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915114

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BUREAU OF HAZARDOUS SITE CONTROL
DIVISION OF SOLID AND
HAZARDOUS WASTE POTENTIAL HAZARDOUS WASTE SITE

PRELIMINARY ASSESSMENT

Clarence Redi-Mix
Site Name

NYD008915506
EPA Site ID Number

Ransom and Stage Roads
Clarence, New York
Address

02-8601-13
TDD Number

Date of Site Visit: Off site reconnaissance 2/26/86

SITE DESCRIPTION

This site is now called Clarence Materials and is comprised of two sections. One section is north of Stage Road and consists of a stone and gravel pit and the operations buildings. This site was observed during an off site reconnaissance and there was no indication that hazardous waste was dumped there. The gravel operations appeared to be active at time of reconnaissance.

The other section of this site is south of Stage Road and it has been alleged that trash and miscellaneous debris were dumped there. Based on background information, there is no indication that hazardous waste was dumped on this section. It is now closed and covered with vegetation. This section was not observed during off site reconnaissance.

According to the Clarence Redi-Mix report prepared by the Erie County Department of Environment and Planning on 12/84, polychlorinated biphenyls (PCBs) were detected in one sample from USGS well #81-4 which slightly exceeded the 0.1 microgram/liter standard. This well is near the site at the corner of Ransom and Stage Roads. Phenols with values above the groundwater standard of .001 mg/l were found as were low levels of pesticides. The above mentioned report recommends periodic sampling of well #81-4 to monitor the quality of groundwater.

PRIORITY FOR FURTHER ACTION: HIGH MEDIUM X LOW NONE
RECOMMENDATIONS

A site inspection and sampling is recommended for this site to determine characteristics of illegally dumped waste.

Prepared by: Dennis Sutton
of NUS Corporation

Date: 3/12/86

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 1 - SITE LOCATION AND INSPECTION INFORMATION

IDENTIFICATION
01 STATE 02 SITE NUMBER
NY 0008915506

II. SITE NAME AND LOCATION

01 SITE NAME (Legal, common, or descriptive name of site) 02 STREET, ROUTE NO., OR SPECIFIC LOCATION IDENTIFIER
Clarence Redi-Mix Ransom & Stage Roads
03 CITY 04 STATE 05 ZIP CODE 06 COUNTY 07 COUNTY 08 CONG. DIST.
Clarence NY 14031 Erie CODE 029 38
09 COORDINATES
LATITUDE LONGITUDE
4 2 5 8 2 0 N 7 8 3 5 3 0 W

10 DIRECTIONS TO SITE (Starting from nearest public road)

Northeast and southeast corners of intersection of Ransom and Stage Roads in Clarence, New York.

III. RESPONSIBLE PARTIES

01 OWNER (if known) 02 STREET (Business, mailing, residential)
Paul A. Schmidt Wehrle Drive
03 CITY 04 STATE 05 ZIP CODE 06 TELEPHONE NUMBER
Williamsville NY (716) 729-8331
07 OPERATOR (if known and different from owner) 08 STREET (Business, mailing, residential)
Clarence Redi Mix Ransom & Stage Roads
09 CITY 10 STATE 11 ZIP CODE 12 TELEPHONE NUMBER
Clarence NY 14301 (716) 632-2000
13 TYPE OF OWNERSHIP (Check one)
 A. PRIVATE B. FEDERAL: (Agency name) C. STATE D. COUNTY E. MUNICIPAL
 F. OTHER: (Specify) G. UNKNOWN

14. OWNER/OPERATOR NOTIFICATION ON FILE (Check all that apply)

A. RCRA 3001 DATE RECEIVED: / / B. UNCONTROLLED WASTE SITE (CERCLA 103 c) DATE RECEIVED: / /
 C. NONE

IV. CHARACTERIZATION OF POTENTIAL HAZARD

01 ON SITE INSPECTION BY (Check all that apply)
 YES DATE: 12 / 24 / 84 A. EPA B. EPA CONTRACTOR C. STATE D. OTHER CONTRACTOR
 NO E. LOCAL HEALTH OFFICIAL F. OTHER: 7/85 Erie Co. Dept. of Health
CONTRACTOR NAME(S): (Specify) NYS DEC

02 SITE STATUS (Check one)

A. ACTIVE B. INACTIVE* C. UNKNOWN
03 YEARS OF OPERATION
1970 1978 UNKNOWN
BEGINNING ENDING

04 DESCRIPTION OF SUBSTANCES POSSIBLY PRESENT, KNOWN, OR ALLEGED

Trash, tires, road-side debris. It is stated on the Hazardous Waste Site ID form that is not known if hazardous waste was dumped on site.

05 DESCRIPTION OF POTENTIAL HAZARD TO ENVIRONMENT AND/OR POPULATION

Results of sampling off USGS well #81-4 indicate presence of PCB's, phenols, and pesticides between 11/81 and 6/83. Potential hazard if groundwater migrates to local water supply wells. The PCB's and phenols were slightly above established groundwater levels.

IV. PRIORITY ASSESSMENT

01 PRIORITY FOR INSPECTION (Check one. If high or medium is checked, complete Part 2 - Waste information and Part 3 - Description of Hazardous Conditions and Incidents)
 A. HIGH (Inspection required promptly) B. MEDIUM (Inspection required) C. LOW (Inspection on time available basis) D. NONE
(No further action needed, complete current disposition form)

VI. INFORMATION AVAILABLE FROM

01 CONTACT 02 OF (Agency/Organization) 03 TELEPHONE NUMBER
Diana Messina U.S. EPA Region II Edison, NJ (201) 321-6685
04 PERSON RESPONSIBLE FOR ASSESSMENT 05 AGENCY 06 ORGANIZATION 07 TELEPHONE NUMBER 08 DATE
Dennis Sutton NUS FIT II (201) 225-6160 3 / 12 / 86

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 2 - WASTE INFORMATION

1. IDENTIFICATION
01 STATE 02 SITE NUMBER
NY D008915506

II. WASTE STATES, QUANTITIES, AND CHARACTERISTICS

01 PHYSICAL STATES (Check all that apply)		02 WASTE QUANTITY AT SITE	03 WASTE CHARACTERISTICS (Check all that apply)		
<input checked="" type="checkbox"/> A. SOLID	<input type="checkbox"/> E. SLURRY	(Measures of waste quantities must be independent)	<input checked="" type="checkbox"/> A. TOXIC	<input type="checkbox"/> E. SOLUBLE	<input type="checkbox"/> I. HIGHLY VOLATILE
<input type="checkbox"/> B. POWDER, FINES	<input type="checkbox"/> F. LIQUID		<input type="checkbox"/> B. CORROSIVE	<input type="checkbox"/> F. INFECTIOUS	<input type="checkbox"/> J. EXPLOSIVE
<input type="checkbox"/> C. SLUDGE	<input type="checkbox"/> G. GAS		<input type="checkbox"/> C. RADIOACTIVE	<input type="checkbox"/> G. FLAMMABLE	<input type="checkbox"/> K. REACTIVE
<input type="checkbox"/> D. OTHER: _____ (Specify)			<input type="checkbox"/> D. PERSISTENT	<input type="checkbox"/> H. IGNITABLE	<input type="checkbox"/> L. INCOMPATIBLE
		TONS Unknown			<input type="checkbox"/> M. NOT APPLICABLE
		CUBIC YARDS Unknown			
		NO. OF DRUMS Unknown			

III. WASTE TYPE

CATEGORY	SUBSTANCE NAME	01 GROSS AMOUNT	02 UNIT OF MEASURE	03 COMMENTS
SLU	SLUDGE			
OLW	OILY WASTE			
SOL	SOLVENTS			
PSD	PESTICIDES			
OCC	OTHER ORGANIC CHEMICALS			
IOC	INORGANIC CHEMICALS			
ACD	ACIDS			
BAS	BASES			
MES	HEAVY METALS			

IV. HAZARDOUS SUBSTANCES (See Appendix for most frequently cited CAS Numbers)

CATEGORY	02 SUBSTANCE NAME	03 CAS NUMBER	04 STORAGE/DISPOSAL METHOD	05 CONCENTRATION	06 MEASURE OF CONCENTRATION
	Unknown		Unknown		

V. FEEDSTOCKS (See Appendix for CAS Numbers)

CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER	CATEGORY	01 FEEDSTOCK NAME	02 CAS NUMBER
FDS			FDS		
FDS			FDS		
FDS			FDS		
FDS			FDS		

VI. SOURCES OF INFORMATION (See specific references, e.g., state files, sample analysis, reports)

NY Department of Environment and Planning report on Clarence Redi-Mix, prepared 12/84.
USGS Topographical Map, Clarence, New York Quad.
Off-site reconnaissance of Clarence Redi-Mix conducted by NUS Corporation on 2/26/86.

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

1. IDENTIFICATION
01 STATE 02 SITE NUMBER
NY D008915506

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 X A. GROUNDWATER CONTAMINATION 02 OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: Unknown 04 NARRATIVE DESCRIPTION

Potential exists for contaminants to migrate to local groundwater supply.

01 X B. SURFACE WATER CONTAMINATION 02 OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: Unknown 04 NARRATIVE DESCRIPTION

Potential for surface water contamination from runoff and if groundwater migrates to surface water bodies. The site is less than 1/4 mile from Ransom Creek and approximately 1/2 mile from Cedar Swamp.

01 C. CONTAMINATION OF AIR 02 OBSERVED (DATE: _____) _ POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

No potential for air contamination suspected at this time.

01 D. FIRE/EXPLOSIVE CONDITIONS 02 OBSERVED (DATE: _____) _ POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

No potential for fire/explosive conditions suspected at this time.

01 X E. DIRECT CONTACT 02 OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

There is low potential for direct contact, site is covered but is not fenced.

01 X F. CONTAMINATION OF SOIL 02 OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
03 AREA POTENTIALLY AFFECTED: Unknown (ACRES) 04 NARRATIVE DESCRIPTION

There is potential for soil contamination since the site is not lined. Contamination is confined to areas of dumping.

01 X G. DRINKING WATER CONTAMINATION 02 OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: Unknown 04 NARRATIVE DESCRIPTION

Low potential exists, drinking water taken from Niagara River.

01 H. WORKER EXPOSURE/INJURY 02 OBSERVED (DATE: _____) _ POTENTIAL _ ALLEGED
03 WORKERS POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

No potential for worker exposure/injury, section of site in question is inactive.

01 X I. POPULATION EXPOSURE/INJURY 02 OBSERVED (DATE: _____) X POTENTIAL _ ALLEGED
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

Low potential exists if potentially contaminated groundwater migrates to private wells.

POTENTIAL HAZARDOUS WASTE SITE
PRELIMINARY ASSESSMENT
PART 3 - DESCRIPTION OF HAZARDOUS CONDITIONS AND INCIDENTS

I. IDENTIFICATION
01 STATE 02 SITE NUMBER
NY 0008915506

II. HAZARDOUS CONDITIONS AND INCIDENTS

01 J. DAMAGE TO FLORA 02 _ OBSERVED (DATE: _____) POTENTIAL _ ALLEGED
04 NARRATIVE DESCRIPTION

Low potential exists, however no areas of stressed vegetation were observed.

01 K. DAMAGE TO FAUNA 02 _ OBSERVED (DATE: _____) POTENTIAL _ ALLEGED
04 NARRATIVE DESCRIPTION (Include name(s) of species)

Potential exists if surface water is contaminated. The site is located in a rural area near streams and swamps.

01 _ L. CONTAMINATION OF FOOD CHAIN 02 _ OBSERVED (DATE: _____) _ POTENTIAL _ ALLEGED
04 NARRATIVE DESCRIPTION

No known potential at this time.

01 M. UNSTABLE CONTAINMENT OF WASTES 02 _ OBSERVED (DATE: _____) POTENTIAL _ ALLEGED
(Spills/runoff/standing liquids/leaking drums)
03 POPULATION POTENTIALLY AFFECTED: _____ 04 NARRATIVE DESCRIPTION

Potential exists since site is not lined and no known drainage system implemented.

01 N. DAMAGE TO OFFSITE PROPERTY 02 _ OBSERVED (DATE: _____) POTENTIAL _ ALLEGED
04 NARRATIVE DESCRIPTION

Potential exists from contaminated groundwater. Groundwater flow is in the direction of several sinkholes and an unprotected marshy area.

01 O. CONTAMINATION OF SEWERS, STORM DRAINS, WWTPs 02 _ OBSERVED (DATE: _____) POTENTIAL _ ALLEGED
04 NARRATIVE DESCRIPTION

Low potential exists for contaminated runoff or groundwater to reach sewers, storm drains and WWTPs.

01 P. ILLEGAL/UNAUTHORIZED DUMPING 02 _ OBSERVED (DATE: _____) _ POTENTIAL ALLEGED
04 NARRATIVE DESCRIPTION

Illegal dumping of tires, trash, road side debris reported 12/78 - Erie County Department of Environment and Planning Report on Clarence Redi-Mix 12/84. The Potential Hazardous Waste site ID form states that it is unknown whether or not hazardous waste was dumped on site.

05 DESCRIPTION OF ANY OTHER KNOWN, POTENTIAL, OR ALLEGED HAZARDS

Sampling of USGS well #81-4 indicated slightly elevated levels for PCB's, phenols and nontoxic levels for pesticides.

III. TOTAL POPULATION POTENTIALLY AFFECTED: _____ Unknown

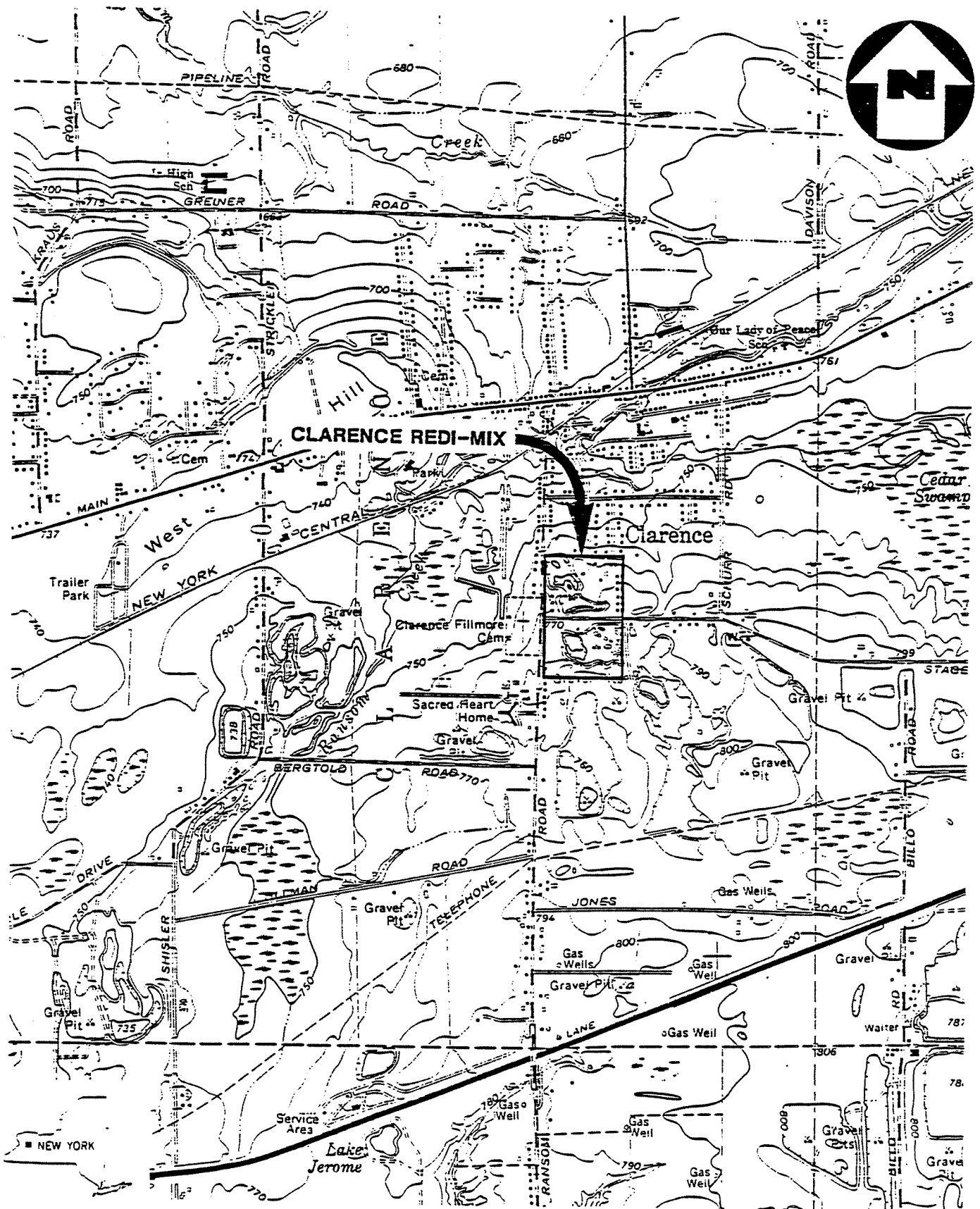
IV. COMMENTS

*Site in question is closed and inactive but is adjacent to an active quarry operation owned by Redi-Mix.

V. SOURCES OF INFORMATION (Cite specific references. e.g., state files, sample analysis, reports)

Erie County Department of Environment and Planning report on Clarence Redi-Mix Ransom and Stage Roads, Clarence, New York
USGS Topographical Map Clarence, New York Quad.
Logbook of off site reconnaissance of Clarence Redi-Mix conducted by Region II FIT, 2/26/86

APPENDIX A
MAPS AND PHOTOS



(QUAD) CLARENCE, N.Y.

SITE LOCATION MAP
CLARENCE REDI-MIX, CLARENCE, N.Y.

SCALE: 1"=2000'

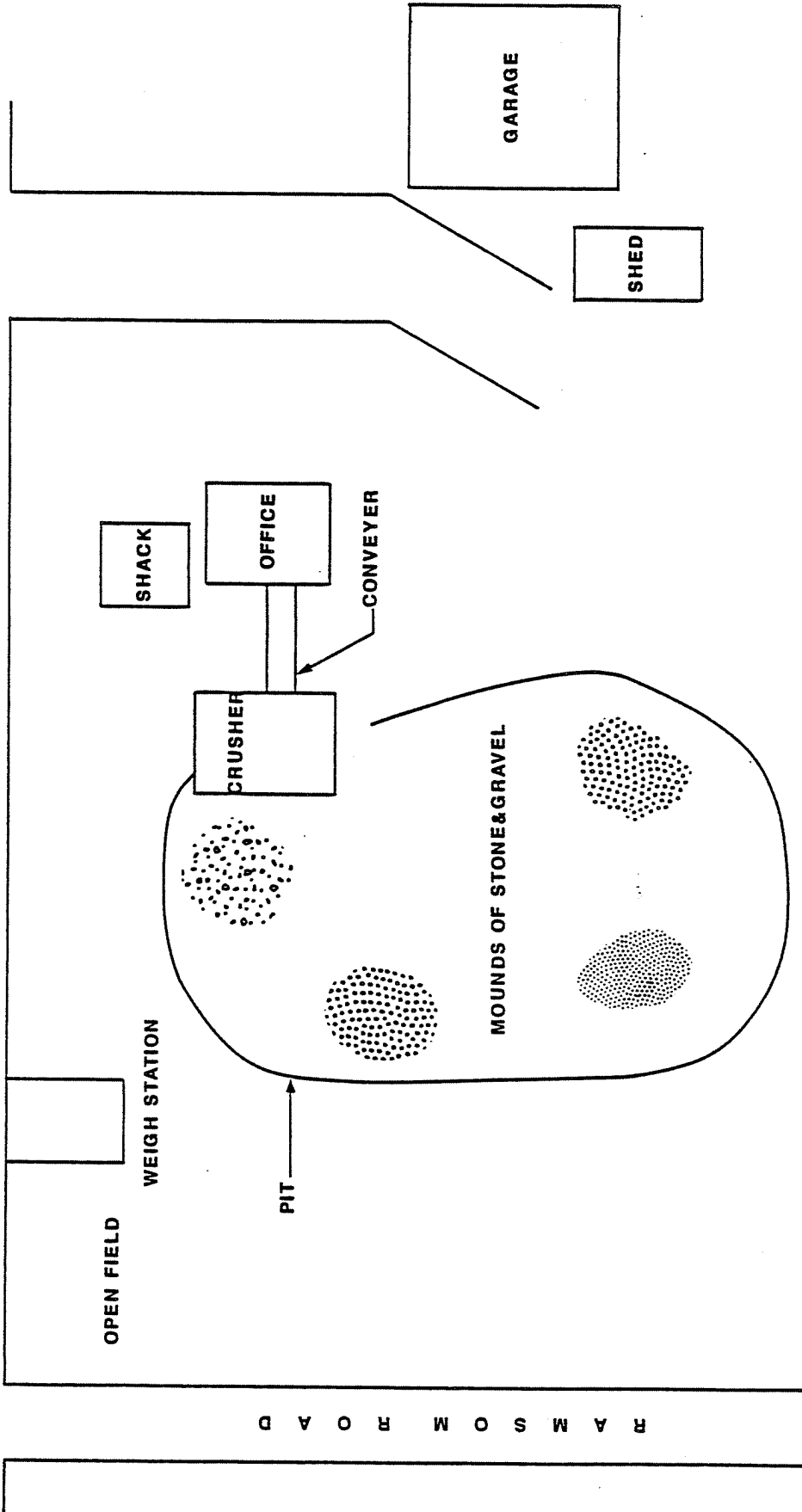
FIGURE 1



A Halliburton Company



S T A G E R O A D



R A M S O M R O A D

SITE MAP
CLARENCE REDI MIX, CLARENCE, N.Y.
(NOT TO SCALE)

CLARENCE REDI-MIX
CLARENCE, NEW YORK
TDD# 02-8601-13
FEBRUARY 26, 1986

PHOTOGRAPH INDEX

CLARENCE REDI-MIX
CLARENCE, NEW YORK
TDD# 02-8601-13
FEBRUARY 26, 1986

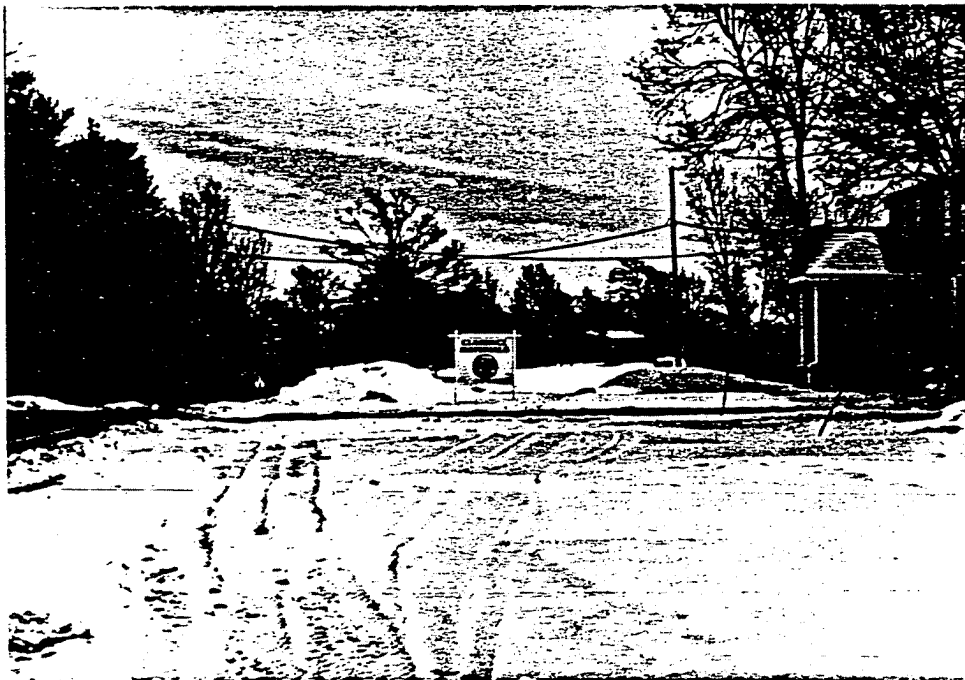
PHOTOGRAPH INDEX

<u>Photo Number</u>	<u>Description</u>	<u>Time</u>
1P-1	Entrance to Clarence Redi-Mix looking south from Stage Road. Photographer: Joe Mayo.	1420
1P-2	Sign on entrance to site. Photographer: Joe Mayo.	1425
1P-3	Quarry pit with gravel piles as viewed looking southwest from Stage Road. Photographer: Joe Mayo.	1427
1P-4	Weigh station on site as viewed looking southeast from Stage Road. Photographer: Joe Mayo.	1428

CLARENCE REDI-MIX, CLARENCE, NEW YORK

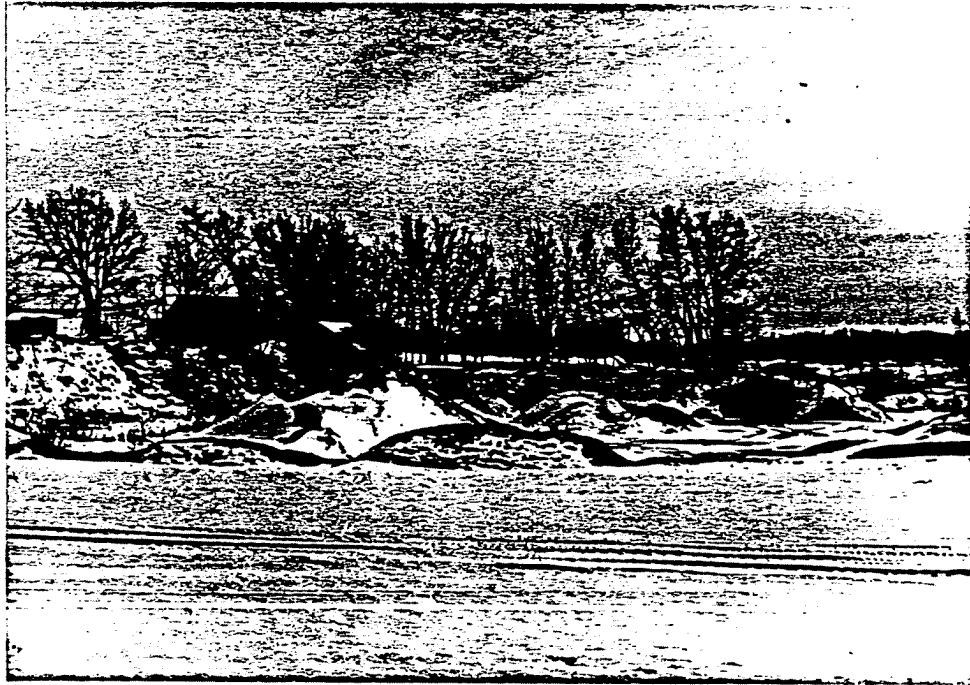


1P-1 February 26, 1986 1420
Entrance to Clarence Redi-Mix off of Stage Road.
Photographer: Joe Mayo.



1P-2 February 26, 1986 1425
Sign at entrance to site.
Photographer: Joe Mayo.

CLARENCE REDI-MIX, CLARENCE, NEW YORK



1P-3 February 26, 1986 1427
Quarry pit showing gravel piles and quarry operations buildings.
Photographer: Joe Mayo.



1P-4 February 26, 1986 1428
Weigh station on site.
Photographer: Joe Mayo.

APPENDIX B
BACKGROUND INFORMATION

NEW YORK STATE ENVIRONMENTAL CONSERVATION
 DIVISION OF HAZARDOUS AND SOLID WASTE
 BUREAU OF HAZARDOUS SITE CONTROL

 QUARTERLY STATUS REPORT *****

 P A R T - 1

DATE : 1/1/86

REGION : 9

COUNTY : Erie

SITE DESCRIPTION *****	CLASS *****	SITE CODE *****	---PHASE 1---		PHASE 2		DOH INSP DATE *****	REGULATORY STATUS RCRA MUPL. NPL *****	-ENFORCEMENT-	
			START *****	END *****	START *****	END *****			STAT ACT	REM
Northern Demolition	2a	9-15-088	11/85	03/86			05/85			
Fox Road Site	2a	9-15-089	11/84	06/85	03/86	12/86	06/85	57		
Town of North Collins	2a	9-15-090	11/85	03/86			07/85	56		
Town of Marilla	2a	9-15-093	11/85	03/86			08/85	51		
City of Lackawanna	2a	9-15-094	11/85	03/86			06/85	54		
James Fox Landfill	4	9-15-096					06/85	54	DEC	08 CNT
Gutenkist	2a	9-15-098					07/85			
Town of Amherst	2a	9-15-100					07/85	57		
Bernard Cope	2a	9-15-102	11/85	03/86			07/85			
Village of Depew	2a	9-15-105	11/85	03/86			07/85	57		
Ed Ball Sanitation	2a	9-15-106	11/85	03/86			08/85	54		
Eden Sanitation Service, Inc.	2a	9-15-107					08/85	54		
Town of Evans	2a	9-15-109					08/85	57		
Town of Evans	2a	9-15-110	11/85	03/86			06/85	51		
George Schreiber	2a	9-15-112					07/85	57		
US Steel - Eastern Division	2a	9-15-113	11/85	03/86			05/85			
Clarence Ready Mix	2a	9-15-114					07/85			
Bangart & Memel, Inc.	2	9-15-115					07/85		DEC	08 CNT
Wide Beach	2	9-15-119					07/85			
Allied Chemical-Hopkins St. Site	2a	9-15-120	05/83	09/83	02/85	11/85	05/85	12	A	F

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
DIVISION OF SOLID AND HAZARDOUS WASTE
INACTIVE HAZARDOUS WASTE DISPOSAL SITE REPORT

CLASSIFICATION CODE: 2a REGION: 9 SITE CODE: 915114

NAME OF SITE : Clarence Ready Mix
STREET ADDRESS: Ransom and Stage Roads
TOWN/CITY: COUNTY: ZIP:
Clarence Erie

SITE TYPE: Open Dump-X Structure- Lagoon- Landfill- Treatment Pond-
ESTIMATED SIZE: Acres

SITE OWNER/OPERATOR INFORMATION:

CURRENT OWNER NAME.....: Clarence Ready Mix
CURRENT OWNER ADDRESS.: Ransom & Stage Rds., Clarence, NY 14031
OWNER(S) DURING USE....: Clarence Ready Mix
OPERATOR DURING USE....:
OPERATOR ADDRESS.....:
PERIOD ASSOCIATED WITH HAZARDOUS WASTE: From unknown To unknown

SITE DESCRIPTION:

Trash and miscellaneous debris illegally dumped at this site. Sampling and analysis of a nearby U.S.G.S. survey well has been underway since 1981. Data from Nov. 1981 until June 1983 is available. Erie County prepared a site profile report in Dec. 1984.

HAZARDOUS WASTE DISPOSED: Confirmed- Suspected -X
-----TYPE----- QUANTITY (units)-----
not known not known



POTENTIAL HAZARDOUS WASTE SITE IDENTIFICATION		REGION II	SITE NUMBER NY000010214
NOTE: The initial identification of a potential site or incident should not be interpreted as a finding of illegal activity or confirmation that an actual health or environmental threat exists. All identified sites will be assessed under the EPA's Hazardous Waste Site Enforcement and Response System to determine if a hazardous waste problem actually exists.			
A. SITE NAME CLARENCE READY MIX		B. STREET (or other identifier) RANSOM & STAGE ROADS	
C. CITY CLARENCE		D. STATE N.Y.	E. ZIP CODE
F. COUNTY NAME ERIE			
G. OWNER/OPERATOR (if known)			
1. NAME CLARENCE READY MIX			2. TELEPHONE NUMBER
H. TYPE OF OWNERSHIP (if known)			
<input type="checkbox"/> 1. FEDERAL <input type="checkbox"/> 2. STATE <input type="checkbox"/> 3. COUNTY <input type="checkbox"/> 4. MUNICIPAL <input checked="" type="checkbox"/> 5. PRIVATE <input type="checkbox"/> 6. UNKNOWN			
I. SITE DESCRIPTION INACTIVE, OPEN DUMP. TRASH & MISCELLANEOUS DEBRIS ILLEGALLY DUMPED.			
J. HOW IDENTIFIED (i.e., citizen's complaints, OSHA citations, etc.) HAZARDOUS WASTE DISPOSAL SITES IN NEW YORK STATE (LIST OF 6/1980)		K. DATE IDENTIFIED (mo., day, & yr.) 4/15/80	
L. SUMMARY OF POTENTIAL OR KNOWN PROBLEM UNKNOWN - IF ANY HAZARDOUS WASTE DUMPED. QUANTITY OF TRASH & MISC. DEBRIS NOT KNOWN. ENVIRONMENTAL PROBLEMS: SITE SHOULD BE CLOSED PROPERLY. HEALTH PROBLEMS: NONE KNOWN AT THIS TIME.			
M. PREPARER INFORMATION			
1. NAME GEORGE B. RADAN		2. TELEPHONE NUMBER 212 264-1576	3. DATE (mo., day, & yr.) 11/12/80

SITE CODE: 915114

ANALYTICAL DATA AVAILABLE:

Air- Surface Water- Groundwater- Soil- Sediment- None-X

CONTRAVENTION OF STANDARDS:

Groundwater- Drinking Water- Surface Water- Air-

LEGAL ACTION:

TYPE.: none State- Federal-
STATUS: In Progress- Completed-

REMEDIAL ACTION:

Proposed- Under Design- In Progress- Completed-
NATURE OF ACTION: none

GEOTECHNICAL INFORMATION:

SOIL TYPE: Sandy clay, Gravel, Till over Bedrock
GROUNDWATER DEPTH: not known

ASSESSMENT OF ENVIRONMENTAL PROBLEMS:

The site should be closed properly. No evidence of any other major environmental problem, Although results from USGS well sampling may indicate the need for further investigation of this site.

ASSESSMENT OF HEALTH PROBLEMS:

	Contaminants Available	Migration Potential	Potentially Exposed Population	Need for Investigation
Medium				
Air	Unlikely	Unlikely	Yes	Low
Surface Soil	Unlikely	Unlikely	Yes	Low
Groundwater	Unlikely	Unlikely	Yes	Low
Surface Water	Unlikely	Unlikely	Yes	Low

Health Department Site Inspection Date : 7/85

CLARENCE REDI-MIX
RANSOM AND STAGE ROADS
CLARENCE, NEW YORK
SITE #915114

PREPARED BY:

Erie County Department of
Environment and Planning

December 1984

DISCLAIMER

The information contained in this document is presented to show environmental conditions, comparisons to ambient environmental standards and criteria and compliance status relative to applicable environmental regulations.

Any use of this information to assess the risks to personal or public health, identify potential personal or public liability or to estimate the costs of remedial activity should only be done after consultation with appropriate government agencies or private consultants.

BACKGROUND

The Clarence Redi-Mix site is listed in the 1980 and 1983 New York State Department of Environmental Conservation (DEC) "Inactive Hazardous Waste Disposal Site Reports". The site was reported to receive "trash and miscellaneous debris" illegally dumped at the site and is coded as a 2-A.

From our files (ECDEP) it is believed that the site was originally opened for disposal in 1970 and was used primarily by the Town of Clarence for disposal of Spring and Fall cleanup wastes. Other agencies were also reported to have used the area, Due to numerous complaints by local citizens, the owner of the site, Mr. Paul A. Schmidt, closed the site in December of 1978.

AREA SAMPLING

A preliminary sampling program was undertaken by our department to determine water quality. Sampling was conducted on May 15, 1979 from water supplies of concerned area residents.

	pH	Alkalinity	Hardness	SO ⁴	NO ₃
David Boone	7.2	160	268	55.5	.86
Gervase Spangler	7.0	216	340	58.8	3.44
Eugene Melborne	7.2	220	340	64.7	2.06
Nelson Sweeney	7.7	220	332	58.0	.57
Raymond Casta	7.4	170	268	53.0	.55

These initial test results indicated that the water was within the limits of potability. Additional sampling for the type of contaminants that could migrate from industrial landfilling (i.e. pesticides and metals) were planned. A legal referral to DEC precluded further sampling due to possible inclusion of such in a Commissioner's Order.

LEGAL ACTION

Because of the extensive effort to bring the site into compliance, a legal referral was submitted to DEC on December 13, 1978. As a result of the legal referral, the owner developed an acceptable closure plan.

INSPECTIONS

The site has been inspected numerous times by our Department and DEC. The earliest (December 1978-August 1979) inspections (prior to closure) indicated dumping of tires, trash, roadside cleanup debris, ponding and lack of proper cover. The most recent (December 1984) inspections showed that the site has not been active. Natural vegetation had established itself. The only visual observation indicating past landfilling were several sink holes and gas-venting decomposition pockets.

COMPLIANCE

The site was inspected several times to monitor progress toward completion of a phased closure plan. Except for some time delays, it was determined that the site was properly closed. No special sampling was undertaken by DEC since it was believed that historically the site accepted only non-hazardous material.

GEOLOGY

Fortunately, a USGS groundwater testing well has been drilled very near to the site. The well (#81-4) is located near the corner of Ransom and Stage Roads. Groundwater is reported to flow northwesterly from the fill area and toward the well. Bedrock is Onondaga Limestone and is located at 47 feet below the natural ground surface. (Boring log attached to this report to be used as preliminary information.) Landfilling occurred in borrow pits excavated approximately 25 feet below grade.

GROUNDWATER SAMPLING RESULTS

The USGS well has been sampled numerous times since its construction. Although there are some elevated values, they appear to be typical for the area, as substantiated by nearby USGS monitoring wells.

SAMPLING RESULTS - WELL #81-4

PARAMETER	11/19/81	3/23/82	8/4/82	2/15/83	3/15/83	6/13/83
PCB	N.D.	.11	N.D.	N.D.	-	N.D.
CADMIUM	.002	N.D.	.001	.001	-	.001
PHENOL	.045	.008	.004	.002	-	.003
COD	116.0	18.8	14.4	14.0	-	3.2
TOC	24.1	13.7	26.8	18.8	-	26.6
LEAD	-	N.D.	N.D.	N.D.	-	N.D.
PESTICIDES	-	Chloroform Present	N.D.	N.*	A-BHC (.07)	N.D.
AROMATICS	-	N.D.	N.D.	N.D.	N.D.	N.D.

N.D. - NONE DETECTED

* Numerous undefined peaks obtained by gas chromatography.

- NO SAMPLE

All results in milligrams per liter except for PCB's and Pesticides which are in micrograms per liter.

PCB's were detected in only one of the five samples. The single confirmed result only slightly exceeds the standards of 0.1 microgram/liter.

- Cadmium was detected in 4 of 5 samples but below the groundwater standard of 0.01 mg/l.
- Values noted are above the groundwater standard of 0.001 mg/l.

S

ES - Some detectable amounts of chloroform were observed. No quantitative result was available. The groundwater standard is 100 micrograms/l. A single detection of A-BHC (lindane) was noted. Again this was not confirmed. The groundwater standard for lindane is N.D. (non-detectable). In general, for the pesticides there was not enough susceptible positive test results to indicate a contamination level which would require any action.

The decline in successive values is unexplainable at this time. Except for one initially high value, the range of COD was consistent for other wells in this area.

TOC - These values are consistent with other values found for wells drilled in this area.

AERIAL PHOTOGRAPHY

Review of photos taken in 1972 and 1978 indicated that extensive gravel mining operations occurred in an area bounded approximately by Ransom, Stage, Billo and Jones Roads. The aerial photography is not detailed enough to establish any dumping or landfilling on the property.

LAND USE

The area to the south is generally composed of gravel operations. The areas east and west are primarily sparse residential. Some commercial and residential development is located north of the site. The landfill area comprises approximately two acres.

GROUNDWATER USE

There are a number of residences nearby who depend on wells for their water supply.

CONCLUSIONS AND RECOMMENDATIONS

From visual observations, it is believed the site is now inactive and has been closed properly. Monitoring well samples do not indicate any trend or effect from the landfilling operations. It is believed that only non-hazardous materials were deposited on the site. Periodic sampling of well #81-4 is recommended to monitor the quality of groundwater.

is
believed that the groundwater which flows from the
toward a protected wetland known as "Town Park
protected Ransom Creek. Well sample results do not
er degradation which would cause adverse
ts.

RECOMMENDATIONS

visual observations, it is believed the site is now
been closed properly. Monitoring well samples do not
or effect from the landfilling operations. It is
non-hazardous materials were deposited on the site.
of well #81-4 is recommended to monitor the quality of

lon-

Sample	Remarks	Strat.	Geologic Description
		△ △ △ △ △	Till, gray, silty-f.s. matrix with embedded pebbles and cobbles dense, cohesive, poorly sorted, poor permeability, sat'd.
		//////	Bedrock at 47 ft. Onondaga Limestone
			<u>Well installation</u> 2-in. dia. PVC casing 2 ft long, 2-in. dia., 8 slot screen set at 41.5-43.5 ft 2'7" of casing above LSD bentonite seal at 30-32 ft water level = 31.1 ft below LSD on 10/15/81

2/26/86

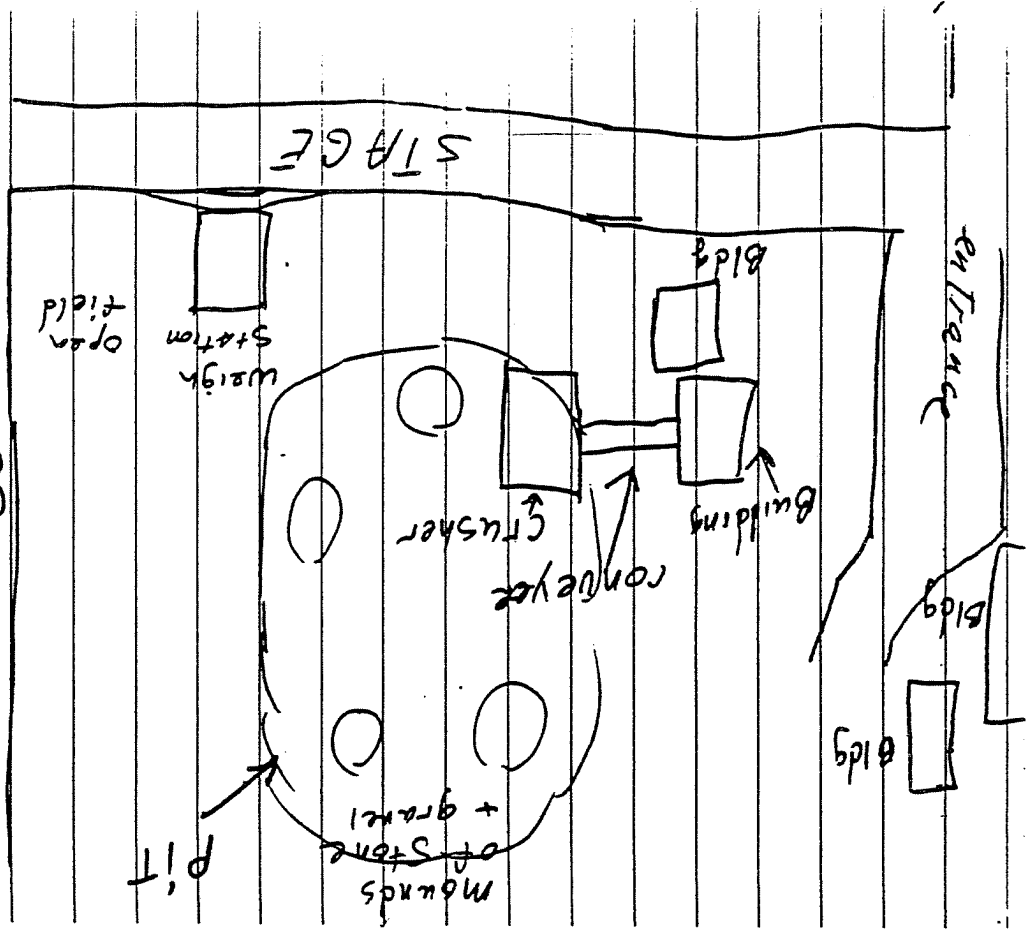
02-0001-13

Clarence Ready - Mix

Site is gravel and stone mining operation - open pit type - containing several buildings and machinery associated with this type of operation.

Log Book 1973

RANSOM



2/24/85

02-86-13

9

Clarence Ready-Mix (cont)

No visible signs of hazardous waste
or illegal dumping.

Site is occupied by Clarence Mat.

Log Book 1873

#1000000

KNUCO Home Center

Date	Time	Photographer	Roll #	Frame #	Description
7/24/86	12:20	Joe Mayo	2P	19P	Front of KNUCO Bldg Facing east on West Road
7/26/86	12:23	Joe Mayo	2P	20P	VOID
7/26/86	12:27	Joe Mayo	2P	21P	photo of Dumpster + debris facing east, KNUCO Home Center
Clarence Ready-Mix (Clarence Materials)					
7/26/86	2:20	Joe Mayo	2P	22P	photo of entrance to Clarence materials looking south off Stage Road, showing buildings
7/26/86	2:25	DD Joe Mayo Dennis Sutton	2P	23P	Sign on site
7/26/86	2:27	Dennis Sutton	2P	24P	photo of pit facing South west from Stage road, Clarence materials
7/26/86	2:28	Joe Mayo	2P	25P	Weight station at Clarence materials South east from Stage road

Joe Brock 12/73

3/14/86

4:15 pm

DISTRIBUTION:

BETWEEN:

Ron Koczaja

OF:

Erie Co Health Dept

PHONE:

(716) 846-7677

AND:

Dennis Sutton

(NUS)

DISCUSSION:

re: drinking water for town of Clarence
Town purchases water from Erie Co Water Authority -
which gets water from Niagara River

ACTION ITEMS: