes which are generated or stored on-site

ERNS
Date of Data: 12/31/96
Release Date: 01/09/97
Date on System: 03/21/97
US Environmental Protection Agency
Office of Solid Waste and Emergency Response
202/260-2342

Emergency Response Notification System

ERNS is a national computer database system that is used to store information concerning the sudden and/or accidental release of hazardous substances, including petroleum, into the environment. The ERNS Reporting System contains preliminary information on specific releases, including the spill location, the substance released, and the responsible party. Please note that the information in the ERNS Report pertains only to those releases that occured between January 1, 1996 and August 22, 1996.

LRST
Date of Data: 12/17/96
Release Date: 12/23/96
Date on System: 03/07/97
OH Office of the State Fire Marshal
Bureau of Underground Storage Tanks
614/752-7938

Ohio Leaking Underground Storage Tank Report

The Ohio Leaking Underground Storage Tank Report (formerly The Petroleum Underground Storage Tank Release Incident Report, or PUSTR) is a comprehensive listing of all reported active and inactive leaking underground storage tanks located within the State of Ohio.

RST
Date of Data: 12/17/96
Release Date: 12/23/96
Date on System: 03/07/97
OH Office of the State Fire Marshal
Bureau of Underground Storage Tanks
614/752-8200

Ohio Underground Storage Tank Report

The Ohio Underground Storage Tank Report is a comprehensive listing of all registered active and inactive underground storage tanks located within the State of Ohio.

SWF
Date of Data: 08/08/96
Release Date: 08/15/96
Date on System: 09/20/96
OH Environmental Protection Agency
Division of Solid Waste Management
614/644-3135

Ohio Solid Waste Facility List

The Ohio Solid Waste Facility List contains information pertaining to all active and inactive permitted solid waste landfills and processing facilities within the State of Ohio.

Date of Data: 12/31/96
Release Date: 02/21/97
Date on System: 03/21/97
OH Environmental Protection Agency
Emergency and Remedial Response Division
614/644-2924

Ohio Master Sites List

The Ohio Master Sites List tracks sites in Ohio where hazardous waste has been found or where there are any known, suspected, or likely release of such wastes from a facility.

NFRAP

Date of Data: 12/01/96
Release Date: 01/09/97
Date on System: 01/31/97
US Environmental Protection Agency
Office of Solid Waste and Emergency Response
703/603-8881

No Further Remedial Action Planned Sites

The No Further Remedial Action Planned Report (NFRAP), also known as the CERCLIS Archive, contains information pertaining to sites which have been removed from the U.S. EPA's CERCLIS Database. NFRAP sites may be sites where, following an initial investigation, either no contamination was found, contamination was removed quickly without need for the site to be placed on the NPL, or the contamination was not serious enough to require federal Superfund action or NPL consideration.

OPENDUMP

Date of Data: 01/01/90
Release Date: 01/01/91
Date on System: 01/01/92
US Environmental Protection Agency
Office of Solid Waste and Emergency Response
202/260-4687

Open Dumps Report

The Resource Conservation and Recovery Act defines the term "Open Dump" to mean "....any facility or site where solid waste is disposed of which is not a sanitary landfill which meets the criteria promulgated under Section 4004 and which is not a facility for the disposal of hazardous waste." Thus, any facility which fails to comply with any one element of the criteria is considered to be an Open Dump.

TRI

Date of Data: 12/31/94
Release Date: 08/01/96
Date on System: 01/24/97
US Environmental Protection Agency
Office of Pollution Prevention and Toxics
202/260-1531

Toxic Release Inventory System of 1994

The TRI Report contains information concerning the industrial release and/or transfer of toxic chemicals as reportable under Title III of the Superfund Amendments And Reauthorization Act Of 1986 (SARA Title III).

SPILLS

Date of Data: 12/31/96
Release Date: 02/10/97
Date on System: 03/21/97
OH Environmental Protection Agency
Emergency Response Section
614/644-3196

Ohio Emergency Response Database (EROS)

The Ohio Emergency Response (EROS) Report contains summary information from 1978 through 1993 pertaining to all reported spills or releases to the environment that have occurred within the State of Ohio.

If a selected database does not appear on this list, it is not available for the subject property's state.

ERIIS Report #158943A

Apr 11, 1997

S ID. / DATABASE	FACILITY ADDRESS / COMMENTS	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID
	0 - 1/4 Miles			
39050000055 HWS	Kilgore Manufacturing North Spring Rd Westerville, OH 43081 County: Franklin	.077 Mi	SOUTHEAST	1
	1/4 - 1/2 Miles			
39005006841 LRST	Fruehauf Corp 111 E Maxtown Rd Westerville, OH 43081 County: Delaware	.437 Mi	NORTHEAST	2
39021049051 SPILLS	Purdie Metal 263 Maxtown Rd Westerville, OH 43082-8757 County: Delaware	.495 Mi	NORTHEAST	3
	1/2 - 1 Miles			
39008010078 RCRIS_SG	Swan Cleaners Store No 5 1194 County Line Rd Westerville, OH 43081-6015 County: Delaware	.762 Mi	SOUTHWEST	4
39010006581 RST	Building & Grounds Services 816 County Line Rd Westerville, OH 43081-1003 County: Delaware	.857 Mi	SOUTHWEST	5
39021047379 S	Mr Charles Cline 691 Lakeland Dr Westerville, OH 43081-1849 County: Franklin	.880 Mi	SOUTHWEST	6
	> 1 Mile			
39007000929 RCRIS_LG	National Engine Rebuilders Inc 6225 Frost Dr Westerville, OH 43082-9027 County: Delaware	1.14 Mi	NORTHWEST	7
39021045675 SPILLS	Gutman Oil Co 6190 Frost Dr Westerville, OH 43082-9027 County: Delaware	1.17 Mi	NORTHWEST	8
39005007693 LRST	Guttman Oil Co 6190 Frost Dr Westerville, OH 43082-9027 County: Delaware	1.17 Mi	NORTHWEST	8
39010005352 RST	Guttman Oil Co. 6190 Frost Dr Westerville, OH 43082-9027 County: Delaware	1.17 Mi	NORTHWEST	8
39008008496 RCRIS_SG	Guttman Oil Westerville Plant 6190 Frost Dr Westerville, OH 43082-9027 County: Delaware	1.17 Mi	NORTHWEST	8
39010004815 RST	United Dairy Farmers #660 7085 State Route 3 Westerville, OH 43082-8894 County: Delaware	1.24 Mi	NORTHWEST	9
11637	Absolute Electric 297 Old County Line Rd Westerville, OH 43081-1602 County: Franklin	1.32 Mi	SOUTHWEST	10

OC 010649

Summary of Plottable sites

ERIIS Report #158943A

Apr 11, 1997

IS ID. DATABASE	FACILITY ADDRESS COMMENTS	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID
39008002120 RCRIS_SG	Blair John Co 140 N Otterbein Ave Westerville, OH 43081-1746 County: Franklin	1.41 Mi	SOUTHWEST	11
39005017248 LRST	Wetzler Concrete Inc 266 Broad St Westerville, OH 43081-1604 County: Franklin	1.47 Mi	SOUTHWEST	12
39010005686 RST	Wetzler Concrete, Inc. 266 Broad St Westerville, OH 43081-1604 County: Franklin	1.47 Mi	SOUTHWEST	12
39008004199 RCRIS_SG	A Bee C Service Inc 288 E Broadway St Westerville, OH 43081-1657 County: Franklin	1.48 Mi	SOUTHWEST	13
39005013134 LRST	Robin Enterprises 281 E Broadway St Westerville, OH 43081-1646 County: Franklin	1.49 Mi	SOUTHWEST	14
39010006505 RST	Robin Enterprises Co., Inc. 281 E Broadway St Westerville, OH 43081-1646 County: Franklin	1.49 Mi	SOUTHWEST	14
1046001 SPILLS	Industrial Fabricators 265 E Broadway St Westerville, OH 43081-1646 County: Franklin	1.52 Mi	SOUTHWEST	16
39008003086 RCRIS_SG	Robin Enterprises 111 N Otterbein Ave Westerville, OH 43081-5703 County: Franklin	1.52 Mi	SOUTHWEST	15
39010006636 RST	Robin Enterprises Co., Inc. 111 N Otterbein Ave Westerville, OH 43081-5703 County: Franklin	1.52 Mi	SOUTHWEST	15
39008008887 RCRIS_SG	Hance Corp The 235 E Broadway St Westerville, OH 43081-1656 County: Franklin	1.57 Mi	SOUTHWEST	17
39021043395 SPILLS	Clark L Rhodes 1073 E Walnut St Westerville, OH 43081-2567 County: Franklin	1.61 Mi	SOUTHEAST	18
39005016055 LRST	United Mcgill 200 E Broadway St Westerville, OH 43081-1657 County: Franklin	1.61 Mi	SOUTHWEST	19
39021049568 SPILLS	S & T Painting Company 179 Hillcrest Dr Westerville, OH 43081-2419 County: Franklin	1.62 Mi	SOUTHWEST	20
7000881 RCRIS_LG	Anomatic Corp 175 E Broadway St Westerville, OH 43081-1656 County: Franklin	1.64 Mi	SOUTHWEST	21

OC 010650

ERIIS Report #158943A Apr 11, 1997

ERIS ID. DATABASE	FACILITY ADDRESS COMMENTS	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID
39009000076 TRI	Anomatic Corp. 175 E Broadway St Westerville, OH 43081-1656 County: Franklin	1.64 Mi	SOUTHWEST	21
39021042513 SPILLS	Bill Loudermilk 295 Mary Ave Westerville, OH 43081-1731 County: Franklin	1.66 Mi	SOUTHWEST	23
39021044906 SPILLS	Epro Inc 156 E Broadway St Westerville, OH 43081-1508 County: Franklin	1.66 Mi	SOUTHWEST	24
39008004974 RCRIS_SG	Painting Lady 313 E Park St Westerville, OH 43081-1749 County: Franklin	1.66 Mi	SOUTHWEST	22
39021050778 SPILLS	Tom Magelaner 232 E Home St Westerville, OH 43081-1652 County: Franklin	1.72 Mi	SOUTHWEST	25
39021048612 SPILLS	Omega Oil Co 7010 Sunbury Rd Westerville, OH 43082-8606 County: Delaware	1.74 Mi	NORTHEAST	27
08005648 RIS_SG	Glassburn Body Shop 64 Israel St Westerville, OH 43081-1618 County: Franklin	1.74 Mi	SOUTHWEST	26
39005002917 LRST	Cellar Lumber Co 137 E College Ave Westerville, OH 43081-1647 County: Franklin	1.80 Mi	SOUTHWEST	28
39005016204 LRST	Unknown 130 E College Ave Westerville, OH 43081-1614 County: Franklin	1.80 Mi	SOUTHWEST	29
39005003012 LRST	Certified 7851 Sunbury Rd Westerville, OH 43081-2536 County: Franklin	1.82 Mi	SOUTHEAST	30
39021043096 SPILLS	Certified Oil Co E Walnut St At Sunbury Rd Westerville, OH 43081 County: Franklin	1.82 Mi	SOUTHEAST	30
39010005718 RST	Certified Oil Co. #324 7851 Sunbury Rd Westerville, OH 43081-2536 County: Franklin	1.82 Mi	SOUTHEAST	30
39005008209 LRST	Hoover Dam Maint Bldg E Walnut St At Sunbury Rd Westerville, OH 43081 County: Franklin	1.82 Mi	SOUTHEAST	30
05006102 LRST	Former Dealership 80 E Home St Westerville, OH 43081-1533 County: Franklin	1.89 Mi	SOUTHWEST	31

ERIIS Report #158943A

Apr 11, 1997

S ID. / ABASE	FACILITY ADDRESS COMMENTS	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID
39005000184 LRST	Abandoned Ust 31 E Main St Westerville, OH 43081-1501 County: Franklin	1.93 Mi	SOUTHWEST	32
39010006213 RST	City Of Westerville 31 E Main St Westerville, OH 43081-1501 County: Franklin	1.93 Mi	SOUTHWEST	32
39005016734 LRST	Vern Bailey Auto Sales 31 E Main St Westerville, OH 43081-1501 County: Franklin	1.93 Mi	SOUTHWEST	32
39010006177 RST	Vern Baily Auto Sales 31 E Main St Westerville, OH 43081-1501 County: Franklin	1.93 Mi	SOUTHWEST	32
39005000185 LRST	Abandoned Ust N State & Home Rd Westerville, OH 43081 County: Franklin	1.97 Mi	SOUTHWEST	33
39010006382 RST	Joe's Service Station 80 N State St Westerville, OH 43081-2116 County: Franklin	1.97 Mi	SOUTHWEST	35
008702	Joes Service Station 80 N State St Westerville, OH 43081-2116 County: Franklin	1.97 Mi	SOUTHWEST	35
39021050366 SPILLS	Sun Refining & Marketing Co 84 N State St Westerville, OH 43081-2116 County: Franklin	1.97 Mi	SOUTHWEST	34
39005017298 LRST	Whittier Elementary School 130 E Walnut St Westerville, OH 43081-2310 County: Franklin	1.98 Mi	SOUTHWEST	36
39010006582 RST	Transportation Dept 125 E Walnut St Westerville, OH 43081-2309 County: Franklin	1.99 Mi	SOUTHWEST	37
39005017221 LRST	Westerville Schools Bus Garage 125 E Walnut St Westerville, OH 43081-2309 County: Franklin	1.99 Mi	SOUTHWEST	37

ERIIS Report #158943A

Apr 11, 1997

ERIIS ID / EPA ID	FACILITY	ADDRESS	MAP ID
39007000929 OHD075035949	National Engine Rebuilders Inc DISTANCE FROM SITE: 1.14 Miles DIRECTION FROM SITE: Northwest	6225 Frost Dr Westerville, OH 43082-9027 County: Delaware	7

Facility Is Not Reported In Raats

HAZARDOUS WASTES:

1.	WASTE CODE:	D000	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		
2.	WASTE CODE:	D001	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		

39007000881 OHD069067932	Anomatic Corp DISTANCE FROM SITE: 1.64 Miles DIRECTION FROM SITE: Southwest	175 E Broadway St Westerville, OH 43081-1656 County: Franklin	21

Facility Is Not Reported In Raats

FACILITY VIOLATIONS:

1.	DATE DETERMINED:	02/13/89	DATE RESOLVED:	09/08/89
	AREA OF VIOLATION:	Generator-land Ban Requirements		
2.	DATE DETERMINED:	02/13/89	DATE RESOLVED:	05/22/89
	AREA OF VIOLATION:	Generator-all Requirements		

:LITY EVALUATIONS:

1.	EVALUATION DATE:	02/13/89	EVALUATION AGENCY:	State
	TYPE OF EVALUATION:	Compliance Evaluation Inspection		
	AREA(S) OF EVALUATION:	Generator-all Requirements		
2.	EVALUATION DATE:	02/13/89	EVALUATION AGENCY:	State
	TYPE OF EVALUATION:	Other Evaluation		
	AREA(S) OF EVALUATION:	Generator-land Ban Requirements		

FACILITY ENFORCEMENTS:

1.	ENFORCEMENT DATE:	03/06/1989	ENFORCEMENT AGENCY:	State
	TYPE OF ACTION:	Written, Informal Administrative Action		
	PENALTY(S):			
2.	ENFORCEMENT DATE:	08/11/1989	ENFORCEMENT AGENCY:	Epa
	TYPE OF ACTION:	Written, Informal Administrative Action		
	PENALTY(S):			

HAZARDOUS WASTES:

1.	WASTE CODE:	D000	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		
2.	WASTE CODE:	F001	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		
3.	WASTE CODE:	U226	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		
4.	WASTE CODE:	U239	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		

ERIIS Report #158943A Apr 11, 1997

ERIIS ID / EPA ID	FACILITY	ADDRESS	MAP ID
39008010078 OH0000059584	Swan Cleaners Store No 5 DISTANCE FROM SITE: .762 Miles DIRECTION FROM SITE: Southwest	1194 County Line Rd Westerville, OH 43081-6015 County: Delaware	4

Facility Is Not Reported In Raats

HAZARDOUS WASTES:

1.	WASTE CODE:	D000	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		
2.	WASTE CODE:	D001	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		
3.	WASTE CODE:	D039	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		
4.	WASTE CODE:	F002	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		

39008008496 OHD987042108	Guttman Oil Westerville Plant DISTANCE FROM SITE: 1.17 Miles DIRECTION FROM SITE: Northwest	6190 Frost Dr Westerville, OH 43082-9027 County: Delaware	8

Facility Is Not Reported In Raats

HAZARDOUS WASTES:

1.	WASTE CODE:	D001	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		
2.	WASTE CODE:	U019	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		
3.	WASTE CODE:	U220	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		

39008002120 OHD054025382	Blair John Co DISTANCE FROM SITE: 1.41 Miles DIRECTION FROM SITE: Southwest	140 N Otterbein Ave Westerville, OH 43081-1746 County: Franklin	11

Facility Is Not Reported In Raats

HAZARDOUS WASTES:

1.	WASTE CODE:	D001	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		
2.	WASTE CODE:	F003	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		
3.	WASTE CODE:	F005	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		

39008004199 OHD981528516	A Bee C Service Inc DISTANCE FROM SITE: 1.48 Miles DIRECTION FROM SITE: Southwest	288 E Broadway St Westerville, OH 43081-1657 County: Franklin	13

Facility Is Not Reported In Raats

HAZARDOUS WASTES:

1.	WASTE CODE:	D001	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		

ERIIS ID / EPA ID	FACILITY	ADDRESS	MAP ID
39008003086 OHD089420244	Robin Enterprises DISTANCE FROM SITE: 1.52 Miles DIRECTION FROM SITE: Southwest	111 N Otterbein Ave Westerville, OH 43081-5703 County: Franklin	15

Facility Is Not Reported In Raats

HAZARDOUS WASTES:

1.	WASTE CODE:	D001	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		
2.	WASTE CODE:	D008	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		
3.	WASTE CODE:	D039	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		
4.	WASTE CODE:	F003	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		
5.	WASTE CODE:	F005	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		
6.	WASTE CODE:	F001	AMOUNT OF WASTE:	.00400
	SOURCE OF INFO:	Part A		
7.	WASTE CODE:	P098	AMOUNT OF WASTE:	.01300
	SOURCE OF INFO:	Part A		

39008008887 OHD987051372	Hance Corp The DISTANCE FROM SITE: 1.57 Miles DIRECTION FROM SITE: Southwest	235 E Broadway St Westerville, OH 43081-1656 County: Franklin	17

Facility Is Not Reported In Raats

HAZARDOUS WASTES:

1.	WASTE CODE:	D001	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		
2.	WASTE CODE:	D007	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		
3.	WASTE CODE:	D008	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		
4.	WASTE CODE:	D035	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		
5.	WASTE CODE:	F003	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		
6.	WASTE CODE:	F005	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		

39008004974 OHD982210767	Painting Lady DISTANCE FROM SITE: 1.66 Miles DIRECTION FROM SITE: Southwest	313 E Park St Westerville, OH 43081-1749 County: Franklin	22

Facility Is Not Reported In Raats

HAZARDOUS WASTES:

1.	WASTE CODE:	D001	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		
2.	WASTE CODE:	F003	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		
3.	WASTE CODE:	F005	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		

39008005648 OHD982641797	Glassburn Body Shop DISTANCE FROM SITE: 1.74 Miles DIRECTION FROM SITE: Southwest	64 Israel St Westerville, OH 43081-1618 County: Franklin	26

Facility Is Not Reported In Raats

ERIIS Report #158943A

Apr 11, 1997

ERIIS ID / EPA ID	FACILITY	ADDRESS	MAP ID

HAZARDOUS WASTES:

1.	WASTE CODE:	D000	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		
2.	WASTE CODE:	D001	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		
3.	WASTE CODE:	F003	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		
4.	WASTE CODE:	F005	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		

ERIIS Report #158943A

Apr 11, 1997

S ID	FACILITY	ADDRESS	MAP ID
39005006841	Fruehauf Corp DISTANCE FROM SITE: .437 Miles DIRECTION FROM SITE: Northeast	111 E Maxtown Rd Westerville, OH 43081 COUNTY: Delaware	2
INCIDENT NO: 250256300	STATUS: No Further Action LUST TRUST FUND (LTF) ELIGIBILITY: Closure Of An Underground Storage Tank.		
39005007693	Guttman Oil Co DISTANCE FROM SITE: 1.17 Miles DIRECTION FROM SITE: Northwest	6190 Frost Dr Westerville, OH 43082-9027 COUNTY: Delaware	8
INCIDENT NO: 255006900	STATUS: No Further Action LUST TRUST FUND (LTF) ELIGIBILITY: Closure Of An Underground Storage Tank.		
39005017248	Wetzler Concrete Inc DISTANCE FROM SITE: 1.47 Miles DIRECTION FROM SITE: Southwest	266 Broad St Westerville, OH 43081-1604 COUNTY: Franklin	12
INCIDENT NO: 252260200	STATUS: Reported LUST TRUST FUND (LTF) ELIGIBILITY: Closure Of An Underground Storage Tank.		
39005013134	Robin Enterprises DISTANCE FROM SITE: 1.49 Miles DIRECTION FROM SITE: Southwest	281 E Broadway St Westerville, OH 43081-1646 COUNTY: Franklin	14
INCIDENT NO: 252192200	STATUS: No Further Action LUST TRUST FUND (LTF) ELIGIBILITY: Closure Of An Underground Storage Tank.		
39005016055	United Mcgill DISTANCE FROM SITE: 1.61 Miles DIRECTION FROM SITE: Southwest	200 E Broadway St Westerville, OH 43081-1657 COUNTY: Franklin	19
INCIDENT NO: 250141900	STATUS: No Further Action LUST TRUST FUND (LTF) ELIGIBILITY: Eligible For Ltf Oversight And/or Spending - Suspected Or Confirmed For Release Of Petroleum From A Regulated Ust.		
39005002917	Cellar Lumber Co DISTANCE FROM SITE: 1.80 Miles DIRECTION FROM SITE: Southwest	137 E College Ave Westerville, OH 43081-1647 COUNTY: Franklin	28
INCIDENT NO: 250074800	STATUS: No Further Action LUST TRUST FUND (LTF) ELIGIBILITY: Closure Of An Underground Storage Tank.		
39005016204	Unknown DISTANCE FROM SITE: 1.80 Miles DIRECTION FROM SITE: Southwest	130 E College Ave Westerville, OH 43081-1614 COUNTY: Franklin	29
INCIDENT NO: 25807700	STATUS: Reported LUST TRUST FUND (LTF) ELIGIBILITY: Eligible For Ltf Oversight And/or Spending - Suspected Or Confirmed For Release Of Petroleum From A Regulated Ust.		
39005003012	Certified DISTANCE FROM SITE: 1.82 Miles DIRECTION FROM SITE: Southeast	7851 Sunbury Rd Westerville, OH 43081-2536 COUNTY: Franklin	30
INCIDENT NO: 253144500	STATUS: Reported LUST TRUST FUND (LTF) ELIGIBILITY: Closure Of An Underground Storage Tank.		
39005008209	Hoover Dam Maint Bldg DISTANCE FROM SITE: 1.82 Miles DIRECTION FROM SITE: Southeast	E Walnut St At Sunbury Rd Westerville, OH 43081 COUNTY: Franklin	30
INCIDENT NO: 25916000	STATUS: No Further Action LUST TRUST FUND (LTF) ELIGIBILITY: Eligible For Ltf Oversight And/or Spending - Suspected Or Confirmed For Release Of Petroleum From A Regulated Ust.		

S ID	FACILITY	ADDRESS	MAP ID
39005006102	Former Dealership DISTANCE FROM SITE: 1.89 Miles DIRECTION FROM SITE: Southwest	80 E Home St Westerville, OH 43081-1533 COUNTY: Franklin	31

INCIDENT NO: 256102200 STATUS: Reported
LUST TRUST FUND (LTF) ELIGIBILITY: Closure Of An Underground Storage Tank.

39005000184	Abandoned Ust DISTANCE FROM SITE: 1.93 Miles DIRECTION FROM SITE: Southwest	31 E Main St Westerville, OH 43081-1501 COUNTY: Franklin	32

INCIDENT NO: 254070201 STATUS: No Further Action
LUST TRUST FUND (LTF) ELIGIBILITY: Eligible For Ltf Oversight And/or Spending - Suspected Or Confirmed For Release Of Petroleum From A Regulated Ust.

39005016734	Vern Bailey Auto Sales DISTANCE FROM SITE: 1.93 Miles DIRECTION FROM SITE: Southwest	31 E Main St Westerville, OH 43081-1501 COUNTY: Franklin	32

INCIDENT NO: 254070202 STATUS: No Further Action
LUST TRUST FUND (LTF) ELIGIBILITY: Closure Of An Underground Storage Tank.

39005000185	Abandoned Ust DISTANCE FROM SITE: 1.97 Miles DIRECTION FROM SITE: Southwest	N State & Home Rd Westerville, OH 43081 COUNTY: Franklin	33

CIDENT NO: 256099000 STATUS: Reported
LUST TRUST FUND (LTF) ELIGIBILITY: Eligible For Ltf Oversight And/or Spending - Suspected Or Confirmed For Release Of Petroleum From A Regulated Ust.

39005008702	Joes Service Station DISTANCE FROM SITE: 1.97 Miles DIRECTION FROM SITE: Southwest	80 N State St Westerville, OH 43081-2116 COUNTY: Franklin	35

INCIDENT NO: 256029400 STATUS: Site Assessment Completed
LUST TRUST FUND (LTF) ELIGIBILITY: Eligible For Ltf Oversight And/or Spending - Suspected Or Confirmed For Release Of Petroleum From A Regulated Ust.

39005017298	Whittier Elementary School DISTANCE FROM SITE: 1.98 Miles DIRECTION FROM SITE: Southwest	130 E Walnut St Westerville, OH 43081-2310 COUNTY: Franklin	36

INCIDENT NO: 252031100 STATUS: Reported
LUST TRUST FUND (LTF) ELIGIBILITY: Suspected Or Confirmed For Release Of Petroleum From An Ust Not Regulated By Rcra Subtitle I.

39005017221	Westerville Schools Bus Garage DISTANCE FROM SITE: 1.99 Miles DIRECTION FROM SITE: Southwest	125 E Walnut St Westerville, OH 43081-2309 COUNTY: Franklin	37

INCIDENT NO: 250073100 STATUS: No Further Action
LUST TRUST FUND (LTF) ELIGIBILITY: Eligible For Ltf Oversight And/or Spending - Suspected Or Confirmed For Release Of Petroleum From A Regulated Ust.

ERIIS Report #158943A

Apr 11, 1997

; ID FACILITY ID	FACILITY	ADDRESS	MAP ID
39010006581 0-258137	Building & Grounds Services DISTANCE FROM SITE: .857 Miles DIRECTION FROM SITE: Southwest	816 County Line Rd Westerville, OH 43081-1003 COUNTY: Delaware	5

OWNER: Westerville Board Education
336 S Otterbein Ave
Westerville, OH 43081

MANAGER: Jeff Wright

TANK ID	STATUS	SUBSTANCE	CAPACITY	AGE	CONSTRUCTION
1	Currently In Use	Diesel	550	10	Bare Steel
2	Currently In Use	Gasoline	550	10	Bare Steel

39010005352 0-250087	Guttman Oil Co. DISTANCE FROM SITE: 1.17 Miles DIRECTION FROM SITE: Northwest	6190 Frost Dr Westerville, OH 43082-9027 COUNTY: Delaware	8

OWNER: Guttman Oil Co.
200 Speers Rd
Belle Vernon, PA 15012

MANAGER: John H. Weeter
(412) 483-3533

TANK ID	STATUS	SUBSTANCE	CAPACITY	AGE	CONSTRUCTION
1	Removed	Kerosene	8,000	25	Bare Steel
2	Removed	Gasoline	10,000	24	Bare Steel
3	Removed	Gasoline	10,000	24	Bare Steel
4	Removed	Diesel	8,000	24	Bare Steel
5	Removed	Gasoline	8,000	24	Bare Steel
6	Removed	Diesel	8,000	25	Bare Steel

)04815 0-..2597	United Dairy Farmers #660 DISTANCE FROM SITE: 1.24 Miles DIRECTION FROM SITE: Northwest	7085 State Route 3 Westerville, OH 43082-8894 COUNTY: Delaware	9

OWNER: United Dairy Farmers
3955 Montgomery Rd
Cincinnati, OH 45212

MANAGER: David A. Adams

TANK ID	STATUS	SUBSTANCE	CAPACITY	AGE	CONSTRUCTION
1	Currently In Use	Gasoline	12,000	6	Fiberglass
2	Currently In Use	Gasoline	10,000	6	Fiberglass
3	Currently In Use	Kerosene	4,000	6	Fiberglass

39010005686 0-250710	Wetzler Concrete, Inc. DISTANCE FROM SITE: 1.47 Miles DIRECTION FROM SITE: Southwest	266 Broad St Westerville, OH 43081-1604 COUNTY: Franklin	12

OWNER: Wetzler Concrete, Inc.
266 E Broad St
Westerville, OH 43081

MANAGER: Not Reported

TANK ID	STATUS	SUBSTANCE	CAPACITY	AGE	CONSTRUCTION
1	Removed	Gasoline	1,000	8	Cath. Steel
2	Removed	Gasoline	1,000	8	Cath. Steel
3	Removed	Gasoline	550	9	Cath. Steel
4	Removed	Diesel	550	9	Cath. Steel
5	Removed	Used Oil	200	22	Bare Steel

39010006505 0-256726	Robin Enterprises Co., Inc. DISTANCE FROM SITE: 1.49 Miles DIRECTION FROM SITE: Southwest	281 E Broadway St Westerville, OH 43081-1646 COUNTY: Franklin	14

OWNER: Robin Enterprises Co., Inc.
111 N Otterbein
Westerville, OH 43081

MANAGER: Robin Hance

TANK ID	STATUS	SUBSTANCE	CAPACITY	AGE	CONSTRUCTION
1	Removed	Gasoline	600	Unk	Bare Steel

ERIIS Report #158943A

Apr 11, 1997

S ID / ILITY ID	FACILITY	ADDRESS	MAP ID
39010006636 0-259564	Robin Enterprises Co., Inc. DISTANCE FROM SITE: 1.52 Miles DIRECTION FROM SITE: Southwest	111 N Otterbein Ave Westerville, OH 43081-5703 COUNTY: Franklin	15

OWNER: Robin Enterprises Co., Inc.
111 N Otterbein
Westerville, OH 43081

MANAGER: Robin Hance

TANK ID	STATUS	SUBSTANCE	CAPACITY	AGE	CONSTRUCTION
1	Removed	Heating Oil	2,000	Unk	Bare Steel

S ID / ILITY ID	FACILITY	ADDRESS	MAP ID
39010005718 0-250765	Certified Oil Co. #324 DISTANCE FROM SITE: 1.82 Miles DIRECTION FROM SITE: Southeast	7851 Sunbury Rd Westerville, OH 43081-2536 COUNTY: Franklin	30

OWNER: Certified Oil Co.
949 King Ave
Columbus, OH 43212

MANAGER: Dan Boyd

TANK ID	STATUS	SUBSTANCE	CAPACITY	AGE	CONSTRUCTION
1	Currently In Use	Gasohol	8,000	22	Bare Steel
2	Currently In Use	Gasohol	8,000	22	Bare Steel
3	Currently In Use	Kerosene	6,000	11	Bare Steel

S ID / ILITY ID	FACILITY	ADDRESS	MAP ID
39010006177 0-252301	Vern Baily Auto Sales DISTANCE FROM SITE: 1.93 Miles DIRECTION FROM SITE: Southwest	31 E Main St Westerville, OH 43081-1501 COUNTY: Franklin	32

OWNER: Eugene Wilkin
332 S Knox
Westerville, OH 43081

MANAGER: Not Reported

TANK ID	STATUS	SUBSTANCE	CAPACITY	AGE	CONSTRUCTION
1	Removed	Unk	1,000	Unk	Bare Steel
2	Removed	Unk	1,000	Unk	Bare Steel

S ID / ILITY ID	FACILITY	ADDRESS	MAP ID
39010006213 0-252420	City Of Westerville DISTANCE FROM SITE: 1.93 Miles DIRECTION FROM SITE: Southwest	31 E Main St Westerville, OH 43081-1501 COUNTY: Franklin	32

OWNER: City Of Westerville
21 S State St
Westerville, OH 43081

MANAGER: Not Reported

TANK ID	STATUS	SUBSTANCE	CAPACITY	AGE	CONSTRUCTION
1	Removed	Gasoline	550	Unk	Unknown

S ID / ILITY ID	FACILITY	ADDRESS	MAP ID
39010006382 0-253742	Joe's Service Station DISTANCE FROM SITE: 1.97 Miles DIRECTION FROM SITE: Southwest	80 N State St Westerville, OH 43081-2116 COUNTY: Franklin	35

OWNER: Joe's Service Station
80 N State St
Westerville, OH 43081

MANAGER: Dave Grandominico

TANK ID	STATUS	SUBSTANCE	CAPACITY	AGE	CONSTRUCTION
1	Removed	Gasoline	6,000	15	Fiberglass
2	Removed	Gasoline	6,000	15	Fiberglass
3	Removed	Gasoline	6,000	12	Cath. Steel

ERIIS Report #158943A

Apr 11, 1997

ID / LITY ID	FACILITY	ADDRESS	MAP ID
39010006582 0-258138	Transportation Dept DISTANCE FROM SITE: 1.99 Miles DIRECTION FROM SITE: Southwest	125 E Walnut St Westerville, OH 43081-2309 COUNTY: Franklin	37

OWNER: Westerville Board Education
336 S Otterbein Ave
Westerville, OH 43081

MANAGER: Jeff Wright

TANK ID	STATUS	SUBSTANCE	CAPACITY	AGE	CONSTRUCTION
1	Currently In Use	Diesel	10,000	6	Fiberglass
2	Currently In Use	Gasoline	4,000	16	Fiberglass
3	Currently In Use	Used Oil	1,000	6	Fiberglass

ERIIS ENVIRONMENTAL DATA REPORT
OHIO MASTER SITES LIST
HWS - PLOTTABLE SITES - PAGE 1

ERIIS Report #158943A Apr 11, 1997

S ID / EPA ID. / OH EPA ID.	FACILITY	ADDRESS	MAP ID
39050000055 NOT ASSIGNED 121-1187	Kilgore Manufacturing DISTANCE FROM SITE: .077 Miles DIRECTION FROM SITE: Southeast	North Spring Rd Westerville, OH 43081 COUNTY: Franklin	1

DELISTED(Y/N): No

PRIORITY: NO PRIORITY

OC 010662

ERIIS Report #158943A

Apr 11, 1997

S ID
EPA ID
FACILITY ID | FACILITY | ADDRESS | MAP ID

39009000076 | Anomatic Corp. | 175 E Broadway St | 21
OHD069067932 | DISTANCE FROM SITE: 1.64 Miles | Westerville, OH 43081-1656
43081NMTCC175EA | DIRECTION FROM SITE: Southwest | COUNTY: Franklin

SIC CODE: 3471 CONTACT: William B. Rusch (614) 522-2203

YEAR: 1990 CHEMICAL: Freon 113
RELEASES (LBS.): FUGITIVE AIR: 41557.0000 STACK AIR: 0.0000 WATER: 0.0000
INJECT.: 0.0000 LAND: 0.0000 TOTAL: 41557.0000
TRANSFERS (LBS.): POTW: 0.0000 OFF-SITE: 2220.0000 TOTAL: 2220.0000

YEAR: 1990 CHEMICAL: Sulfuric Acid
RELEASES (LBS.): FUGITIVE AIR: 0.0000 STACK AIR: 3896.0000 WATER: 0.0000
INJECT.: 0.0000 LAND: 0.0000 TOTAL: 3896.0000
TRANSFERS (LBS.): POTW: 0.0000 OFF-SITE: 0.0000 TOTAL: 0.0000

YEAR: 1990 CHEMICAL: Hydrochloric Acid
RELEASES (LBS.): FUGITIVE AIR: 0.0000 STACK AIR: 0.0000 WATER: 0.0000
INJECT.: 0.0000 LAND: 0.0000 TOTAL: 0.0000
TRANSFERS (LBS.): POTW: 0.0000 OFF-SITE: 0.0000 TOTAL: 0.0000

YEAR: 1990 CHEMICAL: Nitric Acid
RELEASES (LBS.): FUGITIVE AIR: 0.0000 STACK AIR: 90213.0000 WATER: 0.0000
INJECT.: 0.0000 LAND: 0.0000 TOTAL: 90213.0000
TRANSFERS (LBS.): POTW: 0.0000 OFF-SITE: 0.0000 TOTAL: 0.0000

YEAR: 1990 CHEMICAL: Nickel Compounds
RELEASES (LBS.): FUGITIVE AIR: 0.0000 STACK AIR: 0.0000 WATER: 0.0000
INJECT.: 0.0000 LAND: 0.0000 TOTAL: 0.0000
TRANSFERS (LBS.): POTW: 530.0000 OFF-SITE: 8509.0000 TOTAL: 9039.0000

YEAR: 1990 CHEMICAL: Phosphoric Acid
RELEASES (LBS.): FUGITIVE AIR: 0.0000 STACK AIR: 326.0000 WATER: 0.0000
INJECT.: 0.0000 LAND: 0.0000 TOTAL: 326.0000
TRANSFERS (LBS.): POTW: 0.0000 OFF-SITE: 0.0000 TOTAL: 0.0000

YEAR: 1989 CHEMICAL: Phosphoric Acid
RELEASES (LBS.): FUGITIVE AIR: 0.0000 STACK AIR: 404.0000 WATER: 0.0000
INJECT.: 0.0000 LAND: 0.0000 TOTAL: 404.0000
TRANSFERS (LBS.): POTW: 0.0000 OFF-SITE: 0.0000 TOTAL: 0.0000

YEAR: 1989 CHEMICAL: Freon 113
RELEASES (LBS.): FUGITIVE AIR: 47810.0000 STACK AIR: 0.0000 WATER: 0.0000
INJECT.: 0.0000 LAND: 0.0000 TOTAL: 47810.0000
TRANSFERS (LBS.): POTW: 0.0000 OFF-SITE: 1870.0000 TOTAL: 1870.0000

YEAR: 1989 CHEMICAL: Hydrochloric Acid
RELEASES (LBS.): FUGITIVE AIR: 0.0000 STACK AIR: 0.0000 WATER: 0.0000
INJECT.: 0.0000 LAND: 0.0000 TOTAL: 0.0000
TRANSFERS (LBS.): POTW: 0.0000 OFF-SITE: 0.0000 TOTAL: 0.0000

YEAR: 1989 CHEMICAL: Nickel Compounds
RELEASES (LBS.): FUGITIVE AIR: 0.0000 STACK AIR: 0.0000 WATER: 0.0000
INJECT.: 0.0000 LAND: 0.0000 TOTAL: 0.0000
TRANSFERS (LBS.): POTW: 629.0000 OFF-SITE: 9965.0000 TOTAL: 10594.0000

YEAR: 1989 CHEMICAL: Nitric Acid
RELEASES (LBS.): FUGITIVE AIR: 0.0000 STACK AIR: 1418.0000 WATER: 0.0000
INJECT.: 0.0000 LAND: 0.0000 TOTAL: 1418.0000
TRANSFERS (LBS.): POTW: 0.0000 OFF-SITE: 0.0000 TOTAL: 0.0000

YEAR: 1989 CHEMICAL: Sulfuric Acid
RELEASES (LBS.): FUGITIVE AIR: 0.0000 STACK AIR: 241.0000 WATER: 0.0000
INJECT.: 0.0000 LAND: 0.0000 TOTAL: 241.0000
TRANSFERS (LBS.): POTW: 0.0000 OFF-SITE: 0.0000 TOTAL: 0.0000

YEAR: 1988 CHEMICAL: 1,1,1-trichloroethane
RELEASES (LBS.): FUGITIVE AIR: 24406.0000 STACK AIR: 0.0000 WATER: 0.0000
INJECT.: 0.0000 LAND: 0.0000 TOTAL: 24406.0000
TRANSFERS (LBS.): POTW: 0.0000 OFF-SITE: 0.0000 TOTAL: 0.0000

OC 010663

IS ID
A ID
FACILITY ID FACILITY ADDRESS MAP ID

YEAR: 1988 CHEMICAL: Sulfuric Acid
RELEASES (LBS.): FUGITIVE AIR: 0.0000 STACK AIR: 592.0000 WATER: 0.0000
INJECT.: 0.0000 LAND: 0.0000 TOTAL: 592.0000
TRANSFERS (LBS.): POTW: 0.0000 OFF-SITE: 0.0000 TOTAL: 0.0000

YEAR: 1988 CHEMICAL: Sodium Hydroxide (solution)
RELEASES (LBS.): FUGITIVE AIR: 0.0000 STACK AIR: 0.0000 WATER: 0.0000
INJECT.: 0.0000 LAND: 0.0000 TOTAL: 0.0000
TRANSFERS (LBS.): POTW: 0.0000 OFF-SITE: 0.0000 TOTAL: 0.0000

YEAR: 1988 CHEMICAL: Nitric Acid
RELEASES (LBS.): FUGITIVE AIR: 0.0000 STACK AIR: 19131.0000 WATER: 0.0000
INJECT.: 0.0000 LAND: 0.0000 TOTAL: 19131.0000
TRANSFERS (LBS.): POTW: 0.0000 OFF-SITE: 0.0000 TOTAL: 0.0000

YEAR: 1988 CHEMICAL: Nickel Compounds
RELEASES (LBS.): FUGITIVE AIR: 0.0000 STACK AIR: 0.0000 WATER: 0.0000
INJECT.: 0.0000 LAND: 0.0000 TOTAL: 0.0000
TRANSFERS (LBS.): POTW: 1031.0000 OFF-SITE: 4936.0000 TOTAL: 5967.0000

YEAR: 1988 CHEMICAL: Phosphoric Acid
RELEASES (LBS.): FUGITIVE AIR: 0.0000 STACK AIR: 642.0000 WATER: 0.0000
INJECT.: 0.0000 LAND: 0.0000 TOTAL: 642.0000
TRANSFERS (LBS.): POTW: 0.0000 OFF-SITE: 0.0000 TOTAL: 0.0000

YEAR: 1988 CHEMICAL: Hydrochloric Acid
RELEASES (LBS.): FUGITIVE AIR: 0.0000 STACK AIR: 0.0000 WATER: 0.0000
INJECT.: 0.0000 LAND: 0.0000 TOTAL: 0.0000
TRANSFERS (LBS.): POTW: 0.0000 OFF-SITE: 0.0000 TOTAL: 0.0000

AR: 1988 CHEMICAL: Freon 113
RELEASES (LBS.): FUGITIVE AIR: 35084.0000 STACK AIR: 0.0000 WATER: 0.0000
INJECT.: 0.0000 LAND: 0.0000 TOTAL: 35084.0000
TRANSFERS (LBS.): POTW: 0.0000 OFF-SITE: 1485.0000 TOTAL: 1485.0000

YEAR: 1988 CHEMICAL: Aluminum Oxide
RELEASES (LBS.): FUGITIVE AIR: 0.0000 STACK AIR: 0.0000 WATER: 0.0000
INJECT.: 0.0000 LAND: 0.0000 TOTAL: 0.0000
TRANSFERS (LBS.): POTW: 0.0000 OFF-SITE: 0.0000 TOTAL: 0.0000

YEAR: 1987 CHEMICAL: Sodium Hydroxide (solution)
RELEASES (LBS.): FUGITIVE AIR: 0.0000 STACK AIR: 0.0000 WATER: 0.0000
INJECT.: 0.0000 LAND: 0.0000 TOTAL: 0.0000
TRANSFERS (LBS.): POTW: 0.0000 OFF-SITE: 0.0000 TOTAL: 0.0000

YEAR: 1987 CHEMICAL: Phosphoric Acid
RELEASES (LBS.): FUGITIVE AIR: 0.0000 STACK AIR: 0.0000 WATER: 0.0000
INJECT.: 0.0000 LAND: 0.0000 TOTAL: 0.0000
TRANSFERS (LBS.): POTW: 0.0000 OFF-SITE: 0.0000 TOTAL: 0.0000

YEAR: 1987 CHEMICAL: Sodium Sulfate (solution)
RELEASES (LBS.): FUGITIVE AIR: 0.0000 STACK AIR: 0.0000 WATER: 0.0000
INJECT.: 0.0000 LAND: 0.0000 TOTAL: 0.0000
TRANSFERS (LBS.): POTW: 568868.000 OFF-SITE: 0.0000 TOTAL: 568868.0000

YEAR: 1987 CHEMICAL: 1,1,1-trichloroethane
RELEASES (LBS.): FUGITIVE AIR: 24552.0000 STACK AIR: 0.0000 WATER: 0.0000
INJECT.: 0.0000 LAND: 0.0000 TOTAL: 24552.0000
TRANSFERS (LBS.): POTW: 0.0000 OFF-SITE: 0.0000 TOTAL: 0.0000

YEAR: 1987 CHEMICAL: Hydrochloric Acid
RELEASES (LBS.): FUGITIVE AIR: 0.0000 STACK AIR: 0.0000 WATER: 0.0000
INJECT.: 0.0000 LAND: 0.0000 TOTAL: 0.0000
TRANSFERS (LBS.): POTW: 0.0000 OFF-SITE: 0.0000 TOTAL: 0.0000

R: 1987 CHEMICAL: Nitric Acid
RELEASES (LBS.): FUGITIVE AIR: 122400.000 STACK AIR: 0.0000 WATER: 0.0000
INJECT.: 0.0000 LAND: 0.0000 TOTAL: 122400.0000
TRANSFERS (LBS.): POTW: 0.0000 OFF-SITE: 0.0000 TOTAL: 0.0000

ERIIS Report #158943A

Apr 11, 1997

S ID
ID
FACILITY ID FACILITY ADDRESS MAP ID

YEAR: 1987 CHEMICAL: Sulfuric Acid

RELEASES (LBS.):	FUGITIVE AIR:	0.0000	STACK AIR:	0.0000	WATER:	0.0000	
	INJECT.:	0.0000	LAND:	0.0000	TOTAL:		0.0000
TRANSFERS (LBS.):	POTW:	0.0000	OFF-SITE:	0.0000	TOTAL:		0.0000

OC 010665

ERIIS Report #158943A

Apr 11, 1997

_S ID	FACILITY ADDRESS	COUNTY	MAP ID
39021049051	Purdie Metal 263 Maxtown Rd Westerville, OH 43082-8757 DISTANCE FROM SITE: .495 Miles DIRECTION FROM SITE: Northeast	COUNTY: Delaware	3

SPILL DATE:	01/19/95	PRIORITY:	No Emergency Response Unit
SPILL SIZE:	Unknown	SUBSTANCE:	Diesel
AREA AFFECTED:	Air		
SPILL DATE:	01/19/95	PRIORITY:	No Emergency Response Unit
SPILL SIZE:	Unknown	SUBSTANCE:	Mineral Spirits
AREA AFFECTED:	Air		
SPILL DATE:	01/19/95	PRIORITY:	No Emergency Response Unit
SPILL SIZE:	Unknown	SUBSTANCE:	Mineral Spirits
AREA AFFECTED:	Air		
SPILL DATE:	01/19/95	PRIORITY:	No Emergency Response Unit
SPILL SIZE:	Unknown	SUBSTANCE:	Hydraulic Fluid
AREA AFFECTED:	Air		

39021047379	Mr Charles Cline 691 Lakeland Dr Westerville, OH 43081-1849 DISTANCE FROM SITE: .880 Miles DIRECTION FROM SITE: Southwest	COUNTY: Franklin	6

SPILL DATE:	090592	PRIORITY:	No Emergency Response Unit
SPILL SIZE:	Small	SUBSTANCE:	Oil
AREA AFFECTED:	Land Or Land Surface Impact		

-- J45675	Gutman Oil Co 6190 Frost Dr Westerville, OH 43082-9027 DISTANCE FROM SITE: 1.17 Miles DIRECTION FROM SITE: Northwest	COUNTY: Delaware	8

SPILL DATE:	10/21/94	PRIORITY:	Whenever Possible Convenient
SPILL SIZE:	Small	SUBSTANCE:	Diesel Fuel Additive
AREA AFFECTED:	Land Or Land Surface Impact		
SPILL DATE:	10/21/94	PRIORITY:	Whenever Possible Convenient
SPILL SIZE:	Small	SUBSTANCE:	Transmission Oil
AREA AFFECTED:	Land Or Land Surface Impact		
SPILL DATE:	10/21/94	PRIORITY:	Whenever Possible Convenient
SPILL SIZE:	Small	SUBSTANCE:	Toxic Waste
AREA AFFECTED:	Land Or Land Surface Impact		

39021041637	Absolute Electric 297 Old County Line Rd Westerville, OH 43081-1602 DISTANCE FROM SITE: 1.32 Miles DIRECTION FROM SITE: Southwest	COUNTY: Franklin	10

SPILL DATE:	120893	PRIORITY:	No Emergency Response Unit
SPILL SIZE:	Unknown	SUBSTANCE:	Smoke
AREA AFFECTED:	Air		

39021046001	Industrial Fabricators 265 E Broadway St Westerville, OH 43081-1646 DISTANCE FROM SITE: 1.52 Miles DIRECTION FROM SITE: Southwest	COUNTY: Franklin	16

SPILL DATE:	052891	PRIORITY:	Respond Asap During Normal Work Hours
SPILL SIZE:	Unknown	SUBSTANCE:	Phosphorous Waste (26%)
AREA AFFECTED:	Land Or Land Surface Impact		

ERIIS Report #158943A Apr 11, 1997

S ID	FACILITY ADDRESS	COUNTY	MAP ID
39021043395	Clark L Rhodes 1073 E Walnut St Westerville, OH 43081-2567 DISTANCE FROM SITE: 1.61 Miles DIRECTION FROM SITE: Southeast	COUNTY: Franklin	18

SPILL DATE: 05/01/94 PRIORITY: No Emergency Response Unit
SPILL SIZE: Small SUBSTANCE: Jp8 Turbine Jet Fuel
AREA AFFECTED: Land Or Land Surface Impact
SPILL DATE: 05/01/94 PRIORITY: No Emergency Response Unit
SPILL SIZE: Small SUBSTANCE: Fuel Oil
AREA AFFECTED: Land Or Land Surface Impact
SPILL DATE: 05/01/94 PRIORITY: No Emergency Response Unit
SPILL SIZE: Small SUBSTANCE: Sewage
AREA AFFECTED: Land Or Land Surface Impact

39021049568	S & T Painting Company 179 Hillcrest Dr Westerville, OH 43081-2419 DISTANCE FROM SITE: 1.62 Miles DIRECTION FROM SITE: Southwest	COUNTY: Franklin	20

SPILL DATE: 062791 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Rinse Water
AREA AFFECTED: Post-88 Surface Water

39021042513	Bill Loudermilk 295 Mary Ave Westerville, OH 43081-1731 DISTANCE FROM SITE: 1.66 Miles DIRECTION FROM SITE: Southwest	COUNTY: Franklin	23

SPILL DATE: 092190 PRIORITY: N/r
SPILL SIZE: Unknown SUBSTANCE: Pesticide
AREA AFFECTED: Groundwater Or Subsurface Affect

39021044906	Epro Inc 156 E Broadway St Westerville, OH 43081-1508 DISTANCE FROM SITE: 1.66 Miles DIRECTION FROM SITE: Southwest	COUNTY: Franklin	24

SPILL DATE: 082391 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Unknown SUBSTANCE: Diesel Fuel
AREA AFFECTED: Land Or Land Surface Impact

39021050778	Tom Magelaner 232 E Home St Westerville, OH 43081-1652 DISTANCE FROM SITE: 1.72 Miles DIRECTION FROM SITE: Southwest	COUNTY: Franklin	25

SPILL DATE: 031790 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Unknown SUBSTANCE: Motor Oil
AREA AFFECTED: Land Or Land Surface Impact

39021048612	Omega Oil Co 7010 Sunbury Rd Westerville, OH 43082-8606 DISTANCE FROM SITE: 1.74 Miles DIRECTION FROM SITE: Northeast	COUNTY: Delaware	27

SPILL DATE: 050384 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Gasoline
AREA AFFECTED: Groundwater Or Subsurface Affect

ERIIS Report #158943A Apr 11, 1997

S ID	FACILITY ADDRESS	COUNTY	MAP ID
39021043096	Certified Oil Co E Walnut St At Sunbury Rd Westerville, OH 43081 DISTANCE FROM SITE: 1.82 Miles DIRECTION FROM SITE: Southeast	COUNTY: Franklin	30

SPILL DATE: 080585 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Gasoline
AREA AFFECTED: Groundwater Or Subsurface Affect

39021050366	Sun Refining & Marketing Co 84 N State St Westerville, OH 43081-2116 DISTANCE FROM SITE: 1.97 Miles DIRECTION FROM SITE: Southwest	COUNTY: Franklin	34

SPILL DATE: 082184 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Gasoline
AREA AFFECTED: Groundwater Or Subsurface Affect

SUBJECT PROPERTY: 6177006.003
Kilgore Farm
Westerville, OH 43085

ORDERED BY: LAWH02

ERIIS DISCLAIMER

The Information contained in the ERIIS Report has been obtained from publicly available data sources and other secondary sources of information produced by entities other than ERIIS. Although reasonable care has been taken by ERIIS in compiling the information contained in the Report, ERIIS disclaims any and all liability for any errors, omissions or inaccuracies in this information. THIS REPORT DOES NOT CONSTITUTE A LEGAL OR PROFESSIONAL OPINION AND IS NOT AN ENVIRONMENTAL RISK AUDIT OR ASSESSMENT. THE DATA AND REPORTS ARE PROVIDED "AS IS". ERIIS MAKES NO REPRESENTATIONS OR WARRANTIES OF ANY KIND WHATSOEVER WITH RESPECT TO THE DATA OR THE REPORTS INCLUDING, BUT NOT LIMITED TO, THEIR CORRECTNESS, COMPLETENESS, CURRENTNESS, FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY, NOR ARE SUCH REPRESENTATIONS OR WARRANTIES TO BE IMPLIED WITH RESPECT TO THE DATA OR REPORTS FURNISHED AND ERIIS ASSUMES NO RESPONSIBILITY WITH RESPECT TO THE PURCHASER'S USE THEREOF. ERIIS SHALL HAVE NO LIABILITY, IN CONTRACT, TORT OR OTHERWISE, FOR ANY INACCURACY OR DEFECT OR OMISSION IN PROCURING, COMPILING, COLLECTING, INTERPRETING, REPORTING, COMMUNICATING OR DELIVERING THE REPORTS OR DATA OR ANY OTHER MATTER RELATED TO CUSTOMER'S USE OF THE SERVICE, WITHOUT LIMITING THE GENERALITY OF THE FOREGOING. NONE OF ERIIS, ITS PARTNERS, OFFICERS, EMPLOYEES OR DATA SUPPLIERS SHALL IN ANY EVENT HAVE ANY LIABILITY FOR LOST PROFITS OR FOR ANY OTHER INDIRECT, SPECIAL, INCIDENTAL, CONSEQUENTIAL, EXEMPLARY OR PUNITIVE DAMAGES. Each Report is valid only for the geographical parameters and as of the date specified on the cover page of such Report, and any alteration or deviation from the description, or any subsequent use, will require a new Report. In the case of any Data obtained from a Data Supplier, ERIIS will advise the Data Supplier of any inaccuracies reported to it, but can take no responsibility for the accuracy or completeness of the Data provided to the Purchaser under this Agreement.

ERIIS Report #158930A

Apr 11, 1997

"E: 6177006.003
Kilgore Farm
Westerville, OH 43085

Latitude: 40.143067
Longitude: -82.900140

State: OH

DATABASE	RADIUS (MI)	TARGET AREA**	PROPERTY-1/4	1/4-1/2	1/2-1	>1	TOTAL
NPL	1.00		0	0	0		0
CERCLIS	1.00		0	0	0		0
RCRIS_TS	1.00		0	0	0		0
RCRIS_LG	0.50		0	0			0
RCRIS_SG	0.25		0				0
ERNS	0.25		0				0
LRST	0.50		0	1			1
RST	0.25		0				0
SWF	1.00		0	0	0		0
HWS	1.00		1	0	0		1
NFRAP	0.50		0	0			0
OPENDUMP	NR						0
TRI	0.20		0				0
SPILLS	0.25		0				0
			1	1	0	0	2

TOPO QUAD: Galena

Radon Zone Level: 1

Zone 1 has a predicted average indoor screening level > than 4 pCi/L

A Radon Zone should not be used to determine if individual homes need to be tested for radon.
The EPA's Office of Radiation and Indoor Air (202/233-9320) recommends that all homes be tested for radon, regardless of geographic location or the zone designation in which the property is located.

A target area is defined as a .02 mile buffer around the site's latitude and longitude.
A blank radius count indicates that the database was not searched by this radius per client instructions.
NR in a radius count indicates that the database cannot be reported by this search criteria due to insufficient and/or inaccurate addresses reported by a federal/state agency.

Date of Data: 12/01/96
Release Date: 01/09/97
Date on System: 02/14/97
US Environmental Protection Agency
Office of Solid Waste and Emergency Response
703/603-8881

National Priorities List

The NPL Report is an EPA listing of the nation's worst uncontrolled or abandoned hazardous waste sites. NPL sites are targeted for possible long-term remedial action under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) of 1980. In addition, the NPL Report includes information concerning cleanup agreements between EPA and Potentially Responsible Parties (commonly called Records of Decision, or RODS), any liens filed against contaminated properties, as well as the past and current EPA budget expenditures tracked within the Superfund Consolidated Accomplishments Plan (SCAP).

CERCLIS
Date of Data: 12/01/96
Release Date: 01/09/97
Date on System: 02/07/97
US Environmental Protection Agency
Office of Solid Waste and Emergency Response
703/603-8730

Comprehensive Environmental Response, Compensation, and Liability Information System

The CERCLIS Database is a comprehensive listing of known or suspected uncontrolled or abandoned hazardous waste sites. These sites have either been investigated, or are currently under investigation by the U.S. EPA for the release, or threatened release of hazardous substances. Once a site is placed in CERCLIS, it may be subjected to several levels of review and evaluation, and ultimately placed on the National Priorities List (NPL). In addition to site events and milestone dates, the CERCLIS Report also contains financial information from the Superfund Consolidated Accomplishments Plan (SCAP).

RCRIS_TS
Date of Data: 10/01/96
Release Date: 12/16/96
Date on System: 03/14/97
US Environmental Protection Agency
Office of Solid Waste and Emergency Response
202/260-4610

Resource Conservation and Recovery Information System - Treatment, Storage, And Disposal Facilities

The RCRIS_TS Report contains information pertaining to facilities which either treat, store, or dispose of EPA regulated hazardous waste. The following information is also included in the RCRIS_TS Report:
- Information pertaining to the status of facilities tracked by the RCRA Administrative Action Tracking System (RAATS)
- Inspections & evaluations conducted by federal and state agencies
- All reported facility violations, the environmental statute(s) violated, and any proposed & actual penalties
- Information pertaining to corrective actions undertaken by the facility or EPA
- A complete listing of EPA regulated hazardous wastes which are generated or stored on-site

RCRIS_LG
Date of Data: 10/01/96
Release Date: 12/16/96
Date on System: 03/14/97
US Environmental Protection Agency
Office of Solid Waste and Emergency Response
202/260-4610

Resource Conservation and Recovery Information System - Large Quantity Generators

The RCRIS_LG Report contains information pertaining to facilities which either generate more than 1000kg of EPA regulated hazardous waste per month, or meet other applicable requirements of the Resource Conservation And Recovery Act. The following information is also included in the RCRIS_LG Report:
- Information pertaining to the status of facilities tracked by the RCRA Administrative Action Tracking System (RAATS)
- Inspections & evaluations conducted by federal and state agencies
- All reported facility violations, the environmental statute(s) violated, and any proposed & actual penalties
- Information pertaining to corrective actions undertaken by the facility or EPA
- A complete listing of EPA regulated hazardous wastes which are generated or stored on-site

Date of Data: 12/31/96
Release Date: 02/21/97
Date on System: 03/21/97
OH Environmental Protection Agency
Emergency and Remedial Response Division
614/644-2924

Ohio Master Sites List

The Ohio Master Sites List tracks sites in Ohio where hazardous waste has been found or where there are any known, suspected, or likely release of such wastes from a facility.

NFRAP

Date of Data: 12/01/96
Release Date: 01/09/97
Date on System: 01/31/97
US Environmental Protection Agency
Office of Solid Waste and Emergency Response
703/603-8881

No Further Remedial Action Planned Sites

The No Further Remedial Action Planned Report (NFRAP), also known as the CERCLIS Archive, contains information pertaining to sites which have been removed from the U.S. EPA's CERCLIS Database. NFRAP sites may be sites where, following an initial investigation, either no contamination was found, contamination was removed quickly without need for the site to be placed on the NPL, or the contamination was not serious enough to require federal Superfund action or NPL consideration.

OPENDUMP

Date of Data: 01/01/90
Release Date: 01/01/91
Date on System: 01/01/92
US Environmental Protection Agency
Office of Solid Waste and Emergency Response
202/260-4687

Open Dumps Report

The Resource Conservation and Recovery Act defines the term "Open Dump" to mean "...any facility or site where solid waste is disposed of which is not a sanitary landfill which meets the criteria promulgated under Section 4004 and which is not a facility for the disposal of hazardous waste." Thus, any facility which fails to comply with any one element of the criteria is considered to be an Open Dump.

TRI

Date of Data: 12/31/94
Release Date: 08/01/96
Date on System: 01/24/97
US Environmental Protection Agency
Office of Pollution Prevention and Toxics
202/260-1531

Toxic Release Inventory System of 1994

The TRI Report contains information concerning the industrial release and/or transfer of toxic chemicals as reportable under Title III of the Superfund Amendments And Reauthorization Act Of 1986 (SARA Title III).

SPILLS

Date of Data: 12/31/96
Release Date: 02/10/97
Date on System: 03/21/97
OH Environmental Protection Agency
Emergency Response Section
614/644-3196

Ohio Emergency Response Database (EROS)

The Ohio Emergency Response (EROS) Report contains summary information from 1978 through 1993 pertaining to all reported spills or releases to the environment that have occurred within the State of Ohio.

If a selected database does not appear on this list, it is not available for the subject property's state.

Date of Data: 12/31/96
Release Date: 02/21/97
Date on System: 03/21/97
OH Environmental Protection Agency
Emergency and Remedial Response Division
614/644-2924

Ohio Master Sites List

The Ohio Master Sites List tracks sites in Ohio where hazardous waste has been found or where there are any known, suspected, or likely release of such wastes from a facility.

NFRAP

Date of Data: 12/01/96
Release Date: 01/09/97
Date on System: 01/31/97
US Environmental Protection Agency
Office of Solid Waste and Emergency Response
703/603-8881

No Further Remedial Action Planned Sites

The No Further Remedial Action Planned Report (NFRAP), also known as the CERCLIS Archive, contains information pertaining to sites which have been removed from the U.S. EPA's CERCLIS Database. NFRAP sites may be sites where, following an initial investigation, either no contamination was found, contamination was removed quickly without need for the site to be placed on the NPL, or the contamination was not serious enough to require federal Superfund action or NPL consideration.

OPENDUMP

Date of Data: 01/01/90
Release Date: 01/01/91
Date on System: 01/01/92
US Environmental Protection Agency
Office of Solid Waste and Emergency Response
202/260-4687

Open Dumps Report

The Resource Conservation and Recovery Act defines the term "Open Dump" to mean "...any facility or site where solid waste is disposed of which is not a sanitary landfill which meets the criteria promulgated under Section 4004 and which is not a facility for the disposal of hazardous waste." Thus, any facility which fails to comply with any one element of the criteria is considered to be an Open Dump.

TRI

Date of Data: 12/31/94
Release Date: 08/01/96
Date on System: 01/24/97
US Environmental Protection Agency
Office of Pollution Prevention and Toxics
202/260-1531

Toxic Release Inventory System of 1994

The TRI Report contains information concerning the industrial release and/or transfer of toxic chemicals as reportable under Title III of the Superfund Amendments And Reauthorization Act Of 1986 (SARA Title III).

SPILLS

Date of Data: 12/31/96
Release Date: 02/10/97
Date on System: 03/21/97
OH Environmental Protection Agency
Emergency Response Section
614/644-3196

Ohio Emergency Response Database (EROS)

The Ohio Emergency Response (EROS) Report contains summary information from 1978 through 1993 pertaining to all reported spills or releases to the environment that have occurred within the State of Ohio.

If a selected database does not appear on this list, it is not available for the subject property's state.

ERIIS Report #158930A

Apr 11, 1997

IS ID. ABASE	FACILITY ADDRESS COMMENTS	DISTANCE FROM SITE	DIRECTION FROM SITE	MAP ID
	0 - 1/4 Miles			
39050000055 HWS	Kilgore Manufacturing North Spring Rd Westerville, OH 43081 County: Franklin	.077 Mi	SOUTHEAST	1
	1/4 - 1/2 Miles			
39005006841 LRST	Fruehauf Corp 111 E Maxtown Rd Westerville, OH 43081 County: Delaware	.437 Mi	NORTHEAST	2

ERIIS ENVIRONMENTAL DATA REPORT
OHIO LEAKING UNDERGROUND STORAGE TANK REPORT
LRST - PLOTTABLE SITES - PAGE 1

ERIIS Report #158930A Apr 11, 1997

S ID	FACILITY	ADDRESS	MAP ID
39005006841	Fruehauf Corp DISTANCE FROM SITE: .437 Miles DIRECTION FROM SITE: Northeast	111 E Maxtown Rd Westerville, OH 43081 COUNTY: Delaware	2

INCIDENT NO: 250256300 STATUS: No Further Action
LUST TRUST FUND (LTF) ELIGIBILITY: Closure Of An Underground Storage Tank.

ERIIS ENVIRONMENTAL DATA REPORT
OHIO MASTER SITES LIST
HWS - PLOTTABLE SITES - PAGE 1

ERIIS Report #158930A

Apr 11, 1997

S ID A ID. OH EPA ID.	FACILITY	ADDRESS	MAP ID
39050000055 NOT ASSIGNED 121-1187	Kilgore Manufacturing DISTANCE FROM SITE: .077 Miles DIRECTION FROM SITE: Southeast	North Spring Rd Westerville, OH 43081 COUNTY: Franklin	1

DELISTED(Y/N): No

PRIORITY: NO PRIORITY

OC 010676

ERIIS Report #158943A Apr 11, 1997

ERIS ID. ABASE	FACILITY ADDRESS COMMENTS	SELECTED BY
39008001746 RCRIS_SG	Ruhl Dick Ford Sales Inc Sawmill Rd Columbus, OH 43085 County: Franklin	ZIP code
39010006166 RST	Mobil Oil Corp. Linworth Rd & St Rt 161 Linworth, OH 43085 County: Franklin	ZIP code
39008005751 RCRIS_SG	Richardson Smith Inc 10350 Olentangy River Rd Worthington, OH 43085 County: Franklin	ZIP code
39008003215 RCRIS_SG	Nissan Training Ctr 150 Wilson Bridge Rd Worthington, OH 43085 County: Franklin	ZIP code
39021064488 SPILLS	Multiflow Inc 33 Hartford Ct Columbus, OH 43085-3114 County: Franklin	ZIP code
39010019426 RST	Bp Oil Co. #02742 7525 Sancus Blvd Worthington, OH 43085-4737 County: Franklin	ZIP code
9021000539 SPILLS	Anomatic Corp Westerville, OH County: Franklin	City
39021009546 SPILLS	Anomatic Corp Westerville, OH County: Franklin	City
39021028579 SPILLS	Anomatic Corp Westerville, OH County: Franklin	City
39021040167 SPILLS	Avonmatic Westerville, OH County: Franklin	City
39021023381 SPILLS	Beatrice Dairy Products Div Westerville, OH County: Franklin	City
39021012662 SPILLS	Bi-way Trailer Park Westerville, OH County: Franklin	City
39021015098 SPILLS	Bi-way Trailer Park Westerville, OH County: Franklin	City
021021820 LS	Buildmor Company Westerville, OH County: Franklin	City

ERIIS Report #158943A Apr 11, 1997

ERIS ID. BASE	FACILITY ADDRESS COMMENTS	SELECTED BY
39021003629 SPILLS	Car Wash Inc Westerville, OH County: Franklin	City
39021038523 SPILLS	Cedar Kraft Westerville, OH County: Franklin	City
39021038426 SPILLS	Central College School Westerville, OH County: Franklin	City
39021020187 SPILLS	Certified Oil Co Westerville, OH County: Franklin	City
39021020705 SPILLS	Citizen Westerville, OH County: Franklin	City
39021024368 SPILLS	Citizen Westerville, OH County: Franklin	City
[illegible]21025463 LS	Citizen Westerville, OH County: Franklin	City
39021007163 SPILLS	Columbus & Southern Ohio Westerville, OH County: Franklin	City
39021012861 SPILLS	Columbus & Southern Ohio Westerville, OH County: Delaware	City
39021014224 SPILLS	Columbus & Southern Ohio Westerville, OH County: Franklin	City
39021015354 SPILLS	Columbus & Southern Ohio Westerville, OH County: Franklin	City
39021018779 SPILLS	Columbus & Southern Ohio Westerville, OH County: Franklin	City
39021021267 SPILLS	Diamond Energy Westerville, OH County: Franklin	City
[illegible]1022102 LS	Diamond Energy Westerville, OH County: Franklin	City

ERIIS Report #158943A

Apr 11, 1997

ERIS ID. DATABASE	FACILITY ADDRESS COMMENTS	SELECTED BY
39021024085 SPILLS	Forrest Mcvay Westerville, OH County: Franklin	City
39021029989 SPILLS	Gemstar Homes Westerville, OH County: Franklin	City
39021016273 SPILLS	Guttman Oil Co Westerville, OH County: Delaware	City
39021019346 SPILLS	Guttman Oil Co Westerville, OH County: Franklin	City
39021009074 SPILLS	Lake Of Woods Water Plant Westerville, OH County: Delaware	City
39021034824 SPILLS	Masonary Services Westerville, OH County: Franklin	City
21016843 LLS	Meadowgold Cremery Westerville, OH County: Franklin	City
39021021867 SPILLS	Mother Nature Westerville, OH County: Franklin	City
39021026962 SPILLS	Mother Nature Westerville, OH County: Franklin	City
39021038663 SPILLS	Mother Nature Westerville, OH County: Fraqnklin	City
39021039074 SPILLS	Mr Bob Finish This Input Westerville, OH County: Franklin	City
39021030506 SPILLS	Mr Steve Harris Westerville, OH County: Franklin	City
39021008685 SPILLS	National Engine Rebuilders Inc Westerville, OH County: Delaware	City
1025603 LLS	Ohio E P A / Wqma Westerville, OH County: Franklin	City

ERIIS Report #158943A Apr 11, 1997

ERIS ID. BASE	FACILITY ADDRESS COMMENTS	SELECTED BY
39021012271 SPILLS	Ohio Utilities Westerville, OH County: Franklin	City
39021016712 SPILLS	Ohio Utilities Co Westerville, OH County: Franklin	City
39021017844 SPILLS	Ohio Utilities Co Westerville, OH County: Franklin	City
39021023331 SPILLS	One Design Yachts Inc Westerville, OH County: Franklin	City
39021032690 SPILLS	Ransom Demo Landfill Westerville, OH County: Franklin	City
39021001529 SPILLS	Refiners Transport Westerville, OH County: Franklin	City
21005869 S	Solid Waste Management Westerville, OH County: Delaware	City
39021019447 SPILLS	St Anns Hospital Westerville, OH County: Franklin	City
39021040191 SPILLS	St. Anns Hospital Westerville, OH County: Franklin	City
39021024911 SPILLS	Twiss Blacktop Westerville, OH County: Franklin	City
39021000224 SPILLS	Unknown Westerville, OH County: Franklin	City
39021002398 SPILLS	Unknown Westerville, OH County: Franklin	City
39021002516 SPILLS	Unknown Westerville, OH County: Franklin	City
004063 S	Unknown Westerville, OH County: Franklin	City

ERIIS Report #158943A

Apr 11, 1997

TS ID. BASE	FACILITY ADDRESS COMMENTS	SELECTED BY
39021004936 SPILLS	Unknown Westerville, OH County: Delaware	City
39021005850 SPILLS	Unknown Westerville, OH County: Delaware	City
39021006536 SPILLS	Unknown Westerville, OH County: Franklin	City
39021007332 SPILLS	Unknown Westerville, OH County: Franklin	City
39021011806 SPILLS	Unknown Westerville, OH County: Franklin	City
39021012931 SPILLS	Unknown Westerville, OH County: Franklin	City
?1013238 LS	Unknown Westerville, OH County: Franklin	City
39021013911 SPILLS	Unknown Westerville, OH County: Franklin	City
39021015061 SPILLS	Unknown Westerville, OH County: Franklin	City
39021018603 SPILLS	Unknown Westerville, OH County: Franklin	City
39021020795 SPILLS	Unknown Westerville, OH County: Franklin	City
39021021424 SPILLS	Unknown Westerville, OH County: Franklin	City
39021023351 SPILLS	Unknown Westerville, OH County: Delaware	City
1024332 LS	Unknown Westerville, OH County: Franklin	City

ERIIS Report #158943A Apr 11, 1997

ERIS ID. BASE	FACILITY ADDRESS COMMENTS	SELECTED BY
39021024872 SPILLS	Unknown Westerville, OH County: Franklin	City
39021025568 SPILLS	Unknown Westerville, OH County: Franklin	City
39021028765 SPILLS	Unknown Westerville, OH County: Franklin	City
39021028915 SPILLS	Unknown Westerville, OH County: Franklin	City
39021034241 SPILLS	Unknown Westerville, OH County: Franklin	City
39021036697 SPILLS	Unknown Westerville, OH County: Franklin	City
21037859 LS	Unknown Westerville, OH County: Franklin	City
39021039586 SPILLS	Unknown Westerville, OH County: Franklin	City
39021036480 SPILLS	Unknown Motorist Westerville, OH County: Franklin	City
39021036570 SPILLS	Westerville Westerville, OH County: Franklin	City
39021023999 SPILLS	Westerville Car Wash Westerville, OH County: Franklin	City
39021024909 SPILLS	Westerville Car Wash Westerville, OH County: Franklin	City
39021022529 SPILLS	Westerville Fd Westerville, OH County: Franklin	City
1039012 LS	Westerville Sewers & Drains Westerville, OH County: Franklin	City

ERIIS Report #158943A Apr 11, 1997

TS ID. ABASE	FACILITY ADDRESS COMMENTS	SELECTED BY
39021030105 SPILLS	Westerville Street Dept Westerville, OH County: Franklin	City
39021001886 SPILLS	Westerville Trailer Court Westerville, OH County: Franklin	City
39021039229 SPILLS	Westerville Utilities Dept Westerville, OH County: Franklin	City
39021001518 SPILLS	Whetstone Construction Co Westerville, OH County: Franklin	City
39021062145 SPILLS	Marathon Oil Co 1555 State St Westerville, OH County: Franklin	City
39021056013 SPILLS	Capital City Exterminators 268 Ticondoroga Ave Westerville, OH County: Franklin	City
?1059990 LS	Geotechnical Consultants, Inc. 292 E. Broadway To Alum Creek Trib Westerville, OH County: Franklin	City
39021070790 SPILLS	Unknown 3972 West Drop 36 Westerville, OH County: Champaign	City
39021067627 SPILLS	Shell Oil Co 3c - I-270 Westerville, OH County: Franklin	City
39021070798 SPILLS	Unknown 40 Israel At Stonner Alley Westerville, OH County: Franklin	City
39021059142 SPILLS	Emery Transportation 6010 N 3-c Hwy Westerville, OH County: Franklin	City
39021071003 SPILLS	Unknown 6436 Saddle Ct Westerville, OH County: Franklin	City
39021058697 SPILLS	Donny Tree Service / Mr Donny George 6440 Seville Rd Westerville, OH County: Medina	City
1066009 SPILLS	Pepper Grove Nursery 8360 Sunbury Rd At Cross Creek Gardens Westerville, OH County: Franklin	City

ERIIS Report #158943A Apr 11, 1997

ERIIS ID. DATABASE	FACILITY ADDRESS COMMENTS	SELECTED BY
39021062076 SPILLS	Mallory Pools Inc. 8755 Columbus Pike Westerville, OH County: Delaware	City
39021059442 SPILLS	Federated Dept Store / Gold Circle @ Gold Circle In Westerville Mall Off Huber Ridge Westerville, OH County: Franklin	City
39021058620 SPILLS	Dispatch Consumer Services All Along Redbank Road Westerville, OH County: Delaware	City
39021074454 SPILLS	Westerville Service Dept Alum Creek Westerville, OH County: Franklin	City
39021074456 SPILLS	Westerville Street Department Alum Creek Park Westerville, OH County: Franklin	City
39021071266 SPILLS	Unknown Area Of East Ave. Westerville, OH County: Franklin	City
1069645 LS	Unk Behind Bus Garage On Walnut Westerville, OH County: Franklin	City
39021071324 SPILLS	Unknown Behind Co. Homer Run Creek Westerville, OH County: Franklin	City
39021053902 SPILLS	Allstate Painting & Contracting Co Below Hoover Damn At Construction Site Westerville, OH County: Franklin	City
39021062152 SPILLS	Marathon Oil Co Bonded Station On State St In Westerville Westerville, OH County: Franklin	City
39021071417 SPILLS	Unknown Brooksedge Blvd Off Schrock Westerville, OH County: Franklin	City
39021074452 SPILLS	Westerville City Of Drinking Water Plant Westerville, OH County: Franklin	City
39021054065 SPILLS	Anomatic Corp East Braodway Westerville, OH County: Franklin	City
1067232 SPILLS	Rumpke Waste Services Huber Village & State Street Westerville, OH County: Franklin	City

OC 010684

ERIIS Report #158943A Apr 11, 1997

ERIS ID. DATABASE	FACILITY ADDRESS COMMENTS	SELECTED BY
39021064811 SPILLS	No Spill Jim Gore Farm 5960 Tussic Rd Westerville, OH County: Delaware	City
39021067226 SPILLS	Rumpke Waste Inc King Arthur St Westerville, OH County: Franklin	City
39021057294 SPILLS	Columbus Southern Electric Main St One Block E Of Cleveland Ave Westerville, OH County: Franklin	City
39021056720 SPILLS	City Of Westerville Mairemont Drive West Westerville, OH County: Franklin	City
39021054789 SPILLS	Bank One Corp Mccoy Center Westerville, OH County: Franklin	City
39021074457 SPILLS	Westerville Water Dept Monroe Lane Westerville, OH County: Franklin	City
21074451 LS	Westerville Nottingham Crt Westerville, OH County: Franklin	City
39021074333 SPILLS	Wasterville Service Dept Oakhill Dr From Point View To Dead End St Westerville, OH County: Franklin	City
39021056296 SPILLS	Certified Oil Co Rt 161 & 3c Highway Westerville, OH County: Franklin	City
39021072993 SPILLS	Unknown S Of Low Head Dam On Main St & N Of Shrock Rd Westerville, OH County: Franklin	City
39021068075 SPILLS	Standard Oil Co S State St N Of Huber Ridge Blvd Westerville, OH County: Franklin	City
39021056390 SPILLS	Chemcraft Shrock Rd 900 Block Westerville, OH County: Franklin	City
39021068079 SPILLS	Standard Oil Co South State & West Park Westerville, OH County: Franklin	City
21056300 SPILLS	Certified Oil Co Sr 161 At I-270 Westerville, OH County: Franklin	City

ERIIS Report #158943A Apr 11, 1997

ERIIS ID. / DATABASE	FACILITY / ADDRESS / COMMENTS	SELECTED BY
39021068084 SPILLS	Standard Oil Co State & I270 Westerville, OH County: Franklin	City
39021065668 SPILLS	Oliver Trucking Company State And Plum Street Westerville, OH County: Franklin	City
39021069268 SPILLS	Unidentified; See Remarks Storm Sewer Basin - Nw Corner Cherrington School Yard Westerville, OH County: Franklin	City
39021074455 SPILLS	Westerville Service Dept Tammar Lane & Eastwood Dr Westerville, OH County: Franklin	City
39021060751 SPILLS	Industrial Fabricators Vine Street Westerville, OH County: Franklin	City
39021073685 SPILLS	Unknown W Schrock Rd Westerville, OH County: Franklin	City
1074453 LS	Westerville Service Department W. Walnut Westerville, OH County: Franklin	City
39021054457 SPILLS	Attamatick West Sie Souther Most Stack At Plant Westerville, OH County: Franklin	City
39021067229 SPILLS	Rumpke Waste Inc Whisper Wood Court (off Springtree Lane) Westerville, OH County: Franklin	City
39021012296 SPILLS	Columbus & Southern Ohio OH County: Delaware	County
39021034642 SPILLS	Columbus Southern Power OH County: Delaware	County
39021014159 SPILLS	Delaware County Highway Dept OH County: Delaware	County
39021000481 SPILLS	Kroger Co OH County: Delaware	County
038017 SPILLS	Reinbold Transportation OH County: Delaware	County

ERIIS LIST OF STREETS IN THE RADIUS

ERIIS Report #158943A Apr 11, 1997

STREET NAME
SIOUX DR
SKPYGLASS CT
SMILEY CT
SMOTHERS ROAD
SOMERTON DR
SPRING CREEK DR
SPRING VALLEY ROAD
SPRINGHURST CT
N SPRING ROAD
S SPRING ROAD
SPRINGTREE LANE
SPRUCE LANE
STATE HWY 3
STATE ROUTE 3
N STATE ST
STEFFAN CT
STERLING CT
STERLING GLEN DR
SUGAR CT
SUGARBERRY CT
SUGARMAPLE CT
N SUMMIT ST
S SUMMIT ST
SUNBURY ROAD
SUNBURY LAKE DR
SUSAN AVE
SWEETGUM WAY
TAMI SUE CT
TAMMERLANE CT
THIRLWALL CT
TUSSIC ST
N VINE ST
S VINE ST
WALLEAN DR
WALNUT HALL DR
WALNUT RIDGE LANE
WALNUT VALLEY DR S
E WALNUT ST
WALSINGHAM CT
WAXWING CT
WEATHERED OAK CT
WEATHERWOOD CT
WEDGEWOOD CT
WEYANT ST
WHISPERWOOD CT
WHITE OAK LANE
N WHITEHEAD ST
S WHITEHEAD ST
WILDER CT
WINDHAM AVE
WINDSTAR DR
E WINTER ST
WOOD ST
WOODLAWN AVE
WREN AVE

ERIS Report #158943A

Apr 11, 1997

ERIS ID. DATABASE	FACILITY ADDRESS COMMENTS	SELECTED BY
39021037303 SPILLS	Trans Con Lines OH County: Delaware	County
39021040778 SPILLS	Unknown OH County: Delaware	County
39021041188 SPILLS	Francis E Mccreary 6241 Us Rt 23 North OH County: Delaware	County
39021041189 SPILLS	Francis E Mccreary 6241 Us Rt 23 North OH County: Delaware	County
39021041190 SPILLS	Francis E Mccreary 6241 Us Rt 23 North OH County: Delaware	County
39021041191 SPILLS	Francis E Mccreary 6241 Us Rt 23 North OH County: Delaware	County
21041192 LS	Francis E Mccreary 6241 Us Rt 23 North OH County: Delaware	County
39021037011 SPILLS	Trans Con Lines 71 S Near Rest Are/exit Ramp Of Park 26 OH County: Delaware	County
39021040708 SPILLS	Unknown Alum Creek Resv At Old State Rd OH County: Delaware	County
39021041514 SPILLS	Maverick Trucking Co Flying-j Truck Stop At 71n And St Rt 37 OH County: Delaware	County
39021041515 SPILLS	Maverick Trucking Co Flying-j Truck Stop At 71n And St Rt 37 OH County: Delaware	County
39021041516 SPILLS	Maverick Trucking Co Flying-j Truck Stop At 71n And St Rt 37 OH County: Delaware	County
39021039965 SPILLS	Guttman Oil Co Same As Above OH County: Delaware	County

ERIIS ENVIRONMENTAL DATA REPORT
RESOURCE CONSERVATION AND RECOVERY INFORMATION SYSTEM - SMALL QUANTITY GENERATORS
RCRIS_SG - UNPLOTTABLE SITES

ERIIS Report #158943A Apr 11, 1997

ID	FACILITY	ADDRESS
39008001746 OHD040818601	Ruhl Dick Ford Sales Inc	Sawmill Rd Columbus, OH 43085 County: Franklin

Facility Is Not Reported In Raats

HAZARDOUS WASTES:

1.	WASTE CODE:	D001	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		
2.	WASTE CODE:	F003	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		

39008003215 OHD095018925	Nissan Training Ctr	150 Wilson Bridge Rd Worthington, OH 43085 County: Franklin

Facility Is Not Reported In Raats

HAZARDOUS WASTES:

1.	WASTE CODE:	D000	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		
2.	WASTE CODE:	D001	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		

)05751 O[illegible]2651093	Richardson Smith Inc	10350 Olentangy River Rd Worthington, OH 43085 County: Franklin

Facility Is Not Reported In Raats

HAZARDOUS WASTES:

1.	WASTE CODE:	D000	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		
2.	WASTE CODE:	D001	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		
3.	WASTE CODE:	F003	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		
4.	WASTE CODE:	F005	AMOUNT OF WASTE:	.00000
	SOURCE OF INFO:	Notification		

ERIIS ENVIRONMENTAL DATA REPORT
OHIO UNDERGROUND STORAGE TANK REPORT
RST - UNPLOTTABLE SITES

ERIIS Report #158943A Apr 11, 1997

TS ID / LITY ID	FACILITY	ADDRESS
39010006166 0-252246	Mobil Oil Corp.	Linworth Rd & St Rt 161 Linworth, OH 43085 COUNTY: Franklin

OWNER: Ralph P. & Pauline Erwin
161 & Linworth
Linworth, OH 43085

MANAGER: Not Reported

TANK ID	STATUS	SUBSTANCE	CAPACITY	AGE	CONSTRUCTION
1	Removed	Gasoline	4,000	Unk	Bare Steel
2	Removed	Gasoline	4,000	Unk	Bare Steel
3	Removed	Gasoline	4,000	Unk	Bare Steel
4	Removed	Gasoline	4,000	Unk	Bare Steel
5	Removed	Gasoline	1,000	Unk	Bare Steel
6	Removed	Unk	1,000	Unk	Bare Steel
7	Removed	Used Oil	550	Unk	Bare Steel

39010019426 0-252107	Bp Oil Co. #02742	7525 Sancus Blvd Worthington, OH 43085-4737 COUNTY: Franklin

OWNER: Bp Oil Co.
200 Public Sq
Cleveland, OH 44114

MANAGER: Rick Turner
(216) 586-5798

TANK ID	STATUS	SUBSTANCE	CAPACITY	AGE	CONSTRUCTION
1	Currently In Use	Gasoline	8,000	Unk	Fiberglass
2	Currently In Use	Gasoline	15,000	Unk	Fiberglass

OC 010690

ERIIS ENVIRONMENTAL DATA REPORT
OHIO EMERGENCY RESPONSE DATABASE (EROS)
SPILLS - UNPLOTTABLE SITES

ERIIS Report #158943A — Apr 11, 1997

ID	FACILITY ADDRESS	COUNTY
39021000224	Unknown Not Reported Westerville, OH	COUNTY: Franklin

SPILL DATE: 030378 PRIORITY: No Emergency Response Unit
SPILL SIZE: Small SUBSTANCE: Unknown
AREA AFFECTED: Air

39021000481 Kroger Co — COUNTY: Delaware
Not Reported
OH

SPILL DATE: 041778 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Diesel Fuel
AREA AFFECTED: Land Or Land Surface Impact

39021000539 Anomatic Corp — COUNTY: Franklin
Not Reported
Westerville, OH

SPILL DATE: 042778 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Sodium Hydroxide
AREA AFFECTED: Sewer And Pre-89 Surface Water

39021001518 Whetstone Construction Co — COUNTY: Franklin
Not Reported
Westerville, OH

SPILL DATE: 111678 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Gasoline
AREA AFFECTED: Sewer And Pre-89 Surface Water

39021001529 Refiners Transport — COUNTY: Franklin
Not Reported
Westerville, OH

SPILL DATE: 112078 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Fuel Oil #2
AREA AFFECTED: Land Or Land Surface Impact

39021001886 Westerville Trailer Court — COUNTY: Franklin
Not Reported
Westerville, OH

SPILL DATE: 020979 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Bad Water
AREA AFFECTED: Nothing Spilled Or Natural Event

---

39 002398 Unknown — COUNTY: Franklin
Not Reported
Westerville, OH

OC 010691

ERIIS ENVIRONMENTAL DATA REPORT
OHIO EMERGENCY RESPONSE DATABASE (EROS)
SPILLS - UNPLOTTABLE SITES

ERIIS Report #158943A Apr 11, 1997

ID	FACILITY ADDRESS	COUNTY
	SPILL DATE: 042079 PRIORITY: No Emergency Response Unit SPILL SIZE: Small SUBSTANCE: Unknown AREA AFFECTED: Sewer And Pre-89 Surface Water	
39021002516	Unknown Not Reported Westerville, OH	COUNTY: Franklin
	SPILL DATE: 050779 PRIORITY: No Emergency Response Unit SPILL SIZE: Small SUBSTANCE: Unknown AREA AFFECTED: Sewer And Pre-89 Surface Water	
39021003629	Car Wash Inc Not Reported Westerville, OH	COUNTY: Franklin
	SPILL DATE: 100979 PRIORITY: Whenever Possible Convenient SPILL SIZE: Small SUBSTANCE: Gasoline AREA AFFECTED: Land Or Land Surface Impact	
39021004063	Unknown Not Reported Westerville, OH	COUNTY: Franklin
	SPILL DATE: 011980 PRIORITY: No Emergency Response Unit SPILL SIZE: Small SUBSTANCE: Unknown AREA AFFECTED: Sewer And Pre-89 Surface Water	
39021004936	Unknown Not Reported Westerville, OH	COUNTY: Delaware
	SPILL DATE: 060680 PRIORITY: Whenever Possible Convenient SPILL SIZE: Small SUBSTANCE: Pesticide AREA AFFECTED: Land Or Land Surface Impact	
39021005850	Unknown Not Reported Westerville, OH	COUNTY: Delaware
	SPILL DATE: 092180 PRIORITY: Whenever Possible Convenient SPILL SIZE: Small SUBSTANCE: No Water Pressure AREA AFFECTED: Land Or Land Surface Impact	
39021005869	Solid Waste Management Not Reported Westerville, OH	COUNTY: Delaware
	SPILL DATE: 092480 PRIORITY: Whenever Possible Convenient SPILL SIZE: Small SUBSTANCE: Leachate AREA AFFECTED: Sewer And Pre-89 Surface Water	

OC 010692

ERIIS ENVIRONMENTAL DATA REPORT
OHIO EMERGENCY RESPONSE DATABASE (EROS)
SPILLS - UNPLOTTABLE SITES

ERIIS Report #158943A Apr 11, 1997

ID	FACILITY ADDRESS	COUNTY
39021006536	Unknown Not Reported Westerville, OH	COUNTY: Franklin
	SPILL DATE: 011281 PRIORITY: Whenever Possible Convenient SPILL SIZE: Small SUBSTANCE: Gasoline Fumes AREA AFFECTED: Air	
39021007163	Columbus & Southern Ohio Not Reported Westerville, OH	COUNTY: Franklin
	SPILL DATE: 041381 PRIORITY: Whenever Possible Convenient SPILL SIZE: Small SUBSTANCE: Transformer Oil (pcb Oil ???) AREA AFFECTED: Land Or Land Surface Impact	
39021007332	Unknown Not Reported Westerville, OH	COUNTY: Franklin
	SPILL DATE: 050481 PRIORITY: Whenever Possible Convenient SPILL SIZE: Small SUBSTANCE: Oil AREA AFFECTED: Land Or Land Surface Impact	
39021008685	National Engine Rebuilders Inc Not Reported Westerville, OH	COUNTY: Delaware
	SPILL DATE: 092581 PRIORITY: Whenever Possible Convenient SPILL SIZE: Small SUBSTANCE: Waste Oil AREA AFFECTED: Land Or Land Surface Impact	
39021009074	Lake Of Woods Water Plant Not Reported Westerville, OH	COUNTY: Delaware
	SPILL DATE: 111481 PRIORITY: Whenever Possible Convenient SPILL SIZE: Small SUBSTANCE: Bad Water AREA AFFECTED: Land Or Land Surface Impact	
39021009546	Anomatic Corp Not Reported Westerville, OH	COUNTY: Franklin
	SPILL DATE: 020482 PRIORITY: Whenever Possible Convenient SPILL SIZE: Small SUBSTANCE: Phosphoric Acid AREA AFFECTED: Sewer And Pre-89 Surface Water	
011806	Unknown Not Reported Westerville, OH	COUNTY: Franklin

OC 010693

S ID	FACILITY ADDRESS	COUNTY

SPILL DATE: 101482 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Gasoline
AREA AFFECTED: Land Or Land Surface Impact

39021012271 Ohio Utilities COUNTY: Franklin
Not Reported
Westerville, OH

SPILL DATE: 122282 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Waste Chemicals
AREA AFFECTED: Sewer And Pre-89 Surface Water

39021012296 Columbus & Southern Ohio COUNTY: Delaware
Not Reported
OH

SPILL DATE: 122882 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Pcb Oil
AREA AFFECTED: Land Or Land Surface Impact

39021012662 Bi-way Trailer Park COUNTY: Franklin
Not Reported
Westerville, OH

SPILL DATE: 021983 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Sewage
AREA AFFECTED: Land Or Land Surface Impact

39021012861 Columbus & Southern Ohio COUNTY: Delaware
Not Reported
Westerville, OH

SPILL DATE: 031483 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Transformer Oil
AREA AFFECTED: Land Or Land Surface Impact

39021012931 Unknown COUNTY: Franklin
Not Reported
Westerville, OH

SPILL DATE: 032583 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Suds
AREA AFFECTED: Sewer And Pre-89 Surface Water

39021013238 Unknown COUNTY: Franklin
Not Reported
Westerville, OH

SPILL DATE: 043083 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Gasoline
AREA AFFECTED: Sewer And Pre-89 Surface Water

ERIIS ENVIRONMENTAL DATA REPORT
OHIO EMERGENCY RESPONSE DATABASE (EROS)
SPILLS - UNPLOTTABLE SITES

ERIIS Report #158943A

Apr 11, 1997

S ID	FACILITY ADDRESS	COUNTY
39021013911	Unknown Not Reported Westerville, OH	COUNTY: Franklin

SPILL DATE: 062483 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Unknown Odors
AREA AFFECTED: Air

39021014159	Delaware County Highway Dept Not Reported OH	COUNTY: Delaware

SPILL DATE: 071583 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Paint
AREA AFFECTED: Sewer And Pre-89 Surface Water

39021014224	Columbus & Southern Ohio Not Reported Westerville, OH	COUNTY: Franklin

SPILL DATE: 072183 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Pcb Oil
AREA AFFECTED: Land Or Land Surface Impact

39021015061	Unknown Not Reported Westerville, OH	COUNTY: Franklin

SPILL DATE: 092883 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Ortho Toluidine
AREA AFFECTED: Nothing Spilled Or Natural Event

39021015098	Bi-way Trailer Park Not Reported Westerville, OH	COUNTY: Franklin

SPILL DATE: 100183 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Sewage
AREA AFFECTED: Sewer And Pre-89 Surface Water

39021015354	Columbus & Southern Ohio Not Reported Westerville, OH	COUNTY: Franklin

SPILL DATE: 110183 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Pcb Oil
AREA AFFECTED: Land Or Land Surface Impact

016273	Guttman Oil Co Not Reported Westerville, OH	COUNTY: Delaware

ERIIS ENVIRONMENTAL DATA REPORT
OHIO EMERGENCY RESPONSE DATABASE (EROS)
SPILLS - UNPLOTTABLE SITES

ERIIS Report #158943A Apr 11, 1997

IS ID	FACILITY ADDRESS	COUNTY
	SPILL DATE: 030184 PRIORITY: Respond Asap During Normal Work Hours SPILL SIZE: Medium SUBSTANCE: Fuel Oil AREA AFFECTED: Groundwater Or Subsurface Affect	
39021016712	Ohio Utilities Co Not Reported Westerville, OH	COUNTY: Franklin
	SPILL DATE: 041684 PRIORITY: Whenever Possible Convenient SPILL SIZE: Small SUBSTANCE: Yellow Tinted Water AREA AFFECTED: Land Or Land Surface Impact	
39021016843	Meadowgold Cremery Not Reported Westerville, OH	COUNTY: Franklin
	SPILL DATE: 042684 PRIORITY: Whenever Possible Convenient SPILL SIZE: Small SUBSTANCE: Cream AREA AFFECTED: Sewer And Pre-89 Surface Water	
39021017844	Ohio Utilities Co Not Reported Westerville, OH	COUNTY: Franklin
	SPILL DATE: 071884 PRIORITY: Respond Immediately SPILL SIZE: Large SUBSTANCE: Public Water Supply AREA AFFECTED: Land Or Land Surface Impact	
39021018603	Unknown Not Reported Westerville, OH	COUNTY: Franklin
	SPILL DATE: 092584 PRIORITY: Whenever Possible Convenient SPILL SIZE: Small SUBSTANCE: Solvent AREA AFFECTED: Land Or Land Surface Impact	
39021018779	Columbus & Southern Ohio Not Reported Westerville, OH	COUNTY: Franklin
	SPILL DATE: 101284 PRIORITY: Whenever Possible Convenient SPILL SIZE: Small SUBSTANCE: Transformer Oil AREA AFFECTED: Land Or Land Surface Impact	
39021019346	Guttman Oil Co Not Reported Westerville, OH	COUNTY: Franklin
	SPILL DATE: 121284 PRIORITY: Whenever Possible Convenient SPILL SIZE: Small SUBSTANCE: Waste Oil AREA AFFECTED: Sewer And Pre-89 Surface Water	

OC 010696

ERIIS ENVIRONMENTAL DATA REPORT
OHIO EMERGENCY RESPONSE DATABASE (EROS)
SPILLS - UNPLOTTABLE SITES

ERIIS Report #158943A — Apr 11, 1997

ID	FACILITY ADDRESS	COUNTY
39021019447	St Anns Hospital Not Reported Westerville, OH	COUNTY: Franklin

SPILL DATE: 122184 PRIORITY: Respond Asap During Normal Work Hours
SPILL SIZE: Small SUBSTANCE: 10c Mineral Oil
AREA AFFECTED: Sewer And Pre-89 Surface Water

39021020187	Certified Oil Co Not Reported Westerville, OH	COUNTY: Franklin

SPILL DATE: 031885 PRIORITY: Respond Asap During Normal Work Hours
SPILL SIZE: Large SUBSTANCE: Gasoline
AREA AFFECTED: Land Or Land Surface Impact

39021020705	Citizen Not Reported Westerville, OH	COUNTY: Franklin

SPILL DATE: 042685 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Gasoline
AREA AFFECTED: Sewer And Pre-89 Surface Water

39021020795	Unknown Not Reported Westerville, OH	COUNTY: Franklin

SPILL DATE: 050185 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Transmission Oil
AREA AFFECTED: Sewer And Pre-89 Surface Water

39021021267	Diamond Energy Not Reported Westerville, OH	COUNTY: Franklin

SPILL DATE: 060585 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Coal Tar
AREA AFFECTED: Land Or Land Surface Impact

39021021424	Unknown Not Reported Westerville, OH	COUNTY: Franklin

SPILL DATE: 061885 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Waste Oil
AREA AFFECTED: Sewer And Pre-89 Surface Water

021820	Buildmor Company Not Reported Westerville, OH	COUNTY: Franklin

OC 010697

S ID	FACILITY ADDRESS	COUNTY
	SPILL DATE: 071585 PRIORITY: Respond Immediately SPILL SIZE: Large SUBSTANCE: Gasoline AREA AFFECTED: Sewer And Pre-89 Surface Water	
39021021867	Mother Nature Not Reported Westerville, OH	COUNTY: Franklin
	SPILL DATE: 071585 PRIORITY: No Emergency Response Unit SPILL SIZE: Unknown SUBSTANCE: Fertilizer AREA AFFECTED: Sewer And Pre-89 Surface Water	
39021022102	Diamond Energy Not Reported Westerville, OH	COUNTY: Franklin
	SPILL DATE: 073085 PRIORITY: Respond Asap During Normal Work Hours SPILL SIZE: Small SUBSTANCE: Waste Oil AREA AFFECTED: Land Or Land Surface Impact	
39021022529	Westerville Fd Not Reported Westerville, OH	COUNTY: Franklin
	SPILL DATE: 082985 PRIORITY: Whenever Possible Convenient SPILL SIZE: Small SUBSTANCE: Smoke AREA AFFECTED: Air	
39021023331	One Design Yachts Inc Not Reported Westerville, OH	COUNTY: Franklin
	SPILL DATE: 111385 PRIORITY: Respond Asap During Normal Work Hours SPILL SIZE: Small SUBSTANCE: Fuel Oil AREA AFFECTED: Sewer And Pre-89 Surface Water	
39021023351	Unknown Not Reported Westerville, OH	COUNTY: Delaware
	SPILL DATE: 111585 PRIORITY: Whenever Possible Convenient SPILL SIZE: Small SUBSTANCE: Smoke AREA AFFECTED: Sewer And Pre-89 Surface Water	
39021023381	Beatrice Dairy Products Div Not Reported Westerville, OH	COUNTY: Franklin
	SPILL DATE: 111985 PRIORITY: Respond Asap During Normal Work Hours SPILL SIZE: Small SUBSTANCE: Diesel Fuel AREA AFFECTED: Sewer And Pre-89 Surface Water	

OC 010698

ERIIS ENVIRONMENTAL DATA REPORT
OHIO EMERGENCY RESPONSE DATABASE (EROS)
SPILLS - UNPLOTTABLE SITES

ERIIS Report #158943A Apr 11, 1997

ID	FACILITY ADDRESS	COUNTY
39021023999	Westerville Car Wash Not Reported Westerville, OH	COUNTY: Franklin

SPILL DATE: 020786 PRIORITY: Respond Asap During Normal Work Hours
SPILL SIZE: Medium SUBSTANCE: Petroleum
AREA AFFECTED: Sewer And Pre-89 Surface Water

39021024085 Forrest Mcvay
Not Reported
Westerville, OH
COUNTY: Franklin

SPILL DATE: 021886 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Unknown SUBSTANCE: Fuel Oil #2
AREA AFFECTED: Sewer And Pre-89 Surface Water

39021024332 Unknown
Not Reported
Westerville, OH
COUNTY: Franklin

SPILL DATE: 031286 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Sodium Hydroxide
AREA AFFECTED: Nothing Spilled Or Natural Event

39021024368 Citizen
Not Reported
Westerville, OH
COUNTY: Franklin

SPILL DATE: 031486 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Unknown SUBSTANCE: Fuel Oil
AREA AFFECTED: Sewer And Pre-89 Surface Water

39021024872 Unknown
Not Reported
Westerville, OH
COUNTY: Franklin

SPILL DATE: 042586 PRIORITY: Respond Asap During Normal Work Hours
SPILL SIZE: Small SUBSTANCE: Vegetable Oil
AREA AFFECTED: Sewer And Pre-89 Surface Water

39021024909 Westerville Car Wash
Not Reported
Westerville, OH
COUNTY: Franklin

SPILL DATE: 042886 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Gasoline
AREA AFFECTED: Sewer And Pre-89 Surface Water

---

3. .024911 Twiss Blacktop
Not Reported
Westerville, OH
COUNTY: Franklin

OC 010699

ERIIS ENVIRONMENTAL DATA REPORT
OHIO EMERGENCY RESPONSE DATABASE (EROS)
SPILLS - UNPLOTTABLE SITES

ERIIS Report #158943A Apr 11, 1997

S ID	FACILITY ADDRESS	COUNTY
	SPILL DATE: 042886 PRIORITY: Whenever Possible Convenient SPILL SIZE: Small SUBSTANCE: Tar AREA AFFECTED: Sewer And Pre-89 Surface Water	
39021025463	Citizen Not Reported Westerville, OH	COUNTY: Franklin
	SPILL DATE: 060986 PRIORITY: Whenever Possible Convenient SPILL SIZE: Small SUBSTANCE: Gasoline AREA AFFECTED: Land Or Land Surface Impact	
39021025568	Unknown Not Reported Westerville, OH	COUNTY: Franklin
	SPILL DATE: 061686 PRIORITY: Whenever Possible Convenient SPILL SIZE: Small SUBSTANCE: Dead Grass AREA AFFECTED: Land Or Land Surface Impact	
39021025603	Ohio E P A / Wqma Not Reported Westerville, OH	COUNTY: Franklin
	SPILL DATE: 061886 PRIORITY: Whenever Possible Convenient SPILL SIZE: Unknown SUBSTANCE: Rhodamine Wt Dye AREA AFFECTED: Sewer And Pre-89 Surface Water	
39021026962	Mother Nature Not Reported Westerville, OH	COUNTY: Franklin
	SPILL DATE: 102086 PRIORITY: Whenever Possible Convenient SPILL SIZE: Small SUBSTANCE: Algae AREA AFFECTED: Sewer And Pre-89 Surface Water	
39021028579	Anomatic Corp Not Reported Westerville, OH	COUNTY: Franklin
	SPILL DATE: 041087 PRIORITY: Whenever Possible Convenient SPILL SIZE: Medium SUBSTANCE: Anodizing Solution AREA AFFECTED: Sewer And Pre-89 Surface Water	
39021028765	Unknown Not Reported Westerville, OH	COUNTY: Franklin
	SPILL DATE: 042387 PRIORITY: Whenever Possible Convenient SPILL SIZE: Small SUBSTANCE: Gasoline AREA AFFECTED: Groundwater Or Subsurface Affect	

ERIIS ENVIRONMENTAL DATA REPORT
OHIO EMERGENCY RESPONSE DATABASE (EROS)
SPILLS - UNPLOTTABLE SITES

ERIIS Report #158943A Apr 11, 1997

ID	FACILITY ADDRESS	COUNTY
39021028915	Unknown Not Reported Westerville, OH	COUNTY: Franklin
	SPILL DATE: 050487 PRIORITY: Whenever Possible Convenient SPILL SIZE: Unknown SUBSTANCE: Sewage AREA AFFECTED: Sewer And Pre-89 Surface Water	
39021029989	Gemstar Homes Not Reported Westerville, OH	COUNTY: Franklin
	SPILL DATE: 072187 PRIORITY: Whenever Possible Convenient SPILL SIZE: Small SUBSTANCE: Basement Sealer AREA AFFECTED: Sewer And Pre-89 Surface Water	
39021030105	Westerville Street Dept Not Reported Westerville, OH	COUNTY: Franklin
	SPILL DATE: 072987 PRIORITY: Whenever Possible Convenient SPILL SIZE: Small SUBSTANCE: Diesel Fuel AREA AFFECTED: Sewer And Pre-89 Surface Water	
39021030506	Mr Steve Harris Not Reported Westerville, OH	COUNTY: Franklin
	SPILL DATE: 082687 PRIORITY: Whenever Possible Convenient SPILL SIZE: None SUBSTANCE: Waste Chemicals AREA AFFECTED: Nothing Spilled Or Natural Event	
39021032690	Ransom Demo Landfill Not Reported Westerville, OH	COUNTY: Franklin
	SPILL DATE: 040788 PRIORITY: Whenever Possible Convenient SPILL SIZE: Unknown SUBSTANCE: Drums AREA AFFECTED: Land Or Land Surface Impact	
39021034241	Unknown Not Reported Westerville, OH	COUNTY: Franklin
	SPILL DATE: 081188 PRIORITY: Whenever Possible Convenient SPILL SIZE: Unknown SUBSTANCE: Fishkill AREA AFFECTED: Sewer And Pre-89 Surface Water	
39021034642	Columbus Southern Power Not Reported OH	COUNTY: Delaware

ERIIS ENVIRONMENTAL DATA REPORT
OHIO EMERGENCY RESPONSE DATABASE (EROS)
SPILLS - UNPLOTTABLE SITES

ERIIS Report #158943A — Apr 11, 1997

ERIS ID	FACILITY ADDRESS	COUNTY

SPILL DATE: 091388 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Mineral Oil
AREA AFFECTED: Land Or Land Surface Impact

39021034824 Masonary Services — COUNTY: Franklin
Not Reported
Westerville, OH

SPILL DATE: 093088 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Muriatic Acid 25%
AREA AFFECTED: Land Or Land Surface Impact

39021036480 Unknown Motorist — COUNTY: Franklin
Not Reported
Westerville, OH

SPILL DATE: 033189 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Gasoline
AREA AFFECTED: Post-88 Surface Water

39021036570 Westerville — COUNTY: Franklin
Not Reported
Westerville, OH

SPILL DATE: 041089 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Unknown SUBSTANCE: Gasoline
AREA AFFECTED: Air

39021036697 Unknown — COUNTY: Franklin
Not Reported
Westerville, OH

SPILL DATE: 041989 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Gasoline
AREA AFFECTED: Post-88 Surface Water

39021037011 Trans Con Lines — COUNTY: Delaware
71 S Near Rest Are/exit Ramp Of Park 26
OH

SPILL DATE: 051189 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Diesel Fuel
AREA AFFECTED: Land Or Land Surface Impact

39021037303 Trans Con Lines — COUNTY: Delaware
Not Reported
OH

SPILL DATE: 051189 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Diesel Fuel
AREA AFFECTED: Land Or Land Surface Impact

ERIIS ENVIRONMENTAL DATA REPORT
OHIO EMERGENCY RESPONSE DATABASE (EROS)
SPILLS - UNPLOTTABLE SITES

ERIIS Report #158943A Apr 11, 1997

S ID	FACILITY ADDRESS	COUNTY
39021037859	Unknown Not Reported Westerville, OH	COUNTY: Franklin

SPILL DATE: 070889 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Motor Oil
AREA AFFECTED: Post-88 Surface Water

39021038017	Reinbold Transportation Not Reported OH	COUNTY: Delaware

SPILL DATE: 071989 PRIORITY: Respond Asap During Normal Work Hours
SPILL SIZE: Small SUBSTANCE: Diesel Fuel
AREA AFFECTED: Post-88 Surface Water

39021038426	Central College School Not Reported Westerville, OH	COUNTY: Franklin

SPILL DATE: 082189 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Unknown SUBSTANCE: Fuel Oil
AREA AFFECTED: Groundwater Or Subsurface Affect

39021038523	Cedar Kraft Not Reported Westerville, OH	COUNTY: Franklin

SPILL DATE: 082989 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Diesel Fuel
AREA AFFECTED: Not Reported

39021038663	Mother Nature Not Reported Westerville, OH	COUNTY: Fraqnklin

SPILL DATE: 090889 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Unknown SUBSTANCE: Orange Dust/grass Rust
AREA AFFECTED: Air

39021039012	Westerville Sewers & Drains Not Reported Westerville, OH	COUNTY: Franklin

SPILL DATE: 100889 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Unknown SUBSTANCE: Sewage
AREA AFFECTED: Post-88 Surface Water

3[illegible]1039074	Mr Bob Finish This Input Not Reported Westerville, OH	COUNTY: Franklin

ID	FACILITY ADDRESS	COUNTY

SPILL DATE: 101689 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Antifreeze
AREA AFFECTED: Post-88 Surface Water

39021039229 Westerville Utilities Dept COUNTY: Franklin
Not Reported
Westerville, OH

SPILL DATE: 102789 PRIORITY: Respond Asap During Normal Work Hours
SPILL SIZE: Unknown SUBSTANCE: Transformer Oil
AREA AFFECTED: Post-88 Surface Water

39021039586 Unknown COUNTY: Franklin
Not Reported
Westerville, OH

SPILL DATE: 120489 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Unknown SUBSTANCE: #2fuel Oil
AREA AFFECTED: Groundwater Or Subsurface Affect

39021039965 Guttman Oil Co COUNTY: Delaware
Same As Above
OH

SPILL DATE: 032190 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Large SUBSTANCE: Engine Oil
AREA AFFECTED: Land Or Land Surface Impact

39021040167 Avonmatic COUNTY: Franklin
Not Reported
Westerville, OH

SPILL DATE: 071090 PRIORITY: N/r
SPILL SIZE: Unknown SUBSTANCE: Brown Smoke
AREA AFFECTED: Air

39021040191 St. Anns Hospital COUNTY: Franklin
Not Reported
Westerville, OH

SPILL DATE: 071890 PRIORITY: No Emergency Response Unit
SPILL SIZE: Small SUBSTANCE: Smoke
AREA AFFECTED: Air

39021040708 Unknown COUNTY: Delaware
Alum Creek Resv At Old State Rd
OH

SPILL DATE: 060291 PRIORITY: N/r
SPILL SIZE: N/r SUBSTANCE: Gasoline
AREA AFFECTED: Post-88 Surface Water

ERIIS ENVIRONMENTAL DATA REPORT
OHIO EMERGENCY RESPONSE DATABASE (EROS)
SPILLS - UNPLOTTABLE SITES

ERIIS Report #158943A Apr 11, 1997

S ID	FACILITY ADDRESS	COUNTY
39021040778	Unknown Not Reported OH	COUNTY: Delaware
	SPILL DATE: 073191 PRIORITY: Not Reported SPILL SIZE: N/r SUBSTANCE: Odor AREA AFFECTED: Air	
39021041188	Francis E Mccreary 6241 Us Rt 23 North OH	COUNTY: Delaware
	SPILL DATE: 08/02/94 PRIORITY: No Emergency Response Unit SPILL SIZE: Unknown SUBSTANCE: Asbestos AREA AFFECTED: Land Or Land Surface Impact	
39021041189	Francis E Mccreary 6241 Us Rt 23 North OH	COUNTY: Delaware
	SPILL DATE: 08/02/94 PRIORITY: No Emergency Response Unit SPILL SIZE: Unknown SUBSTANCE: Tires AREA AFFECTED: Land Or Land Surface Impact	
39021041190	Francis E Mccreary 6241 Us Rt 23 North OH	COUNTY: Delaware
	SPILL DATE: 08/02/94 PRIORITY: No Emergency Response Unit SPILL SIZE: Unknown SUBSTANCE: Demolition Debris AREA AFFECTED: Land Or Land Surface Impact	
39021041191	Francis E Mccreary 6241 Us Rt 23 North OH	COUNTY: Delaware
	SPILL DATE: 08/02/94 PRIORITY: No Emergency Response Unit SPILL SIZE: Unknown SUBSTANCE: Open Burning Asphalt Shingles AREA AFFECTED: Land Or Land Surface Impact	
39021041192	Francis E Mccreary 6241 Us Rt 23 North OH	COUNTY: Delaware
	SPILL DATE: 08/02/94 PRIORITY: No Emergency Response Unit SPILL SIZE: Unknown SUBSTANCE: Waste Water AREA AFFECTED: Land Or Land Surface Impact	
041514	Maverick Trucking Co Flying-j Truck Stop At 71n And St Rt 37 OH	COUNTY: Delaware

OC 010705

S ID	FACILITY ADDRESS	COUNTY

SPILL DATE: 02/14/96 PRIORITY: No Emergency Response Unit
SPILL SIZE: Small SUBSTANCE: Organics Vapor
AREA AFFECTED: Land Or Land Surface Impact

39021041515 Maverick Trucking Co COUNTY: Delaware
Flying-j Truck Stop At 71n And St Rt 37
OH

SPILL DATE: 02/14/96 PRIORITY: No Emergency Response Unit
SPILL SIZE: Small SUBSTANCE: Sulfur Dioxide
AREA AFFECTED: Land Or Land Surface Impact

39021041516 Maverick Trucking Co COUNTY: Delaware
Flying-j Truck Stop At 71n And St Rt 37
OH

SPILL DATE: 02/14/96 PRIORITY: No Emergency Response Unit
SPILL SIZE: Small SUBSTANCE: Diesel Fuel
AREA AFFECTED: Land Or Land Surface Impact

39021053902 Allstate Painting & Contracting Co COUNTY: Franklin
Below Hoover Damn At Construction Site
Westerville, OH

SPILL DATE: 05/23/96 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Orange Liquid
AREA AFFECTED: Post-88 Surface Water
SPILL DATE: 05/23/96 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Open Burning
AREA AFFECTED: Post-88 Surface Water
SPILL DATE: 05/23/96 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Diesel Fuel
AREA AFFECTED: Post-88 Surface Water

39021054065 Anomatic Corp COUNTY: Franklin
East Braodway
Westerville, OH

SPILL DATE: 070690 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Unknown SUBSTANCE: Yellow Air Emission
AREA AFFECTED: Not Reported

39021054457 Attamatick COUNTY: Franklin
West Sie Souther Most Stack At Plant
Westerville, OH

SPILL DATE: 062890 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Unknown SUBSTANCE: Acetic Smoke
AREA AFFECTED: Air

054789 Bank One Corp COUNTY: Franklin
Mccoy Center
Westerville, OH

ID	FACILITY ADDRESS	COUNTY

SPILL DATE: 082189 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Unknown SUBSTANCE: Fuel Oil #2
AREA AFFECTED: Post-88 Surface Water

39021056013 Capital City Exterminators COUNTY: Franklin
268 Ticondoroga Ave
Westerville, OH

SPILL DATE: 090785 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Chlordane 1%
AREA AFFECTED: Other Area

39021056296 Certified Oil Co COUNTY: Franklin
Rt 161 & 3c Highway
Westerville, OH

SPILL DATE: 101687 PRIORITY: Respond Asap During Normal Work Hours
SPILL SIZE: Unknown SUBSTANCE: Gasoline
AREA AFFECTED: Groundwater Or Subsurface Affect

39021056300 Certified Oil Co COUNTY: Franklin
Sr 161 At I-270
Westerville, OH

SPILL DATE: 031385 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Unknown SUBSTANCE: Gasoline
AREA AFFECTED: Groundwater Or Subsurface Affect

39021056390 Chemcraft COUNTY: Franklin
Shrock Rd 900 Block
Westerville, OH

SPILL DATE: 060791 PRIORITY: Respond Asap During Normal Work Hours
SPILL SIZE: Small SUBSTANCE: Floor Cleaning Compound
AREA AFFECTED: Land Or Land Surface Impact

39021056720 City Of Westerville COUNTY: Franklin
Mairemont Drive West
Westerville, OH

SPILL DATE: 082191 PRIORITY: N/r
SPILL SIZE: N/r SUBSTANCE: Demo Debris
AREA AFFECTED: Not Reported

39021057294 Columbus Southern Electric COUNTY: Franklin
Main St One Block E Of Cleveland Ave
Westerville, OH

SPILL DATE: 080792 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Unknown SUBSTANCE: Transformer Oil
AREA AFFECTED: Land Or Land Surface Impact

ERIIS ENVIRONMENTAL DATA REPORT
OHIO EMERGENCY RESPONSE DATABASE (EROS)
SPILLS - UNPLOTTABLE SITES

ERIIS Report #158943A Apr 11, 1997

ID	FACILITY ADDRESS	COUNTY

39021058620 Dispatch Consumer Services COUNTY: Delaware
All Along Redbank Road
Westerville, OH

SPILL DATE: 041991 PRIORITY: No Emergency Response Unit
SPILL SIZE: Small SUBSTANCE: Trash
AREA AFFECTED: Land Or Land Surface Impact

39021058697 Donny Tree Service / Mr Donny George COUNTY: Medina
6440 Seville Rd
Westerville, OH

SPILL DATE: 071991 PRIORITY: No Emergency Response Unit
SPILL SIZE: Small SUBSTANCE: Smoke
AREA AFFECTED: Air

39021059142 Emery Transportation COUNTY: Franklin
6010 N 3-c Hwy
Westerville, OH

SPILL DATE: 05/02/96 PRIORITY: Respond Asap During Normal Work Hours
SPILL SIZE: Small SUBSTANCE: Burning Pvc Plastic
AREA AFFECTED: Land Or Land Surface Impact, Post-88 Surface Water
SPILL DATE: 05/02/96 PRIORITY: Respond Asap During Normal Work Hours
SPILL SIZE: Small SUBSTANCE: Pipeline Liquid
AREA AFFECTED: Land Or Land Surface Impact, Post-88 Surface Water
SPILL DATE: 05/02/96 PRIORITY: Respond Asap During Normal Work Hours
SPILL SIZE: Small SUBSTANCE: Gasoline
AREA AFFECTED: Land Or Land Surface Impact, Post-88 Surface Water

---

39021059442 Federated Dept Store / Gold Circle COUNTY: Franklin
@ Gold Circle In Westerville Mall Off Huber Ridge
Westerville, OH

SPILL DATE: 102788 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Unknown SUBSTANCE: #2 Fuel Oil
AREA AFFECTED: Groundwater Or Subsurface Affect

39021059990 Geotechnical Consultants, Inc. COUNTY: Franklin
292 E. Braodway To Alum Creek Trib
Westerville, OH

SPILL DATE: 042390 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Not Reported SUBSTANCE: Diesel Fuel
AREA AFFECTED: Post-88 Surface Water

39021060751 Industrial Fabricators COUNTY: Franklin
Vine Street
Westerville, OH

SPILL DATE: 08/23/94 PRIORITY: No Emergency Response Unit
SPILL SIZE: Unknown SUBSTANCE: Paint Odors
AREA AFFECTED: Air

OC 010708

ID	FACILITY ADDRESS	COUNTY
	SPILL DATE: 08/23/94 PRIORITY: No Emergency Response Unit SPILL SIZE: Unknown SUBSTANCE: Sludge AREA AFFECTED: Air SPILL DATE: 08/23/94 PRIORITY: No Emergency Response Unit SPILL SIZE: Unknown SUBSTANCE: Oil AREA AFFECTED: Air	
39021062076	Mallory Pools Inc. 8755 Columbus Pike Westerville, OH	COUNTY: Delaware
	SPILL DATE: 121390 PRIORITY: Whenever Possible Convenient SPILL SIZE: Unknown SUBSTANCE: Smoke AREA AFFECTED: Air	
39021062145	Marathon Oil Co 1555 State St Westerville, OH	COUNTY: Franklin
	SPILL DATE: 120283 PRIORITY: Whenever Possible Convenient SPILL SIZE: Small SUBSTANCE: Gasoline AREA AFFECTED: Groundwater Or Subsurface Affect	
21062152	Marathon Oil Co Bonded Station On State St In Westerville Westerville, OH	COUNTY: Franklin
	SPILL DATE: 031783 PRIORITY: Whenever Possible Convenient SPILL SIZE: Small SUBSTANCE: Gasoline AREA AFFECTED: Land Or Land Surface Impact	
39021064488	Multiflow Inc 33 Hartford Ct Columbus, OH 43085-3114	COUNTY: Franklin
	SPILL DATE: 092085 PRIORITY: Whenever Possible Convenient SPILL SIZE: Small SUBSTANCE: Pop Syrup AREA AFFECTED: Land Or Land Surface Impact	
39021064811	No Spill Jim Gore Farm 5960 Tussic Rd Westerville, OH	COUNTY: Delaware
	SPILL DATE: 031792 PRIORITY: Whenever Possible Convenient SPILL SIZE: Unknown SUBSTANCE: No Spill AREA AFFECTED: Land Or Land Surface Impact	
39021065668	Oliver Trucking Company State And Plum Street Westerville, OH	COUNTY: Franklin
	SPILL DATE: 01/25/95 PRIORITY: Whenever Possible Convenient SPILL SIZE: Small SUBSTANCE: Raw Sewage AREA AFFECTED: Other Area	

S ID	FACILITY ADDRESS	COUNTY

SPILL DATE: 01/25/95 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Sewage
AREA AFFECTED: Other Area
SPILL DATE: 01/25/95 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Diesel Fuel
AREA AFFECTED: Other Area
SPILL DATE: 01/25/95 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Drums
AREA AFFECTED: Other Area

39021066009 Pepper Grove Nursery COUNTY: Franklin
8360 Sunbury Rd At Cross Creek Gardens
Westerville, OH

SPILL DATE: 06/05/96 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Pesticide Odor
AREA AFFECTED: Land Or Land Surface Impact
SPILL DATE: 06/05/96 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Gasoline
AREA AFFECTED: Land Or Land Surface Impact
SPILL DATE: 06/05/96 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Diesel Fuel
AREA AFFECTED: Land Or Land Surface Impact

39021067226 Rumpke Waste Inc COUNTY: Franklin
King Arthur St
Westerville, OH

SPILL DATE: 070693 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Oil
AREA AFFECTED: Post-88 Surface Water

39021067229 Rumpke Waste Inc COUNTY: Franklin
Whisper Wood Court (off Springtree Lane)
Westerville, OH

SPILL DATE: 090491 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Hydraulic Oil
AREA AFFECTED: Not Reported

39021067232 Rumpke Waste Services COUNTY: Franklin
Huber Village & State Street
Westerville, OH

SPILL DATE: 120293 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Hydraulic Oil
AREA AFFECTED: Land Or Land Surface Impact

39021067627 Shell Oil Co COUNTY: Franklin
3c - I-270
Westerville, OH

SPILL DATE: 041090 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Gasoline
AREA AFFECTED: Post-88 Surface Water

ERIIS ENVIRONMENTAL DATA REPORT
OHIO EMERGENCY RESPONSE DATABASE (EROS)
SPILLS - UNPLOTTABLE SITES

ERIIS Report #158943A Apr 11, 1997

ID	FACILITY ADDRESS	COUNTY

39021068075 Standard Oil Co
S State St N Of Huber Ridge Blvd
Westerville, OH
COUNTY: Franklin

SPILL DATE: 091884 PRIORITY: Respond Immediately
SPILL SIZE: Large SUBSTANCE: Gasoline
AREA AFFECTED: Groundwater Or Subsurface Affect

39021068079 Standard Oil Co
South State & West Park
Westerville, OH
COUNTY: Franklin

SPILL DATE: 120385 PRIORITY: Respond Asap During Normal Work Hours
SPILL SIZE: Unknown SUBSTANCE: Gasoline
AREA AFFECTED: Post-88 Surface Water

39021068084 Standard Oil Co
State & I270
Westerville, OH
COUNTY: Franklin

SPILL DATE: 080686 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Gasoline
AREA AFFECTED: Groundwater Or Subsurface Affect

39021069268 Unidentified; See Remarks
Storm Sewer Basin - Nw Corner Cherrington School Yard
Westerville, OH
COUNTY: Franklin

SPILL DATE: 06/23/96 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Oils
AREA AFFECTED: Post-88 Surface Water
SPILL DATE: 06/23/96 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Paints
AREA AFFECTED: Post-88 Surface Water
SPILL DATE: 06/23/96 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Gasoline
AREA AFFECTED: Post-88 Surface Water
SPILL DATE: 06/23/96 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Waste Motor Oil
AREA AFFECTED: Post-88 Surface Water

39021069645 Unk
Behind Bus Garage On Walnut
Westerville, OH
COUNTY: Franklin

SPILL DATE: 041090 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Unknown SUBSTANCE: Diesel Fuel
AREA AFFECTED: Post-88 Surface Water

070790 Unknown
3972 West Drop 36
Westerville, OH
COUNTY: Champaign

OC 010711

S ID	FACILITY ADDRESS	COUNTY

SPILL DATE: 030191 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Diesel Fuel
AREA AFFECTED: Land Or Land Surface Impact

39021070798 Unknown COUNTY: Franklin
40 Israel At Stonner Alley
Westerville, OH

SPILL DATE: 122692 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Unknown SUBSTANCE: Form Release Agent
AREA AFFECTED: Land Or Land Surface Impact

39021071003 Unknown COUNTY: Franklin
6436 Saddle Ct
Westerville, OH

SPILL DATE: 07/20/95 PRIORITY: No Emergency Response Unit
SPILL SIZE: Unknown SUBSTANCE: Foul Odor
AREA AFFECTED: Air
SPILL DATE: 07/20/95 PRIORITY: No Emergency Response Unit
SPILL SIZE: Unknown SUBSTANCE: Sulfur Dioxide
AREA AFFECTED: Air

?21071265 Unknown COUNTY: Franklin
Area Of East Ave.
Westerville, OH

SPILL DATE: 031690 PRIORITY: N/r
SPILL SIZE: Small SUBSTANCE: Diesel Fuel
AREA AFFECTED: Post-88 Surface Water

39021071324 Unknown COUNTY: Franklin
Behind Co. Homer Run Creek
Westerville, OH

SPILL DATE: 022890 PRIORITY: N/r
SPILL SIZE: N/r SUBSTANCE: Green Stuff
AREA AFFECTED: Post-88 Surface Water

39021071417 Unknown COUNTY: Franklin
Brooksedge Blvd Off Schrock
Westerville, OH

SPILL DATE: 04/28/95 PRIORITY: No Emergency Response Unit
SPILL SIZE: Small SUBSTANCE: Drums Cyanide Labels
AREA AFFECTED: Land Or Land Surface Impact
SPILL DATE: 04/28/95 PRIORITY: No Emergency Response Unit
SPILL SIZE: Small SUBSTANCE: Gasoline
AREA AFFECTED: Land Or Land Surface Impact

?72993 Unknown COUNTY: Franklin
S Of Low Head Dam On Main St & N Of Shrock Rd
Westerville, OH

S ID	FACILITY ADDRESS	COUNTY

SPILL DATE: 081192 PRIORITY: Respond Asap During Normal Work Hours
SPILL SIZE: Unknown SUBSTANCE: Oil
AREA AFFECTED: Post-88 Surface Water

39021073685 Unknown COUNTY: Franklin
W Schrock Rd
Westerville, OH

SPILL DATE: 062493 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Small SUBSTANCE: Gasoline
AREA AFFECTED: Not Reported

39021074333 Wasterville Service Dept COUNTY: Franklin
Oakhill Dr From Point View To Dead End St
Westerville, OH

SPILL DATE: 09/16/96 PRIORITY: No Emergency Response Unit
SPILL SIZE: Unknown SUBSTANCE: Diesel Fuel
AREA AFFECTED: Post-88 Surface Water
SPILL DATE: 09/16/96 PRIORITY: No Emergency Response Unit
SPILL SIZE: Unknown SUBSTANCE: Sulfur Dioxide
AREA AFFECTED: Post-88 Surface Water
SPILL DATE: 09/16/96 PRIORITY: No Emergency Response Unit
SPILL SIZE: Unknown SUBSTANCE: Boil Alert
AREA AFFECTED: Post-88 Surface Water

---

3 1074451 Westerville COUNTY: Franklin
Nottingham Crt
Westerville, OH

SPILL DATE: 07/18/96 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Unknown SUBSTANCE: Sewage
AREA AFFECTED: Post-88 Surface Water
SPILL DATE: 07/18/96 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Unknown SUBSTANCE: Gasoline
AREA AFFECTED: Post-88 Surface Water
SPILL DATE: 07/18/96 PRIORITY: Whenever Possible Convenient
SPILL SIZE: Unknown SUBSTANCE: Boil Alert
AREA AFFECTED: Post-88 Surface Water

39021074452 Westerville City Of COUNTY: Franklin
Drinking Water Plant
Westerville, OH

SPILL DATE: 09/12/96 PRIORITY: No Emergency Response Unit
SPILL SIZE: Unknown SUBSTANCE: Oil Based Ink
AREA AFFECTED: Other Area
SPILL DATE: 09/12/96 PRIORITY: No Emergency Response Unit
SPILL SIZE: Unknown SUBSTANCE: Latex Paint
AREA AFFECTED: Other Area
SPILL DATE: 09/12/96 PRIORITY: No Emergency Response Unit
SPILL SIZE: Unknown SUBSTANCE: Drinking Water
AREA AFFECTED: Other Area

---

3 J74453 Westerville Service Department COUNTY: Franklin
W. Walnut
Westerville, OH

OC 010713

ERIIS ENVIRONMENTAL DATA REPORT
OHIO EMERGENCY RESPONSE DATABASE (EROS)
SPILLS - UNPLOTTABLE SITES

ERIIS Report #158943A Apr 11, 1997

S ID	FACILITY ADDRESS	COUNTY
	SPILL DATE: 061890 PRIORITY: Whenever Possible Convenient SPILL SIZE: Small SUBSTANCE: Mineral Oil AREA AFFECTED: Not Reported	
39021074454	Westerville Service Dept Alum Creek Westerville, OH	COUNTY: Franklin
	SPILL DATE: 111389 PRIORITY: Whenever Possible Convenient SPILL SIZE: Unknown SUBSTANCE: Paint AREA AFFECTED: Post-88 Surface Water	
39021074455	Westerville Service Dept Tammar Lane & Eastwood Dr Westerville, OH	COUNTY: Franklin
	SPILL DATE: 09/06/96 PRIORITY: No Emergency Response Unit SPILL SIZE: Unknown SUBSTANCE: Waste Water AREA AFFECTED: Post-88 Surface Water SPILL DATE: 09/06/96 PRIORITY: No Emergency Response Unit SPILL SIZE: Unknown SUBSTANCE: Waste Water AREA AFFECTED: Post-88 Surface Water SPILL DATE: 09/06/96 PRIORITY: No Emergency Response Unit SPILL SIZE: Unknown SUBSTANCE: Boil-alert AREA AFFECTED: Post-88 Surface Water	
39021074456	Westerville Street Department Alum Creek Park Westerville, OH	COUNTY: Franklin
	SPILL DATE: 062090 PRIORITY: Whenever Possible Convenient SPILL SIZE: Unknown SUBSTANCE: Paving Tar AREA AFFECTED: Land Or Land Surface Impact	
39021074457	Westerville Water Dept Monroe Lane Westerville, OH	COUNTY: Franklin
	SPILL DATE: 07/25/96 PRIORITY: Whenever Possible Convenient SPILL SIZE: Unknown SUBSTANCE: Brine AREA AFFECTED: Post-88 Surface Water SPILL DATE: 07/25/96 PRIORITY: Whenever Possible Convenient SPILL SIZE: Unknown SUBSTANCE: Fuel Oil AREA AFFECTED: Post-88 Surface Water SPILL DATE: 07/25/96 PRIORITY: Whenever Possible Convenient SPILL SIZE: Unknown SUBSTANCE: Boil Alert AREA AFFECTED: Post-88 Surface Water	

ERIIS LIST OF STREETS IN THE RADIUS

ERIIS Report #158943A Apr 11, 1997

STREET NAME
6 PENCE CIR
= PEACH ST
ABINGTON CT
ACORN CT
AINSLEY
AMESBURY CT
AMY LU CT
ANDREW AVE
APACHE ST
APPLE ST
ASH CT
ASHFORD DR
AYLESBURY DR S
BABBINGTON CT
BALD EAGLE CT
BALDWIN CT
BARRINGTON CT
BELLE HAVEN CT
BELLE HAVEN PKY
BERNADINE CT
BIG ROCK CT
BIRCH ST
BITTERNUT LANE
BLACK JACK AVE
BLACKGUM WAY
BLACKOAK CIR
BLENDON DR
BLUE HERON DR
BLUE SAIL DR
BOBBY LANE
BREAKERS CT
BROAD ST
E BROADWAY ST
W BROADWAY ST
BROOKSTONE BLVD
BRULE CT
BRYAN DR
BUCKEYE ST
BURNS DR N
CANTERBURY CT
CAROUSEL CT
CASTILE LANE
CATAWBA CT
CAVENWAY PL
CHANDLER DR
CHARLES ROAD
CHARTERHOUSE CT
CHELSEA LANE
CHERTSEY CT
CHESTNUT AVE
CHEYENNE DR
CIRCLE CT
COBBLESTONE AVE
COLLEGE CT
E COLLEGE AVE
COLLINGWOOD DR
CORBIN CT
CORNHILL CT
COSS CIR
COUNTY LINE ROAD
COVENTRY CT
CRAWFORD CT
CYRPRESS DR
DANIEL DR
DAVID SQ
DAY CT
DEBBIE DR
DEER TRL
DELAWARE DR
DIRECTORS CT
DOLLY CT
DONMAC DR
DUNCAN GLEN DR
DUNCANS GLEN DR

ERIIS LIST OF STREETS IN THE RADIUS

ERIIS Report #158943A Apr 11, 1997

STREET NAME
EASTWOOD AVE
EDILYN CT
ELCLIFF DR
ELECTRIC AVE
ELM CT
EXECUTIVE CT
FAIRLAWN CT
FARRINGTON DR
FARTHING DR
FAWN CT
FERNDALE PL
FLOUR CT
FOGLE CT
FRANKLIN AVE
FREEMAN ROAD
FROST DR
GARRETT CT
GEMSTONE SQ W
GERWIG CT
GLADALE AVE
GRANGEFIELD CT
GRINDSTONE ROAD
GRIST RUN DR
HAMILTON AVE
HARBOR VIEW DR
HARROGATE LOOP N
HARTFORDSHIRE LANE
HASTINGS CT
HAVENDALE DR
HAWTHORNE PT
HELENHURST CT
HEMPSTEAD CT
N HEMPSTEAD ROAD
S HEMPSTEAD ROAD
HEMSTEAD ROAD
HIDDEN COVE CT
HIGH TIMBER DR
HILLCREST DR
HILMAR CT
E HOME ST
W HOME ST
HOOVERVIEW DR
INTEK WAY
ISRAEL ST
JACQUELIN CT
JUIPER
JUNIPER AVE
KAREN CT
KEETHLER DR N
KENMORE CT
KIENLE AVE
KIM CT W
KIMOTHY DR
KINGFISHER CT
KNEBWORTH CT
KNOLL DR
KRISTIN CT
LAKE DR
LAKE HARBOR CT
LAKE OF THE WOODS PT
LAKELAND DR
LANDINGS LOOP W
LANETTA LANE
LAUREEN CT
LAWRENCE ROAD
LEGACY DR
LEIGHTON CT
LINABARY AVE
E LINCOLN ST
W LINCOLN ST
LINCREST DR
LLEWELLYN AVE
LOCUST CT
LOGAN AVE

ERIIS LIST OF STREETS IN THE RADIUS

ERIIS Report #158943A Apr 11, 1997

STREET NAME
LUKE CT
LYNDALE DR
N LYNDALE DR
LYNETTE PL S
E MAIN ST
MAINSAIL ST
MALLARD DR
MANITOU DR
MARIE LOU DR
MARJORIE CT
MARK PL
MARLENE DR
MARY AVE
MASSEY DR
MATTHEW CT
MAXTOWN ROAD
MELINDA DR
MICHAEL AVE
MIKE CT
MILLSTONE SQ
MINGO LANE
MONROE LANE
MOSS ROAD
MOSSMAN AVE
MULBERRY WAY W
MURNANE ST
MYRTLE DR
N NADINE PL
S NADINE PL
NARRAGANSET DR
NICOLE DR
NOTTINGHAM CT
OAK SHADOW DR
OAKWOOD PT
S OLD 3C HWY
OLD COUNTY LINE ROAD
S OLD HWY 3C
OLDE MILL DR
ONEIDA AVE
ORCHARD LANE
OTTAWA AVE
N OTTERBEIN AVE
S OTTERBEIN AVE
PADDLEWHEEL DR
E PARK ST
PARKMOOR DR
PATRICIA ANN LANE
PATTI CT
PAUL ROAD
PAWNEE DR
PEPPER CT
PERKINS LANE
PLEASANT AVE
E PLUM ST
POTAWATOMI DR
POTOMAC CT
PRINCE WILLIAM LANE
PUDDINGTON CT
QUINCE CT
REBECCA AVE
RED BANK ROAD
REDSAIL CT
RICHERT CT
RIDGE LAKE CT
ROBINHOOD CIR
ROBINWOOD CIR
ROCKBOURNE DR
ROSE CT
RUCKMOOR DR
SAINT ANDREWS DR
SANDSTONE LOOP
SASAFRAS WAY
SCOTTSDALE CT
SHAGBARK DR

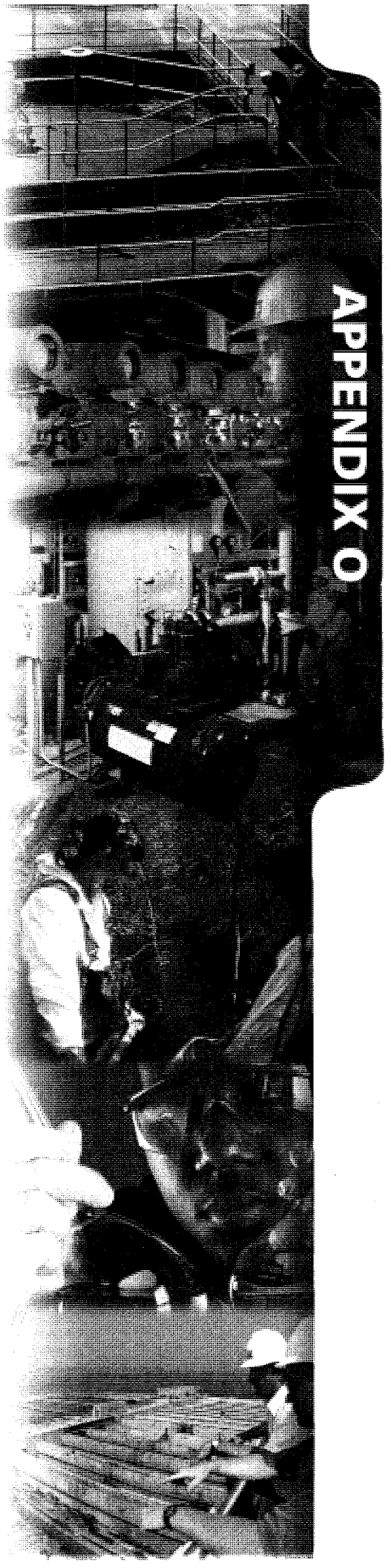
ERIIS LIST OF STREETS IN THE RADIUS

ERIIS Report #158943A Apr 11, 1997

STREET NAME

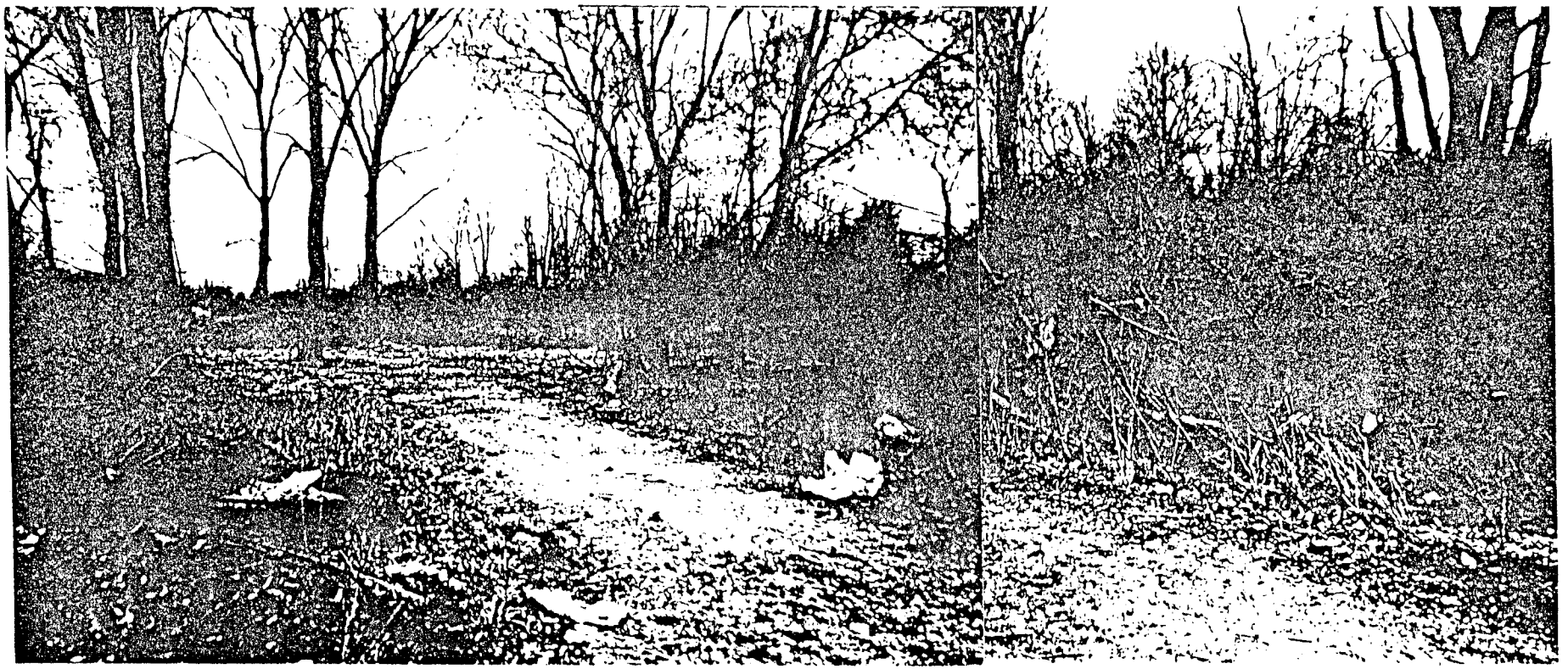
SIOUX DR
SKPYGLASS CT
SMILEY CT
SMOTHERS ROAD
SOMERTON DR
SPRING CREEK DR
SPRING VALLEY ROAD
SPRINGHURST CT
N SPRING ROAD
S SPRING ROAD
SPRINGTREE LANE
SPRUCE LANE
STATE HWY 3
STATE ROUTE 3
N STATE ST
STEFFAN CT
STERLING CT
STERLING GLEN DR
SUGAR CT
SUGARBERRY CT
SUGARMAPLE CT
N SUMMIT ST
S SUMMIT ST
SUNBURY ROAD
SUNBURY LAKE DR
SUSAN AVE
SWEETGUM WAY
TAMI SUE CT
TAMMERLANE CT
THIRLWALL CT
TUSSIC ST
N VINE ST
S VINE ST
WALLEAN DR
WALNUT HALL DR
WALNUT RIDGE LANE
WALNUT VALLEY DR S
E WALNUT ST
WALSINGHAM CT
WAXWING CT
WEATHERED OAK CT
WEATHERWOOD CT
WEDGEWOOD CT
WEYANT ST
WHISPERWOOD CT
WHITE OAK LANE
N WHITEHEAD ST
S WHITEHEAD ST
WILDER CT
WINDHAM AVE
WINDSTAR DR
E WINTER ST
WOOD ST
WOODLAWN AVE
WREN AVE

APPENDIX O



APPENDIX O

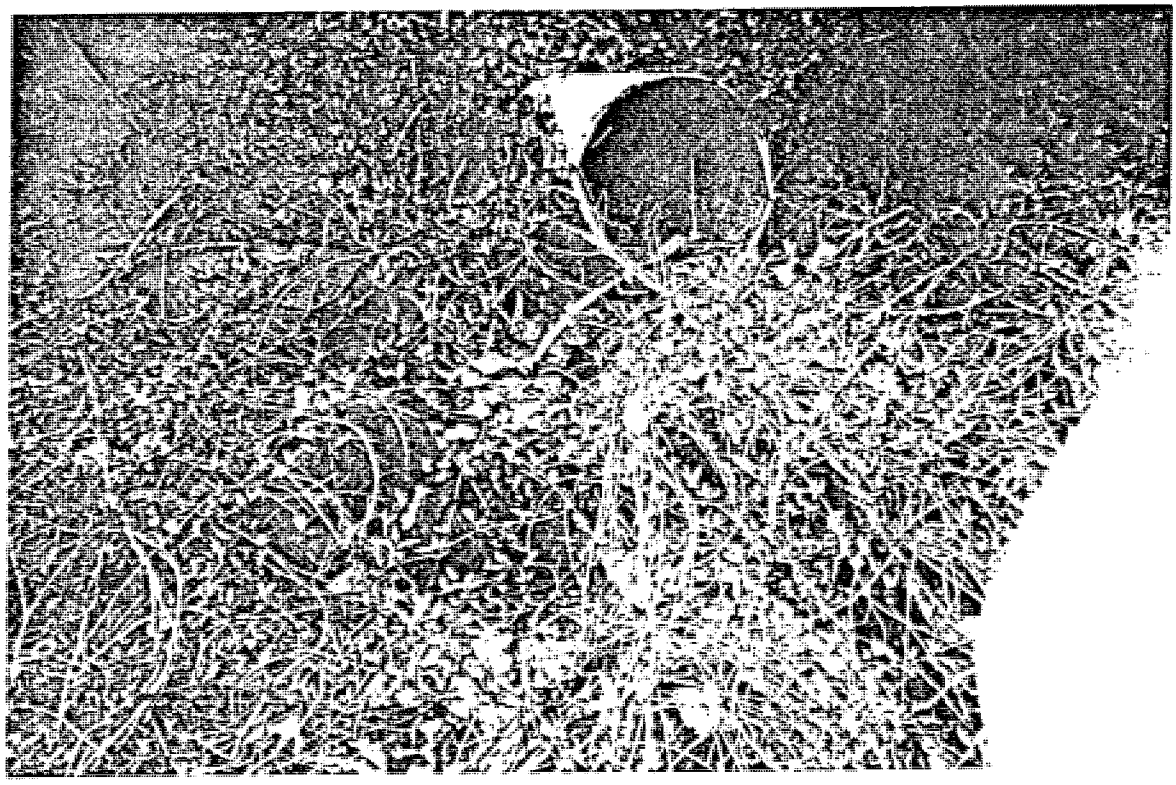
Photographic Log



Photograph 1: Location of the Former Experimental Area. Typical examples of scrap metal and brush piles are shown.

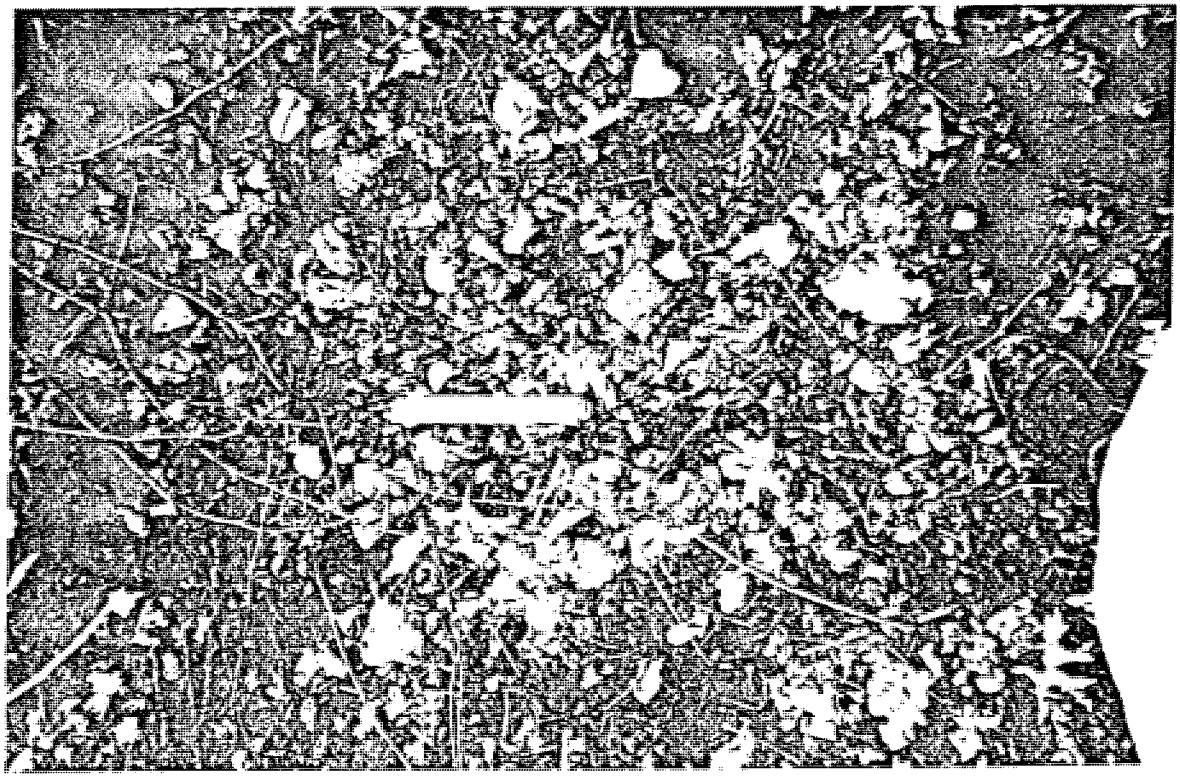
OC 010721

Photograph 2: Abandoned drums located west of the Former Experimental Area.

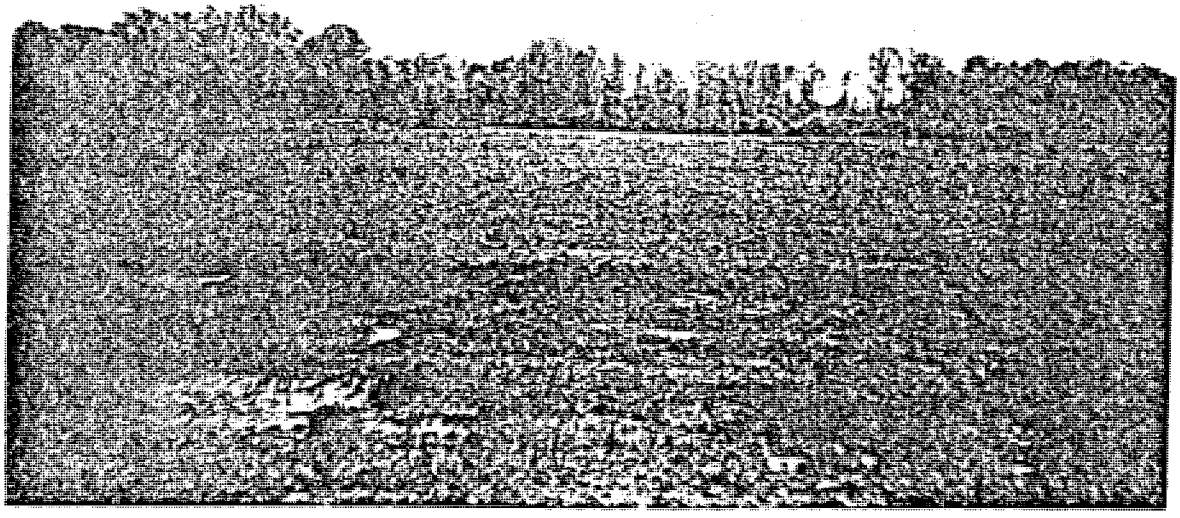


Photograph 3: Empty five gallon buckets located just east of the Former Experimental Area.

Photograph 4: Typical solid waste observed in the vicinity of the Former Manufacturing Area.



Photograph 5: Flare casing observed along the drainage ditch west of the Former Manufacturing Area.



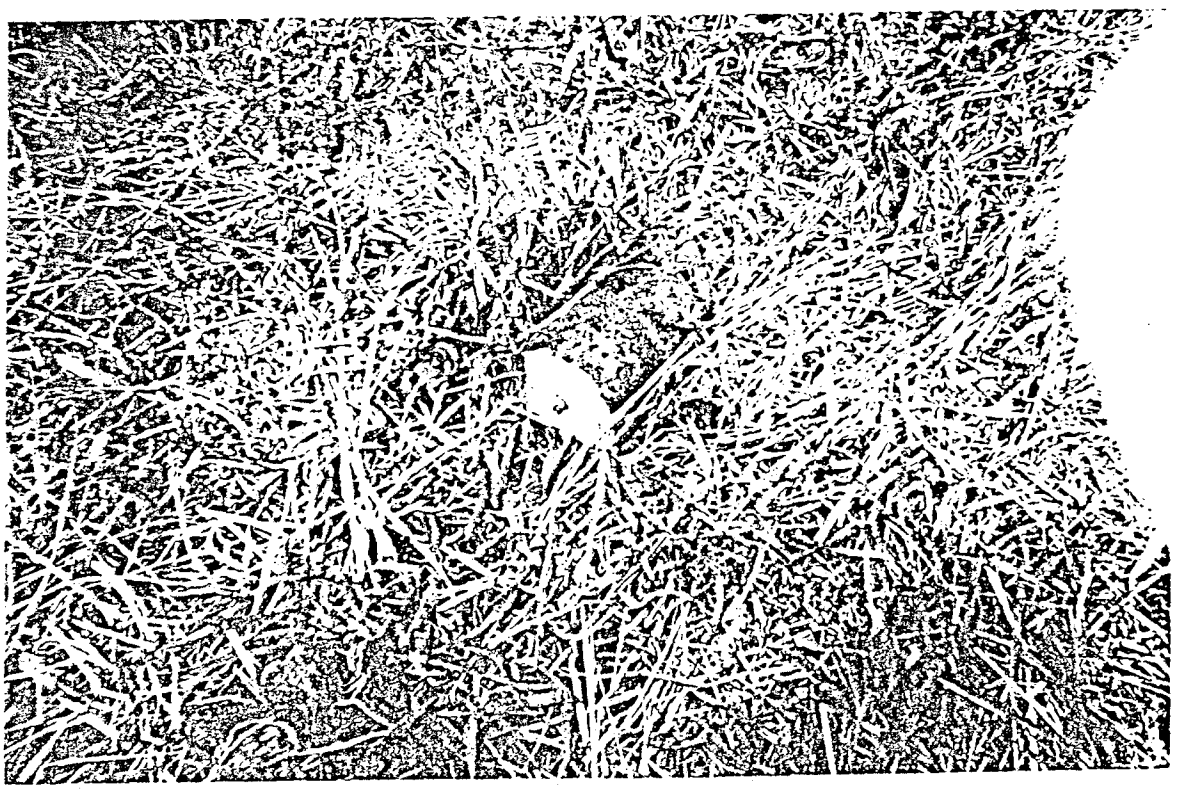
Photograph 6: View of the Former Quonset Hut Storage Area.

Photograph 7: View of the empty flare casing and black cap located along the western edge of the Quonset Hut Area.

Photograph 9: View of the area. referred to as the Burn Pit Area. Note: The actual Burn Pit is located tot he right of the small clump of trees on the left side of the photograph.

Photograph 10: Empty drums located among the trees near the eastern property line in the Burn Pit Area.

Photograph 12: Cinders on the ground surface at the location of the Burn Pit.

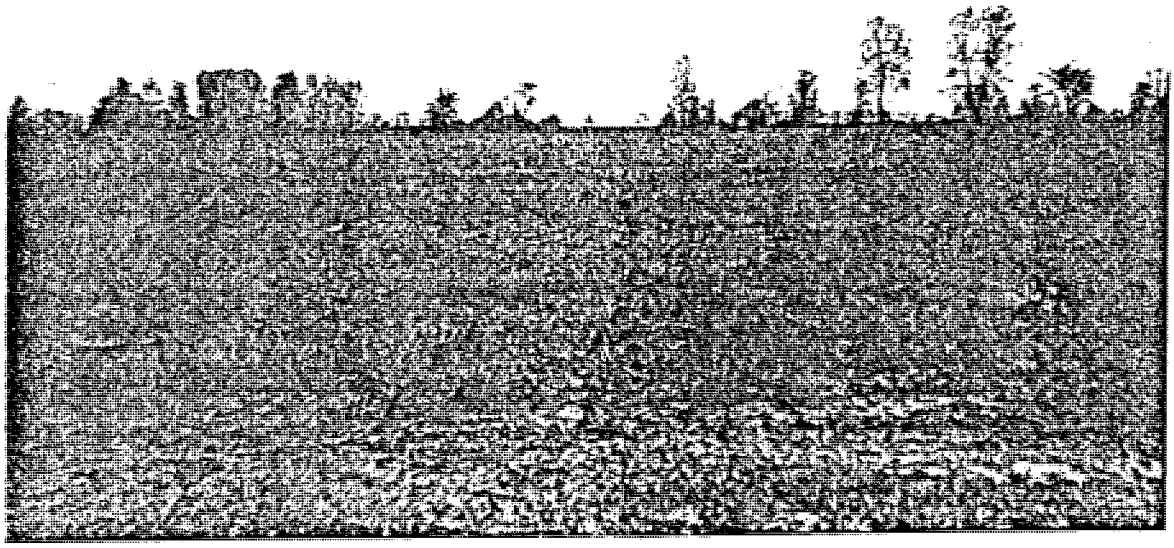


Photograph 13: Single flare casing on the ground surface observed in the Burn Pit Area.

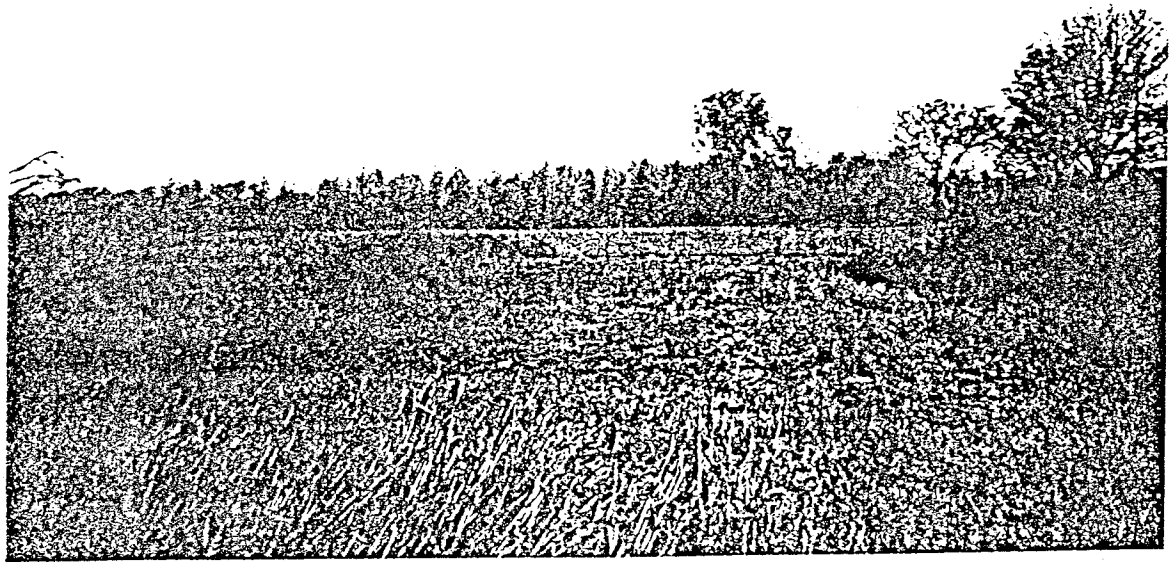
Photograph 17: Monitoring well located in the Burial Trench Area.

Photograph 18: View of farmed area of the property. Note: The Kilgore house was located among the trees in the background of the photograph. Photograph view is to the north.

OC 010727



Photograph 19: Farmed area of the Kilgore Property. Photograph view to the south.



Photograph 20: Farmed area of the Kilgore Property. Photograph view is to the east. The wooded area in the background is the former location of the Experimental Area and the Manufacturing Area.

Metcalf & Eddy
An Air & Water Technologies Company

AFFIDAVIT

State of Ohio)
) SS
County of Franklin)

Before me, a Notary Public in and for said state, personally appeared Steven R. Sawyer, being by me duly sworn (or affirmed) dispose and says that:

1. I am Steven R. Sawyer, Construction Services Project Manager with Lawhon and Associates;

2. I am over 18 years of age and am competent to testify;

3. I have never owned property in Delaware County located at 800 Tussic Road, nor have I been employed by, affiliated with, or related to Otterbein University;

4. I directed and managed the excavation and removal of subsurface water lines at the former Kilgore Farm Manufacturing Facility in 1996 at the request of the Keethler Company. During the excavation of the water lines, I did not observe any buried wastes or evidence of subsurface contamination or migration.

Further affiant sayeth naught.

Steven R. Sawyer
Affiant

Sworn to (or affirmed) before me and signed in my presence this 15th Day of May, 1998.

Michele Glinsky
Notary Public

MICHELE GLINSKY
NOTARY PUBLIC, STATE OF OHIO
MY COMMISSION EXPIRES SEPT. 29, 1999

My Commission Expires _____