

CUY-90-14.90

PID 77332/85531

APPENDIX EC-20

ESA Phase I & II Addendum to EC-14, 15 & 16 (Contract Document)

State of Ohio Department of Transportation Jolene M. Molitoris, Director

Innerbelt Bridge Construction Contract Group 1 (CCG1)

Revision Date: July 30, 2009

PHASE I & II ADDENDUM

CLEVELAND INNERBELT STUDY CLEVELAND, OHIO

CUY-CLEVELAND INNERBELT CORRIDOR PID NO. 77510



Prepared for

The Ohio Department of Transportation District 12 5500 Transportation Boulevard Garfield Heights, Ohio 44125

July 30, 2009



1375 Euclid Avenue Cleveland, Ohio 44115 216-622-2400 Project No. 15016633

URS

July 30, 2009

Mr. Mark Carpenter
The Ohio Department of Transportation
District 12
5500 Transportation Boulevard
Garfield Heights, Ohio 44125

RE: Phase I & II Addendum - Cleveland Innerbelt Project, Cleveland, Ohio

Dear Mr. Carpenter:

URS Corporation – Ohio (URS) is pleased to present this summary report of the completion of additional work for the above referenced project, as described in the ODOT Inter-Office Communication dated April 4, 2007. Due to ODOT plan changes, the investigations originally requested for the Former Teledyne Metal Finishing Property (Site #34) and the Norfolk South Railroad Property (Site #23) are no longer required. The additional work completed includes the following:

- PCB Wipe Sampling at Site #20, Earl Lee Property
- Regulated Materials Survey at Site#45, Harold Moss Property
- Groundwater Elevation Map for Site# 17, Terminal Oil and Site #19 Gillota Fuel Products

In addition, this report includes documentation of the abandonment of water monitoring wells installed as part of the 2007 Phase II Environmental Site Assessment. The wells were installed in order to determine the potential for encountering hazardous substances during the project.

Feel free to contact us with any questions at (216) 622-2400. Thank you for the opportunity to provide this service to the Ohio Department of Transportation.

Sincerely,

URS Corporation - Ohio

Seda Ergun Project Manager Jennifer Shepard Environmental Scientist

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Appendix B Well Abandonment Documentation

Appendix C Site #20 Earl Lee Property – PCB Sampling

Appendix D Site #45 Harold Moss Property – Regulated Materials Survey

Appendix E Site#17 Terminal Oil & Site #19 Gillota Fuel Products – Groundwater

Elevation Map

APPENDIX A

April 4, 2007 ODOT Inter-Office Communication



OHIO DEPARTMENT OF TRANSPORTATION INTER-OFFICE COMMUNICATION

Office of Environmental Services

TO:

David Ray, Acting District 12 Deputy Director

DATE: April 4, 2007

Attn: Thomas Sorge

FROM:

Timothy M. Hill, Administrator, Office of Environmental Services

SUBJECT: Phase II Environmental Site Assessment

PROJECT: CUY – Cleveland Innerbelt Corridor

PID: 77510

This office has evaluated the information provided for the Phase II Environmental Site Assessment (ESA) for the above referenced project which was prepared by URS.

Based on the information provided, we believe that no further environmental assessment or special material management is warranted for the TIG Products, Diamond Fabricating, Former Glove Cleaning Service/Scranton Averell, Wendell & Carroll Collins/1501 Companies, Cleveland Fire Station, CB Realty, Temp Craft Plastics, Cleveland Fire Academy, and Charles Martin Property.

Based on the past long-term industrial use in this project area and multiple property takes, further investigations should be performed. Consultants should get access to the buildings of the following six (6) sites to test transformers for PCB and other potential concerns found within the building and give recommendations on further Phase II ESAs; to assist with waste issues, OES should be given the results of these surveys/inspections:

- Earl Lee
- **Bojacks Meats**
- State Industrial Products
- Former Teledyne Metal Finishing
- Meridian Properties/Independent Towel
- Harold Moss (Trustee)

Terminal Oil & Gillota Fuel Products (as one site due to same business owner) properties should have a potentiometric map generated for all monitoring wells within the location.

The NS Railroad property should have a Toxicity Characteristic Leaching Procedure (TCLP) performed for lead in the location of the proposed pier.

State Industrial Products and the Former Teledyne Metal Finishing need to complete a RCRA Closure prior to or as part of the acquisition of the properties. The District should coordinate with the Office of Real Estate to ensure the owners comply with this by securing part of purchase price until approved by OEPA.

Based on the information provided, we believe that Plan Notes are warranted for this project. The following table indicates the sites and various plan notes that should be developed:

				Y
	Plan Note for	Plan Note for	Plan Note for	Plan Note for Semi-
	Petroleum	Contaminated	Underground	Volatile Organic
	Contaminated	Ground Water	Storage Tank	Compounds
	Soil (PCS)	(GW)	(UST)	(SVOCs)
Former Bauer Auto	X	X	· · · · · · · · · · · · · · · · · · ·	
Earl Lee	X	Х		
Nova Properties	X	Х		
NS Railroad Building	X			
BP Gas Station	X	X	X	, , , , , , , , , , , , , , , , , , ,
Bojacks Meats		X		
State Industrial Products		Х		
Former Teledyne Metal Finishing		Х		
Meridian Properties/Independent		х	V	
Towel		^	X	
Parking Lot at the Central Viaduct				
(formerly associated with N&W		Х	X	•
Railroad)				
White Properties			Х	
KNC Building			X	
Harold Moss (Trustee)			Х	
Leon Rudnick			Х	- Control of the Cont
James Vincent Property				Х

If you have any questions or concerns, please contact Craig Kerscher, Environmental Specialist, at (614) 752-2175.

TMH:ctk

cc: Mark Carpenter, D-12 Larry Hoffman

File w/attachment
Reading file

APPENDIX B

Well Abandonment Documentation



Technical Memorandum

Date:

July 30, 2009

To:

Mark Carpenter

From:

Seda Ergun

Subject:

Cleveland Innerbelt Project

Well Abandonment

This memorandum was completed in association with the Phase II Environmental Site Assessment (ESA) report being conducted as part of the ODOT Cleveland Innerbelt Project. The memorandum addresses the monitoring well abandonment for the above referenced project. During the completion of the Phase II ESA, sixty five groundwater monitoring wells were installed on 22 sites. The wells were installed in order to determine the potential for encountering hazardous substances during the project.

Sixty-one monitoring wells were abandoned from June 1 through June 16, 2009 by H.A.D. Drilling Contractors of Rittman, Ohio. The remaining four wells were unable to be located and are assumed to be destroyed through construction or paving activities. Michael J. Shuler, Jr. and Jennifer Shepard, of URS, oversaw the abandonment activities and provided the oversight and documentation. For purposes of documentation, photographs were taken of each well prior to and after the abandonment. The photographs are included as **Attachment** A.

In general, each well was abandoned in the following manner: Each concrete pad was broken up and the protective casing was removed. The two inch polyvinyl chloride (PVC) well piping was completely removed or cut-off at a minimum of 2 feet below ground surface. The hole was filled with grout and/or bentonite chips. The monitoring wells were then patched with concrete, asphalt, gravel, or topsoil, depending on the surrounding area. The monitoring wells were observed to range from approximately 10 to 30 feet deep. The well abandonment data is included in **Table 1**. Ohio Department of Natural Resources (ODNR) Well Sealing Reports are included as **Attachment B**.

Tables

Table 1 Well Abandonment Data

Attachments

A Photo Log

B ODNR Water Well Sealing Reports



Cleveland Innerbelt Project Cleveland, Ohio Well Decommissioning Data Table 1

Site Number	Well ID	Date	Depth (ft)	PVC Removed (ft)	Depth after PVC Removed (ft)	Grout (Y/N)	Bentonite (Y/N)	Patch Material
13	MW02	6/4/2009	24	4	24	>	>	Onsite Soil/Gravel
14	MW01	6/3/2009	30	15	28	>	z	Asphalt Patch
	MW02	6/3/2009			Destroy	Destroyed/Not Located		
	MW03	6/3/2009	18	18	5	Z	*	Onsite Soil/Gravel
16	MW01	6/3/2009	30	10	30	X	Z	Asphalt Patch
17	MW02	6/16/2009	30	8	30	>	\	Asphalt Patch
	MW03	6/16/2009	19	10	15	>	Z	Asphalt Patch
	MW04	6/16/2009	19	∞	13	>	>	Concrete
18	MW01	6/16/2009	20	10	6	>	Z	Asphalt Patch
	MW02	6/16/2009	30	2	30	>	X	Asphalt Patch
19	MW01	6/16/2009	36	2	35	٨	Α	Asphalt Patch
20	MW01	6/15/2009			Destro	Destroyed/Not Located		
	MW02	6/15/2009	23	23	12	>	z	Onsite Soil/Gravel
	MW03	6/15/2009	23	က	17	>	z	Onsite Soil/Gravel
	MW04	6/15/2009			Destro	Destroyed/Not Located		
21	MW01	6/3/2009	13	13	4	Z	>	Asphalt Patch
	MW02	6/3/2009	17	17	4	z	>	Asphalt Patch
	MW03	6/3/2009	10	10	4	Z	>	Asphalt Patch
22	MW02	6/3/2009	6	6	3.5	z	>	Onsite Soil/Gravel
	MW03	6/3/2009	41	4	2	z	>	Onsite Soil/Gravel
	MW04	6/3/2009	13	13	ø	z	>	Onsite Soil/Gravel
	MW05	6/3/2009	10	10	3	Z	Υ	Onsite Soil/Gravel
23	MW01	6/1/2009	19	5	17	>	z	Onsite Soil/Gravel
And the state of t	MW02	6/1/2009	20	15	S	>	z	Onsite Soil/Gravel
	MW03	6/1/2009	25	10	10	>	z	Onsite Soil/Gravel
	MW04	6/2/2009	18	15	5	>	Z	Onsite Soil/Gravel
24	MW01	6/2/2009	15	15	5	>	٨	Asphalt Patch
	MW02	6/2/2009	28	∞	28	>	z	Asphalt Patch
	MW03	6/2/2009	16	7	16	>	Z	Asphalt Patch
27	MW01	6/2/2009	25	80	20	>	z	Asphalt Patch
	MW02	6/2/2009			Destro	Destroyed/Not Located		
	MW03	6/2/2009	18	∞	17	>	Z	Asphalt Patch
	MW04	6/2/2009	16	7	11	>	Z	Asphalt Patch

Table 1 Well Decommissioning Data Cleveland Innerbelt Project Cleveland, Ohio

Site Number	Well ID	Date	Depth (ft)	PVC Removed (#)	Depth after PVC Removed (ft)	Grout (Y/N)	Bentonite (Y/N)	Patch Material
33	MW01	6/11/2009	17	17	ဖ	z	>	Asphalt Patch
	MW02	6/11/2009	23	4	23	>	z	Asphalt Patch
	MW03	6/11/2009	20	20	16	>	z	Asphalt Patch
	MW04	6/11/2009	15	15	7	z	>	Asphalt Patch
	MW05	6/11/2009	15	15	9	z	>	Asphalt Patch
	MW06	6/11/2009	20	20	1	>	z	Asphalt Patch
	MW07	6/11/2009	23	23	11	>	z	Topsoil/Grass Seed
	MW08	6/11/2009	16	16	9	>	Z	Topsoil/Grass Seed
34	MW01	6/9/2009	18.5	18.5	7	>-	>	Asphalt Patch
	MW02	6/9/2009	17	17	10	>	z	Asphalt Patch
	MW03	6/9/2009	18	10	11	>	Z	Asphalt Patch
42	MW01	6/10/2009	17	17	8	>	z	Asphalt Patch
	MW02	6/10/2009	17	17	တ	>	z	Asphalt Patch
	MW03	6/10/2009	18	18	9	Z	\	Topsoil/Grass Seed
43	MW01	6/10/2009	20	10	12	>	Z	Asphalt Patch
	MW02	6/10/2009	18	∞	12	>	z	Asphalt Patch
	MW03	6/10/2009	18.5	8	11	>	Z	Asphalt Patch
45	MW01	6/8/2009	23	15	11	>	z	Asphalt Patch
	MW02	6/9/2009	18	10	14	>	z	Asphalt Patch
	MW03	6/9/2009	20	11	11	\	Z	Asphalt Patch
51	MW01	6/15/2009	20	20	12	\	>	Topsoil/Grass Seed
	MW02	6/15/2009	20	20	10	>	>	Topsoil/Grass Seed
	MW03	6/15/2009	28	28	6	>	>	Topsoil/Grass Seed
	MW04	6/15/2009	19	19	13	>	>	Topsoil/Grass Seed
53	MW01	6/4/2009	20	20	11	>	>	Topsoil/Grass Seed
	MW02	6/4/2009	21	10	12	>	>	Topsoil/Grass Seed
	MW03	6/8/2009	20	1	1	>	z	Topsoil/Grass Seed
And the control of th	MW04	6/8/2009	17	17	10	>	z	Concrete
57	MW01	6/4/2009	30	10	30	>	>	Asphalt Patch
	MW02	6/4/2009	28	2	28	>	z	Onsite Soil/Gravel
	MW03	6/4/2009	27	7	27	>	Z	Asphalt Patch
59	MW03	6/16/2009	28	000	26	>	>	Asphalt Patch

ATTACHMENT A



Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 1

Date: 6/4/09

Description:

13-MW02



Photo No. 2

Date: 6/4/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH Project No. 15016633

Photo No. 3

Date: 6/3/09

Description:

14-MW01

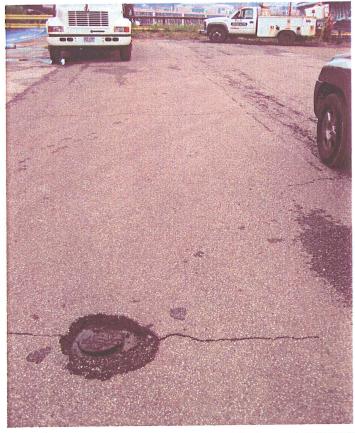


Photo No. 4

Date: 6/3/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 5

Date: 6/3/09

Description:

16-MW01

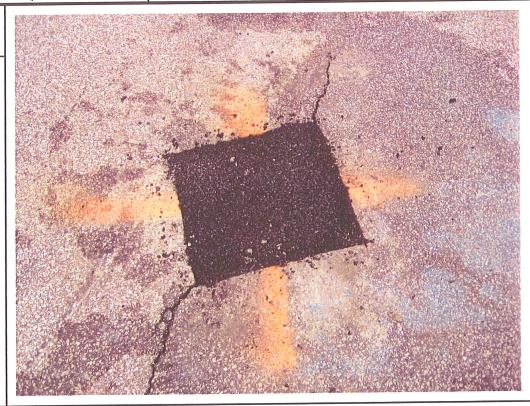


Photo No. 6

Date: 6/16/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH Project No. 15016633

Photo No. 7

Date: 6/16/09

Description:

17-MW02



Photo No. 8

Date: 6/16/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 9

Date: 6/16/09

Description:

17-MW03



Photo No. 10

Date: 6/16/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH Project No. 15016633

Photo No. 11

Date: 6/16/09

Description:

17-MW04



Photo No. 12

Date: 6/16/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 13

Date: 6/16/09

Description:

18-MW01



Photo No. 14

Date: 6/16/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 15

Date: 6/16/09

Description:

18-MW02



Photo No. 16

Date: 6/16/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH

Project No. 15016633

Photo No. 17

Date: 6/15/09

Description:

20-MW02

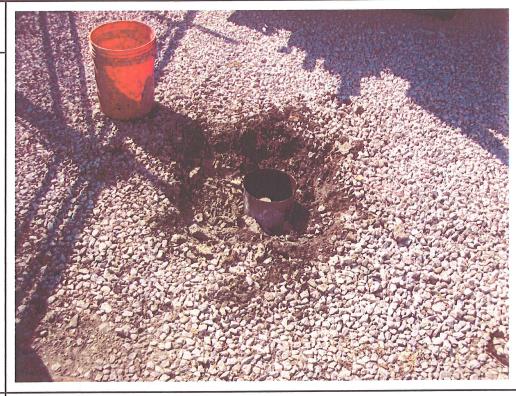


Photo No. 18

Date: 6/15/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 19

Date: 6/15/09

Description:

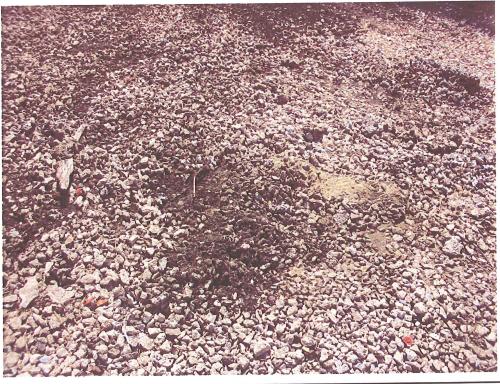
20-MW03



Photo No. 20

Date: 6/15/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 21

Date: 6/3/09

Description:

21-MW01



Photo No. 22

Date: 6/3/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 23

Date: 6/3/09

Description:

21-MW02



Photo No. 24

Date: 6/3/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH

Project No. 15016633

Photo No. 25

Date: 6/3/09

Description:

22-MW03



Photo No. 26

Date: 6/3/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH Project No. 15016633

Photo No. 27

Date: 6/3/09

Description:

22-MW04



Photo No. 28

Date: 6/3/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 29

Date: 6/3/09

Description:

22-MW05



Photo No. 30

Date: 6/3/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH Project No. 15016633

Photo No. 31

Date: 6/1/09

Description:

23-MW01



Photo No. 32

Date: 6/1/09

Description:





Client Name: The Ohio Department of Transportation

Site Location: Cleveland, OH Project No. 15016633

Photo No. 33

Date: 6/1/09

Description:

23-MW02



Photo No. 34

Date: 6/1/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 35

Date: 6/1/09

Description:

23-MW03



Photo No. 36

Date: 6/1/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 37

Date: 6/2/09

Description:

23-MW04



Photo No. 38

Date: 6/2/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 39

Date: 6/2/09

Description:

24-MW01



Photo No. 40

Date: 6/2/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 41

Date: 6/2/09

Description:

24-MW02



Photo No. 42

Date: 6/2/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH Project No. 15016633

Photo No. 43

Date: 6/2/09

Description:

24-MW03



Photo No. 44

Date: 6/2/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH Project No. 15016633

Photo No. 45

Date: 6/2/09

Description:

27-MW01

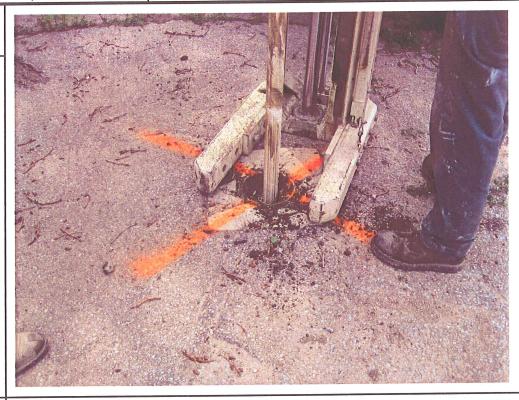


Photo No. 46

Date: 6/2/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 47

Date: 6/2/09

Description:

27-MW03



Photo No. 48

Date: 6/2/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 49

Date: 6/2/09

Description:

27-MW04



Photo No. 50

Date: 6/2/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 51

Date: 6/11/09

Description:

33-MW01



Photo No. 52

Date: 6/11/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 53

Date: 6/11/09

Description:

33-MW02



Photo No. 54

Date: 6/11/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH Project No. 15016633

Photo No. 55

Date: 6/11/09

Description:

33-MW03



Photo No. 56

Date: 6/11/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 57

Date: 6/11/09

Description:

33-MW04



Photo No. 58

Date: 6/11/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 59

Date: 6/11/09

Description:

33-MW05



Photo No. 60

Date: 6/11/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 61

Date: 6/11/09

Description:

33-MW06



Photo No. 62

Date: 6/11/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 63

Date: 6/11/09

Description:

33-MW06



Photo No. 64

Date: 6/11/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 65

Date: 6/11/09

Description:

33-MW08



Photo No. 66

Date: 6/11/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH Project No. 15016633

Photo No. 67

Date: 6/9/2009

Description:

34-MW01



Photo No. 68

Date: 6/9/2009

Description:





Client Name: The Ohio Department of Transportation

Site Location: Cleveland, OH

Project No. 15016633

Photo No. 69

Date: 6/9/2009

Description:

34-MW02



Photo No. 70

Date: 6/9/2009

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH Project No. 15016633

Photo No. 71

Date: 6/9/2009

Description:

34-MW03



Photo No. 72

Date: 6/9/2009

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH Project No. 15016633

Photo No. 73

Date: 6/10/09

Description:

42-MW01



Photo No. 74

Date: 6/10/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 75

Date: 6/10/09

Description:

42-MW02



Photo No. 76

Date: 6/10/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 77

Date: 6/10/09

Description:

42-MW03



Photo No. 78

Date: 6/10/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH Project No. 15016633

Photo No. 79

Date: 6/10/09

Description:

43-MW01



Photo No. 80

Date: 6/10/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 81

Date: 6/10/09

Description:

43-MW02



Photo No. 82

Date: 6/10/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 83

Date: 6/10/09

Description:

43-MW03



Photo No. 84

Date: 6/10/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 85

Date: 6/8/09

Description:

45-MW01



Photo No. 86

Date: 6/8/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 87

Date: 6/9/09

Description:

45-MW02

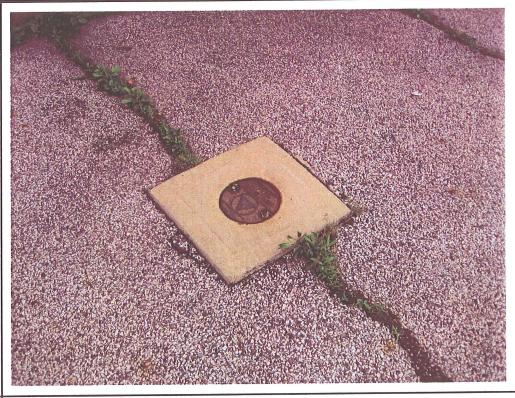


Photo No. 88

Date: 6/9/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 89

Date: 6/9/09

Description:

45-MW03



Photo No. 90

Date: 6/9/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 91

Date: 6/15/09

Description:

51-MW01



Photo No. 92

Date: 6/15/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 93

Date: 6/15/09

Description:

51-MW02



Photo No. 94

Date: 6/15/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 95

Date: 6/15/09

Description:

51-MW03



Photo No. 96

Date: 6/15/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 97

Date: 6/15/09

Description:

51-MW04



Photo No. 98

Date: 6/15/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH Project No. 15016633

Photo No. 99

Date: 6/4/09

Description:

53-MW01



Photo No. 100

Date: 6/4/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 101

Date: 6/4/09

Description:

53-MW02



Photo No. 102

Date: 6/4/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 103

Date: 6/8/09

Description:

53-MW03



Photo No. 104

Date: 6/8/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 105

Date: 6/8/09

Description:

53-MW04



Photo No. 106

Date: 6/8/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 107

Date: 6/4/09

Description:

57-MW01

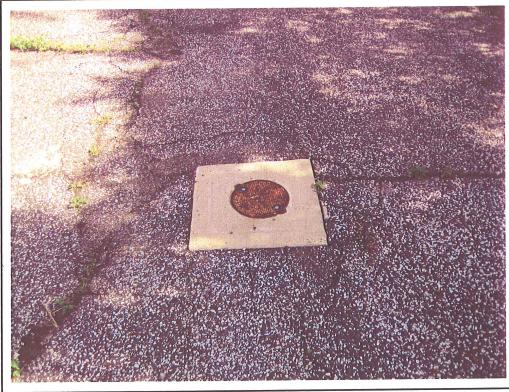


Photo No. 108

Date: 6/4/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 109

Date: 6/4/09

Description:

57-MW02



Photo No. 110

Date: 6/4/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 111

Date: 6/4/09

Description:

57-MW03



Photo No. 112

Date: 6/4/09

Description:





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, OH **Project No.** 15016633

Photo No. 113

Date: 6/16/09

Description:

59-MW03



Photo No. 114

Date: 6/16/09

Description:



ATTACHMENT B

DNR 7810.06

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0180027

Division of Water 2045 Morse Rd., Bldg B Columbus, OH 43229-6693

Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION			The say		(5.2 %)	70.44	SIJE#13 MW02
Coundry	018/41100	A Townsh	in OLE	:VFLAND G	Circle One or Both;	ner .	
Owner/Builder	h	FORM	IEN GLOV	Ę OL	LAMING SEKV	ICE/SCRANTO	ON
Address of We	ell Location -	2132 Number			WEST Street	15TH STREE	Γ
City —	CLEVELAN	D -		Zin Code	44	113	
Property Loca		milesn, e	e. s. w	of	neare	est intersection	· · · · · · · · · · · · · · · · · · ·
Description		n, e, s, w					
		N I I					1 1
Location of Well in either:	0.0	e s	☐In Decimal	+/- Degrees	— ft. or m Y rees Minutes ⊡ Degro Longitude	ees Min. Sec.	69303 ft. or m
Elevation of W	/ell	+/ ft. or	_m Datum	Plain: 🗆 NAD	27 🗆 NAD83		
Source of Coo	ordinates: 🗆	GPS □ Survey	□ Other				
ORIGINAL WE	ELL ODN	IR Well Log Number	2004	4 519	_ Copy attac	(circle one) hed? Yes or No	
MEASURED C	CONSTRUCT	ION DETAILS	Da	te of measure	ements	6/04/2009	
Depth of Well 24'				Static Water Level 20' Length of casing			
Well Condition	Goo	d					
SEALING PRO	OCEDURE	T	.1				
Method of Placement Tremmie Grout			II		Sealing Material		Volume
Placement:	From				Grout DF		
Was Casing Ro	emoved?	Yes or No (circle one)					
Condition of Ca Perforations:	asing	Good					
Date Sealing F Reason(s) for S		6/04/2009 No Longer Nee	ded				
			37. A.				
CONTRACTO		Inc		ODH Regi	stration #		
Name H.A.D., Inc. Address 9797 Benner Road							
City/State/Zip	Rittm	an, Ohio 44270					
Signature	reby certify the info	rmation given is accurate and	correct to the bes	st of my knowledge.	- 		

DNR 7802.05e

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number 2004519

Page 1 of 1 for this record.

CONSTRUCTION DETAILS WELL LOCATION Drilling Method: AUGER BOREHOLE/CASING (Measured from ground surface) Township CLEVELAND County CUYAHOGA 8.25 ___inches Borehole Diameter ____ ___ ft.Thickness ___0.154 in. 2 in. Length ____14 CLEANING SERVICE / SCRANTON Casing Diameter___ FORMER GLOVE Depth _____ Owner/Builder ____inches Borehole Diameter _ _in. Length ____ ft. Thickness 2132 W ST 15TH Casing Diameter____ Address of Well Location Casing Height Above Ground ____ City CLEVELAND _ Zip Code +4_ Туре Section; _____ and or Lot No. Permit No. ___ 1: Threaded Use of Well MONITOR Coordinates of Well (Use only one of the below coordinate systems) State Plane Coordinates 2__ in. Slot Size_ 0.01 in. Screen Length_ Diameter_ N 🗌 X _ PVC MACHINE SLOTTED Type____ _ Material _ s 🗆 Y ft. and _ Latitude, Longitude Coordinates Set Between ___ Longitude: 81.69303 Latitude: 41.48302 GRAVEL PACK (Filter Pack) Vol/Wt. Used 350 LBS. Material/ Size #7 SILICA SAND Elevation of Well in feet: 778 Method of Installation Poured (gravity) Datum Plane: NAD27 X NAD83 Elevation Source **GPS** Depth: Placed From: _____ ___ ft. To: ___ Source of Coordinates: GPS GROUT Well location written description: Vol/Wt. Material Bentonite pellets/chunks 250 LBS. **INNERBELT STUDY SITE 13** Used Method of Installation Poured (gravity) Depth: Placed From: ___ ft. To: _ DRILLING LOG* Comments on water quality/quantity and well construction: FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED. То Color Texture Formation SAND AND GRAVEL 24 **WELL TEST *** Pre-Pumping Static Level ____ ft. Date __ Measured from ___ Pumping test method __ Duration of Test Test Rate Sustainable Yield Feet of Drawdown _____ ft. _ gpm *(Attach a copy of the pumping test record, per section 1521.05, ORC) X No Flowing Well? Yes X No PUMP/PITLESS gpm Capacity _ Type of pump____ Pump set at _____ft. Pitless Type_ Pump installed by_ I hereby certify the information given is accurate and correct to the best of my knowledge Drilling Firm H.A.D. INC. Address 9797 RD BENNER City, State, Zip RITTMAN OH 44270 Signed _____SUSAN BROMLEY Date 8/15/2006 Aquifer Type (Formation producing the most water.) SAND AND GRAVEL (Filed Electronically) Date of Well Completion _ 8/9/2006_____ Total Depth of Well__ ODH Registration Number

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0180021

LOCATION			**	SITE #14 MW01
			e or Both	
CountyCUYAHOGA	TownshipCLE	VELAND Section/I	_ot Number	
Owner/Builder	BOJACKS M	EATS	VIII.	
Circle One or Both	2000		MEST 1/TH STDI	EET
Address of Well Location	Number	and the second s	Street Name	<u>-L.I.</u>
City CLEVELAND		Zin Codo	44113	
mail a	n, e, s, w	of		
Property Location Description	n, e, s, w		nearest intersection	
on the	n, e, s, w	ide of	road name	
N [y	1 1 1.,	v	11 1 1.,
Location of S State Plane $S \square$ Well in either:	X	Degrees Degrees Minut	tes □ Degrees Min. Sec.	ft. or m
Latitude/Longitude	Latitude4	1.8487	_ongitude	81.6909
L eantado, Estigliado				_
Elevation of Well	+/ ft. or m Datum	Plain: 🗆 NAD27 🗆	NAD83	
Source of Coordinates: GPS	☐ Survey ☐ Other_		(circle	anal
ORIGINAL WELL ODNR Well L	ag Number 2003	937	opy attached? Yes o	•
ORIGINAL WELL ODINA Weil L	og Number	<u> </u>	Jpy attached: Tes o	TINO
MEASURED CONSTRUCTION DET	AILS Da	ite of measurements	6/03/2009	
Depth of Well 30'	,	Static Water Lev	/el15'	
Size of Casing2"		Length of casing]	
Well Condition Good				
			NAME OF THE OWNER OWNER OF THE OWNER	,
SEALING PROCEDURE _			· · · · · · · · · · · · · · · · · · ·	
Method of Placement Tre	mmie Grout			Annual
		_	Material	Volume
	To1'			20 Gallons
From	To			
From	To			
Mar Orales Damardo	Sau Na			
Was Casing Removed? Yes	Or NO :le one)			
Condition of Casing Good	•			
Perforations: From	To			
From	To			
Date coaling i chermod	/2009			
	onger Needed			
* • • • · · · · · · · · · · · · · · · ·	RESTAURANT OF THE RESTAURANT O			
CONTRACTOR				
Name H.A.D., Inc.		ODH Registration	#	
Address 9797 Benner F	load			
City/State/Zip Rittman, Ohio	44270			
1 1 1 1	1272			
Signature	III	at of my knowledge		
I hereby certify the information give	is accurate and correct to the bes	st of my knowledge.		

DNR 7802.05e

WELL LOG AND DRILLING REPORT
Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number

2003937

Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS	
	Drilling Method: AUGER	
County CUYAHOGA Township CLEVELAND	BOREHOLE/CASING (Measured from ground surface)	
County COTATION TOWNSHIP CELL TOWN	Borehole Diameter 8.25 inches Depth 30	ft
BOJACKS MEATS	1 Casing Diameter 2 in Length 20 ft. Thickness 0.1	54_in
Owner/Builder	2 Borehole Diameterinches Depth	ft.
2000 W ST 14TH	Casing Diameterin. Lengthft.Thickness	in
Address of Well Location	Casing Height Above Ground	ft
	1: PVC	
City CLEVELAND Zip Code +4 4113	Type { 2:	
Permit No Section; and or Lot No		
Use of Well_MONITOR	Joints 1: Threaded	
Coordinates of Well (Use only one of the below coordinate systems) State Plane Coordinates	Joints 2:	
	Diameter 2 in. Slot Size 0.01 in. Screen Length 10	ft.
N □ X +/ ft. S □ Y ft.	Type MACHINE SLOTTED Material PVC	
S Yft.	Set Between 30 ft. and 20	ft
Latitude, Longitude Coordinates		
Latitude: 41.8487 Longitude: 81.6909	GRAVEL PACK (Filter Pack) Material/ Size SILICA SAND Used 400 LBS.	
Elevation of Well in feet: ft.	Size SILICA SAND Used 400 EDG.	
Datum Plane: NAD27 X NAD83 Elevation Source	Method of Installation Poured (gravity)	
Source of Coordinates: GPS	Depth: Placed From: 30 ft. To: 18	fi
Well location written description:	GROUT	
INNERBELT STUDY SITE #14	Material Bentonite pellets/chunks Vol/Wt. Used 450 LBS.	
THREE TOTOL OF THE TOTOL	Method of Installation Poured (gravity)	
	Depth: Placed From:18	ft
	Deptil. Flaced Floir.	
	DRILLING LOG*	
Comments on water quality/quantity and well construction:	FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNT	ERED.
Commonto on trator quanty quanty	Color Texture Formation From	То
		2
	30110, 12.2	
	SAND 2	30
WELL TEST *		
Pre-Pumping Static Level ft. Date		
Measured from		
Pumping test method		
Test Rate gpm Duration of Testhrs.		
eet of Drawdown ft. Sustainable Yieldgpm		
*(Attach a copy of the pumping test record, per section 1521.05, ORC)		
s Copy Attached? Yes X No Flowing Well? Yes X No		
s copy Attached: 103 May 110 Houring 11011		
PUMP/PITLESS		
Type of pumpgpm		
Pump set atft. Pitless Type]
Pump installed by		
I hereby certify the information given is accurate and correct to the best of my knowledge.		
Orilling Firm H.A.D. INC.		
Address 9797 RD BENNER		
City, State, Zip RITTMAN OH 44270		
Signed SUSAN BROMLEY Date 7/18/2006		
	Aquifer Type (Formation producing the most water.) SAND	
	Date of Well Completion 7/12/2006 Total Depth of Well 30) ft.

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0181022

LOCATION				SIE#14 MW03
			Circle One or Both	•
CountyCUYAHOC	GA Towns	hip CLEVELAND	Section/Lot Number	
Owner/Builder Circle One or Both	B	OJACKS WEATS		,
Address of Well Location	2000		WEST 14TH ST	TREET
	Number		Street Name	
City — CLEVELAI	ND	Zip C	Code <u>44113</u>	
Property Location —	milesn	of	nearest interse	ction
December				
OII	then, e, s, w		road nam	
Location of State PI	ane s X	+/-	Degrees Minutes Degrees Min. S	+/ ft. or m
Well in either: OR	Check ONE	In Decimal Degrees	Degrees Minutes Degrees Min. S	ec. 91 40101
Latitude	/Longitude (Latitude _	41.8401	Longitude	81.09101
Elevation of Well	+/ ft.	or m Datum Plain: □	NAD27 🗆 NAD83	•
Source of Coordinates:	☐ GPS ☐ Survey	☐ Other		
		2002020		circle one)
ORIGINAL WELL O	DNR Well Log Number	2003939	Copy attached? Y	es or No
MEASURED CONSTRU	CTION DETAILS	Date of mea	surements 6/03/200	9
Depth of Well18'		Stat	ic Water Level15' gth of casing	
Size of Casing		Len	gth of casing	
SEALING PROCEDURE	Tremmie Grou	1		
SEALING PROCEDURE Method of Placement —	Treminie Grou	L	Sealing Material	Volume
Placement: From	18' To _	1'	_	15 Gallons
From				
From	To _			
Was Casing Removed?	Yes or No (circle one)		•	
Condition of Casing	Good			
	To			
Data Ocallan Darfamad	6/03/2009			
Date Sealing Performed		ded		
loadon(d) for obtaining		E.V. 10		
	D., Inc.	ОГП	Registration #	
	Benner Road			· · · · · · · · · · · · · · · · · · ·
1441633	nan, Ohio 44270			
100	12111		•	
Signature 7777	information given is accurate and	d correct to the heet of my knowl	edne	
/ junjereby certify the	illionnation given is accurate and	a solitoor to allo boot of filly killowi		

DNR 7802.05e

WELL LOG AND DRILLING REPORT
Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number 2003939 Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS					
WILL LOCATION	Drilling Method: AUGER					
- CLEVELAND	BOREHOLE/CASING (Measured from ground surface)					
County CUYAHOGA Township CLEVELAND	Something Source					
DO MENONE TO	1 Rorenole Diameter 5.25 Inches Depth 5.15 D					
BOJACKS MEATS Owner/Builder						
2000 W ST 14TH	Casing Diameterin. Lengthft.Thicknessi					
Address of Well Location	Casing Height Above Ground					
City CLEVELAND Zip Code +4 44113	Type {1: PVC					
Permit No Section; and or Lot No	(2:					
Use of Well_MONITOR	Joints 1: Threaded					
Coordinates of Well (Use only one of the below coordinate systems) State Plane Coordinates	SCREEN					
N □ X ft.	Diameter 2 in. Slot Size 0.01 in. Screen Length 10					
s	Type MACHINE SLOTTED Material PVC					
Latitude, Longitude Coordinates	Set Between 18 ft. and 8					
Latitude: 41.48461 Longitude: 81.69101	000 000000					
Lantude: 41.70701 Longitude. 5.70701	GRAVEL PACK (Filter Pack) Material/ Size Size Size Size Size Vol/Wt. Used 350 LBS.					
Elevation of Well in feet: #/ ft.	Method of Installation Poured (gravity)					
Datum Plane: NAD27 X NAD83 Elevation Source	Depth: Placed From:18ft. To:6					
Source of Coordinates: GPS	Dopan. 1 14004 170111.					
Well location written description:	GROUT Material Bentonite pellets/chunks Vol/Wt. Used 150 LBS.					
INNERBELT STUDY SITE #14 BY TRACKS	Method of Installation Poured (gravity)					
21 11/10/10						
	Depth: Placed From: 6 ft. To: 2					
	DRILLING LOG*					
Comments on water quality/quantity and well construction:	FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED					
Commonto di Hator quanty quantity and Hon constituents.	Color Texture Formation From To					
	FILL MATERIAL 0					
	SAND 2 1					
WELL TEST *						
Pre-Pumping Static Level ft. Date						
Measured from						
Pumping test method						
Test Rategpm Duration of Testhrs.						
Feet of Drawdown ft. Sustainable Yieldgpm						
*(Attach a copy of the pumping test record, per section 1521.05, ORC)						
Is Copy Attached? Yes X No Flowing Well? Yes X No						
PUMP/PITLESS						
Type of pump Capacitygpm						
Pump set atft. Pitless Type						
Pump installed by I hereby certify the information given is accurate and correct to the best of my knowledge.						
Drilling Firm H.A.D. INC.						
Address 9797 RD BENNER						
City, State, Zip RITTMAN OH 44270						
Signed SUSAN BROMLEY Date 7/18/2006	Aquifer Type (Formation producing the most water.) SAND					
(Filed Electronically)	1 1 1					
ODH Registration Number	Date of Well Completion 7/12/2006 Total Depth of Well 18					

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0180023

LOCATION						SITE #16 MW01
					Circle One or Both	
		ДТо	wnship CLEV	ELAND	Section/Lot Number	
Owner/Builder Circle One or Bot		WE	NDELL & CAR	ROLL	COLLINS/1501 COM	PANIES
Address of We	ell Location	217 Numbe	<u>'7</u>	- ANOTHER STATE OF THE STATE OF	WEST 15TH S	TREET
	LEVELAN			Zin Co	ode <u>44113</u>	
Property Loca		miles	n, e, s, w	of	nearest inters	
Description					road nan	
	OII	N I I				
Location of Well in either:		Check	ONE In Decimal	Degrees LL	Degrees Minutes Degrees Min. Longitude	Sec.
Elevation of W	Vell	+/-	_{ft. or m} Datum	Plain: 🗆 N	AD27 🗆 NAD83	
Source of Coo	ordinates:	∃GPS □ Sur	vey □ Other_			
			•			(circle one)
ORIGINAL WI	ELL OI	ONR Well Log Nun	nber20039	36	Copy attached? (\)	res or No
MEASURED (CONSTRUC	CTION DETAILS	Da	ate of meas	urements6/03/200	9
Depth of Well	30'			Static	Water Level20'	
Size of Casing	2"			Leng	th of casing	
Well Condition	Goo	d				
SEALING PROMETHOUSE Method of Place		Tremmie G	rout			
Metriod or Frac	• **				Sealing Material	Volume
Placement:	From	3 0			Grout DF	
	From	•	To			
Was Casing R	emoved?	Yes or No				
Condition of C	aaina	Good				
Perforations:	From		To			
i enorations.	From		To			
Data Ozalina E)fl	6/03/2009				
Date Sealing F Reason(s) for		No Longer N				
rieason(s) for		TWO LOTINGET IN	- CCCCCC			
CONTRACTO	P					
Name	H.A.D	., Inc.		ODH Re	egistration #	
Address	9797	Benner Road				
City/State/Zip		an, Ohio 44270				
		- 1111111				
Signature	reby certify the	nformation given is accura	ate and correct to the be	st of my knowled	 lae.	

DNR 7802.05e

WELL LOG AND DRILLING REPORT
Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number. 2003936

Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS						
	Drilling Method: AUGER						
County CUYAHOGA Township CLEVELAND	BOREHOLE/CASING (Measured from ground surface)						
	Borehole Diameter 8.25 inches Depth 30 ft						
WENDELL & CARROLL COLLINS / 1501 COMPANIES	Casing Diameter 2 in. Length 20 ft. Thickness 0.154 in.						
Owner/Builder	2 Borehole Diameterinches Depthft						
2177 W ST 15TH	Casing Diameterin. Lengthft.Thicknessin						
Address of Well Location	Casing Height Above Groundft						
City CLEVELAND Zip Code +4 44113	(1. PVC						
Permit No Section; and or Lot No	Type { 2:						
Use of Well MONITOR	Joints { 1: Threaded 2:						
Coordinates of Well (Use only one of the below coordinate systems)	Joints { 2:						
State Plane Coordinates	SCREEN						
N	Diameter 2 in. Slot Size 0.01 in. Screen Length 10 ft						
S Y ft.	Type MACHINE SLOTTED Material PVC						
Latitude, Longitude Coordinates	Set Between 30 ft. and 20 ft						
Latitude: 41.48363 Longitude: 81.69142	GRAVEL PACK (Filter Pack)						
Elevation of Well in feet: ft.	GRAVEL PACK (Filter Pack) Material/ SILICA SAND Used 400 LBS.						
Datum Plane: NAD27 X NAD83 Elevation Source	Method of Installation Poured (gravity)						
Source of Coordinates: GPS	Depth: Placed From: 30 ft. To: 18						
Well location written description:	GROUT Vol/Wt.						
	Material Bentonite pellets/chunks Vol/Wt. Used 350 LBS.						
	Method of Installation Poured (gravity)						
	Depth: Placed From:18ft. To:ft						
	DRILLING LOG*						
Comments on water quality/quantity and well construction:	FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.						
Commonto on Mator quality quality and Non contention	· ·						
	SAND 3 30						
WELL TEST *							
Pre-Pumping Static Level0 ft. Date							
Measured from							
Pumping test method							
Test Rate gpm Duration of Testhrs. Feet of Drawdown ft. Sustainable Yield gpm							
*(Attach a copy of the pumping test record, per section 1521.05, ORC) s Copy Attached?							
s Copy Attached? Yes X No Flowing Well? Yes X No							
PUMP/PITLESS							
Type of pumpgpm							
Pump set atft. Pitless Type							
Pump installed by							
I hereby certify the information given is accurate and correct to the best of my knowledge.							
Drilling Firm H.A.D. INC.							
Address 9797 RD BENNER							
City, State, Zip RITTMAN OH 44270							
Signed SUSAN BROMLEY Date 7/18/2006							
(Filed Electronically)	Aquifer Type (Formation producing the most water.) SAND						
DDH Registration Number	Date of Well Completion 7/11/2006 Total Depth of Well 30 ft.						

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0180043

LOCATION					SITE #17 MW02
				Circle One or Both	
County	CUYAHOG	ATownshi	CLEVELAND	Section/Lot Number	
Owner/Builder	r	TER	MINAL OIL		· · · · · · · · · · · · · · · · · · ·
Circle One or Bot		200		CENTRAL VIAI	NICT .
Address of We	ell Location	Number		CENTRAL VIAI Street Name	
CityC	LEVELAN	D	Zip C	Code <u>44113</u>	
Property Loca	tion	miles	of	nearest interse	ection
Description					
	on t	nen, e, s, w	Side oi	road nam	ne
Location of	State Pla	ane $s \square x $	+/-	, Y	
Well in either:	OR	Check ONE	In Decimal Degrees	Degrees Minutes Degrees Min.	Sec. 11.50.540
	(Latitude/	Longitude Latitude	41.49217	Longitude	81.60649
Elevation of W	•	+/ ft. or r			•
Source of Coc	ordinates: [☐ GPS ☐ Survey [☐ Other		
			2004619		(circle one)
ORIGINAL WE	ELL OF	NR Well Log Number _	2004618	Copy attached?	es or No
MEASURED C	CONSTRUC	CTION DETAILS	Date of mea	surements6/16/200	09
Denth of Well	19'		Stati	c Water Level15'	
Size of Casing	2"		Len	gth of casing9'	
Well Condition	Goo	d		· · · · · · · · · · · · · · · · · · ·	
		,			
SEALING PRO	OCEDURE				
Method of Place	cement	Tremmie Grout			
				Sealing Material	
Placement:	From		. 1'	Grout DF	10 Gallons
	From	lo			
Was Casing Re	emoved?	Yes or No (circle one)			
Condition of Ca	asina	Good			
Perforations:	From	То			
	From	. To .			
		6/16/2009			
Date Sealing P Reason(s) for S		No Longer Needer	٨	***************************************	
neasur(s) iui c	seamig .	No Longer Neede	1		
CONTRACTO	Ð				and the commence of the second
Name	r. H.A.D	Inc.	ODH F	Registration #	
Address		Benner Road			
City/State/Zip		an, Ohio 44270			
,	A STATE OF THE PARTY OF THE PAR				
Signature	reby certify the in	nformation given is accurate and co	prect to the best of my knowle	edge.	

WELL LOG AND DRILLING REPORT

Well Log Number

Ohio Department of Natural Resources Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605 Voice (614) 265-6740 Fax (614) 265-6767 2004618 DNR 7802.05e Page 1 of 1 for this record. **CONSTRUCTION DETAILS** WELL LOCATION Drilling Method: AUGER Township CLEVELAND BOREHOLE/CASING (Measured from ground surface) County CUYAHOGA Borehole Diameter 8.25 inches 2 in. Length 6 ___ ft.Thickness __0.154_in. Casing Diameter___ TERMINAL OIL Owner/Builder Borehole Diameter _ inches Depth:____ 308 CENTRAL VIADUCT _in. Length ____ Casing Diameter___ ft.Thickness Address of Well Location Casing Height Above Ground _____ 1: <u>PV</u>C City CLEVELAND 44113 _ Zip Code +4_ Section; and or Lot No. Permit No. _ 1: Threaded Use of Well MONITOR Coordinates of Well (Use only one of the below coordinate systems) State Plane Coordinates SCREEN 2 in. Slot Size_ 0.01 __ in. Screen Length_ N 🗆 X " Diameter__ MACHINE SLOTTED s 🗆 Y ___ ___ Material _ Type____ Latitude, Longitude Coordinates _ ft. and _ Set Between ___ Latitude: 41.49217 Longitude: 81.60649 GRAVEL PACK (Filter Pack) Voi/Wt. Used 400 LBS. Material/ SILICA SAND Elevation of Well in feet: +/- ft. Method of Installation Poured (gravity) Datum Plane: NAD27 X NAD83 Elevation Source Source of Coordinates: GPS Depth: Placed From: ___ ft. To: _ Well location written description: GROUT Vol/Wt. Used 250 LBS. Material Bentonite pellets/chunks **INNERBELT STUDY SITE 17** Method of Installation Poured (gravity) Depth: Placed From: _ ft. To: _ **DRILLING LOG*** Comments on water quality/quantity and well construction: FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED. Color Texture Formation From FILL MATERIAL 2 GRAVEL AND SAND 16 **WELL TEST *** 0 ft. Pre-Pumping Static Level ____ Date _ Measured from __ Pumping test method ___ Test Rate Duration of Test __ gpm hrs Sustainable Yield Feet of Drawdown _____ ft. __ gpm *(Attach a copy of the pumping test record, per section 1521.05, ORC) Flowing Well?

Yes X No X No PUMP/PITLESS Type of pump__ __ Capacity __ _ft. Pitless Type_ Pump set at ___ Pump installed by I hereby certify the information given is accurate and correct to the best of my knowledge. Drilling Firm H.A.D. INC. Address 9797 BENNER RD

Date of Well Completion

Aquifer Type (Formation producing the most water.) GRAVEL AND SAND

8/15/2006 Total Depth of Well___

___ Date <u>8/21/20</u>06

City, State, Zip RITTMAN OH 44270

ODH Registration Number _

Signed ____

SUSAN BROMLEY

(Filed Electronically)

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0187042

LOCATION		SITE #17 MW03
	Circle One or Both	
CountyCUYAHOGA Township Owner/Builder TERMIN Circle One or Both	NAL OIL	
Address of Well Location	CENTRAL VIADUCT Street Name	
	Zip Code 44113	
Property Location miles miles		
on then, e, s, w	side of road name	
Location of State Plane s X	Decimal Degrees Degrees Minutes Degrees Min. Sec. 41.49212 Longitude 81	.6872 ft. or m
Elevation of Well +/ ft. or m	Datum Plain: ☐ NAD27 ☐ NAD83	
Source of Coordinates: ☐ GPS ☐ Survey ☐ O	Other(circle-c	ano)
ORIGINAL WELL ODNR Well Log Number		, ,
MEASURED CONSTRUCTION DETAILS	Date of measurements 6/16/2009	
Size of Casing 2" Well Condition Good	Static Water Level 15' Length of casing 7'	
SEALING PROCEDURE Method of Placement Tremmie Grout		
Placement: From17' To1'	Sealing Material Grout DF	Volume 10 Gallons
Was Casing Removed? Yes or No (circle one)		
Condition of Casing Good Perforations: From To To To		
Date Sealing Performed 6/16/2009 Reason(s) for Sealing No Longer Needed		
CONTRACTOR Name H.A.D., Inc. Address 9797 Benner Road	ODH Registration #	
City/State/Zip Rittman, Ohio 44270 Signature Increby certify the information given is accurate and correct to	to the best of my knowledge.	

WELL LOG AND DRILLING REPORT
Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767 Well Log Number.

DNR 7802.05e

13229-6605	2004604					
13229-0005	Page_	1	of_	1	for this record	
CONSTRUCTIO	M DETAI	1 9	:			

WELL LOCATION	CONSTRUCTION DETAILS	
	Drilling Method: AUGER	
County CUYAHOGA Township CLEVELAND	BOREHOLE/CASING (Measured from ground surface) Borehole Diameter 8.25 inches Depth	30 £
TEDAULIAI OII	1 Borehole Diameter 8.25 inches Depth Casing Diameter 2 in. Length 20 ft.Thicknes	os 0.154 ir
TERMINAL OIL Owner/Builder	Borehole Diameterinches Depth	,sf
308 CENTRAL VIADUCT	2 Casing Diameterin. Lengthft.Thicknes	
Address of Well Location	Casing Height Above Ground	f
City CLEVELAND Zip Code +4 44113	1 57.40	
Permit No Section; and or Lot No	Type { 2:	
Use of Well MONITOR	1: Threaded	
Coordinates of Well (Use only one of the below coordinate systems)	Joints 2:	
State Plane Coordinates	SCREEN	4.0
N	Diameter 2 in. Slot Size 0.01 in. Screen Length	ft
S Y ft.		С
Latitude, Longitude Coordinates	Cot Bottroon	fi
Latitude: 41.49212 Longitude: 81.6872	Material/ Size SILICA SAND Size Si	
Elevation of Well in feet: ft.	Size Size Poured (gravity)	
Datum Plane: NAD27 X NAD83 Elevation Source	Method of Installation Depth: Placed From:	8f
Source of Coordinates: GPS		١
Well location written description: INNERBELT STUDY SITE 17	GROUT Material Bentonite pellets/chunks Vol/Wt. Used 300 LBS.	
INNERDELI STODI SITE II	Method of Installation Poured (gravity)	
	Depth: Placed From:18ft. To:2	2 ft
•	Deptil. Fladed From:	
	DRILLING LOG*	
Comments on water quality/quantity and well construction:	FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENC	
		rom To
	FILL MATERIAL	0 2
	SAND	2 30
WELL TEST *	-	
Pre-Pumping Static Level 0 ft. Date		
Measured from		
Pumping test method		
Test Rategpm Duration of Testhrs.		
Feet of Drawdown ft. Sustainable Yield gpi		
*(Attach a copy of the pumping test record, per section 1521.05, ORC)		
Is Copy Attached? Yes X No Flowing Well? Yes X No		
PUMP/PITLESS	-	
Type of pumpgpr	1	
Pump set atft. Pitless Type	-	
Pump installed by	=	
I hereby certify the information given is accurate and correct to the best of my knowledge		
Drilling Firm H.A.D. INC.	-	
Address 9797 BENNER RD	-	
City, State, Zip RITTMAN OH 44270	_	***************************************
Signed SUSAN BROMLEY Date 8/21/2006 (Filed Electronically)	Aquifer Type (Formation producing the most water.) SAND	
	Date of Well Completion 8/15/2006 Total Depth of Wel) 30 ft
ODH Registration Number	Date of troil completion	·

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0180041

LOCATION					annum annum an t-annum annum an t-annum an annum an t-annum an t-annum an t-annum an t-annum an t-annum an t-a	SITE #17 MW04
					rcle One or Both	
County	CUYAHOO	3A Towns	hip CLEVE	LAND Se	ction/Lot Number	
Owner/Builde Circle One or Bo		<u>T</u>	ERMINAL OIL	-		
		308			CENTRAL VIAD	UCT
Address of W	ell Location	Number			Street Name	
City	CLEVELA	ND .		Zip Code	44113	
Property Loca		miles	A S W	of	nearest intersect	on
Description						
	on t	he N n, e, s, w	SIGE	9 01	road name	
Location of	State Pla	ane s X		+/-	" Y	+/- ft or m
Well in either	: { OR	∫Check ONE	☐In Decimal De	grees Degree	s Minutes Degrees Min. Se	c. +/ ft. or m
	(Latitude/	Longitude Latitude _	41.4	19179	Longitude	81.68655
Elevation of V		ft. c				
Elevation of v	VOII	ft. c	orm Datum Fie	III. 🗀 INADZI	INADOS	
Source of Coo	ordinates: [☐ GPS ☐ Survey	☐ Other			
			200	4.617		cle one)
ORIGINAL W	ELL O	ONR Well Log Number	2004	461/	Copy attached? Yes	s∕ór No
MEASURED (CONSTRUC	TION DETAILS	Date	of measurem	ents <u>6/16/2009</u>	
TO THE TOTAL OF THE PARTY OF TH						
Depth of Well	20'	·		_ Static Wate	er Level 10'	
Size of Casing	$\frac{2^n}{2^n}$			_ Length of	casing10'	
Well Condition	1	od				
SEALING PRO	OCEDURE	Transmis Craw				
Method of Plac	cement	Tremmie Grou	I	S.	ealing Material	Volume
Discourse	-	20' To _	1'		_	10 Gallons
Placement:					Д О	
Was Casing R	emoved?					
Condition of C	عاماء	Good				
Condition of C Perforations:	•					
r enorations.	From	To				
Date Sealing F						
Reason(s) for	Sealing _	No Longer Need	ded			
	_					
CONTRACTO	R					
Name	H.A.C)., Inc.		ODH Registr	ation #	
Address		Benner Road				
City/State/Zip	Kittm	an, Ohio 44270				
Signature						
I he	reby certify the in	nformation given is accurate and	correct to the best of	my knowledge.		

DNR 7802.05e

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number

2004617

Page 1 of 1 for this record.

CONSTRUCTION DETAILS WELL LOCATION Drilling Method: AUGER BOREHOLE/CASING (Measured from ground surface) _____ Township CLEVELAND County CUYAHOGA Borehole Diameter 8.25 inches Casing Diameter 2 in. Length 8 ___ ft.Thickness __0.154_in. TERMINAL OIL Borehole Diameter _____inches Depth ____ Owner/Builder ___in. Length ______ ft.Thickness _ 308 CENTRAL VIADUCT Casing Diameter___ Address of Well Location Casing Height Above Ground ___ 1: <u>PVC</u> City CLEVELAND _ Zip Code +4_ Section; _____ and or Lot No. Permit No. _ 1: Threaded Use of Well MONITOR Coordinates of Well (Use only one of the below coordinate systems) SCREEN State Plane Coordinates 0.01 in. Screen Length_ 2__in, Slot Size___ Diameter_ $N \square$ MACHINE SLOTTED ____ Material ____ Туре____ s 🗆 18 ft. and __ Set Between __ Latitude, Longitude Coordinates Longitude: 81.68655 GRAVEL PACK (Filter Pack) Latitude: 41.49179 Vol/Wt. __ Used __400 LBS. Material/ SILICA SAND Elevation of Well in feet: ___ Method of Installation Poured (gravity) Datum Plane: NAD27 X NAD83 Elevation Source ____ ft. To: ___ Depth: Placed From: ____ Source of Coordinates: GPS <u>GROU</u>T Well location written description: Vol/Wt. Used 300 LBS. Material_Bentonite pellets/chunks INNERBELT STUDY SITE 17 Method of Installation Poured (gravity) 6 _____ ft. To: ___ Depth: Placed From: _____ DRILLING LOG* Comments on water quality/quantity and well construction: FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED. From Formation Texture 0 2 **FILL MATERIAL** 2 18 SAND **WELL TEST *** Pre-Pumping Static Level ____ ft. Measured from _ Pumping test method ____ Duration of Test _ _____ gpm Sustainable Yield Feet of Drawdown _____ ft. *(Attach a copy of the pumping test record, per section 1521.05, ORC) Flowing Well? Yes X No X No PUMP/PITLESS gpm __ Capacity _ Type of pump__ _ft. Pitless Type_ Pump set at _____ Pump installed by_ I hereby certify the information given is accurate and correct to the best of my knowledge. Drilling Firm H.A.D. INC. Address 9797 BENNER RD City, State, Zip RITTMAN OH 44270 SUSAN BROMLEY Date 8/21/2006 Aquifer Type (Formation producing the most water.) SAND (Filed Electronically) 8/15/2006 Total Depth of Well___ Date of Well Completion ODH Registration Number

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0180000

SITE #18 MW01

Division of Water 2045 Morse Rd., Bldg B Columbus, OH 43229-6693

Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION Circle One or Both nship CLEVELAND Section/Lot Number_ CLEVELAND FIRE \$ ALTON Township CUYAHQGA County __ Owner/Builder _ Circle One or Both CARNEGIE AVENUE 310 Address of Well Location — Street Name Number 44115 **CLEVELAND** Zip Code City miles _ n, e, s, w **Property Location** Description side of_ on the_ road name $s \Box x | | |$ Location of State Plane Well in either: OR Longitude Latitude/Longitude Latitude _ Elevation of Well __ _{ft. or m} Datum Plain:

NAD27

NAD83 Source of Coordinates:

GPS ☐ Survey ☐ Other_ (circle one) 2004600 Copy attached? Yes or No **ORIGINAL WELL** ODNR Well Log Number _ 6/16/2009 Date of measurements MEASURED CONSTRUCTION DETAILS 36' Depth of Well Static Water Level _ 2" Length of casing _____ Size of Casing Well Condition SEALING PROCEDURE TREMMIE GROUT Method of Placement ___ Volume 15 GALLONS 36' Placement: From _ From _ Yes or No Was Casing Removed? Good (circle one) Condition of Casing From _ Perforations: From _ 6/16/2009 Date Sealing Performed _ No Longer Needed Reason(s) for Sealing CONTRACTOR H.A.D., Inc. 9797 Benner Road ODH Registration # Name Address _ Rittman, Ohio 44270 City/State/Zip Signature I hereby certify the information given is accurate and correct to the best of my knowledge.

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605

DNR 7802.05e

ODH Registration Number

Well Log Number 2004598

Page 1 of 1 for this record. Voice (614) 265-6740 Fax (614) 265-6767 WELL LOCATION Drilling Method: AUGER County CUYAHOGA ___ Township CLEVELAND BOREHOLE/CASING (Measured from ground surface) | Borehole Diameter 8.25 inches 20 Casing Diameter 2 in. Length 10 ft. Thickness 0.154 in. **CLEVELAND FIRE STATION** Owner/Builder Borehole Diameter ___ __inches Depth ____ 310 CARNEGIE AVE Casing Diameter_____in. Length ____ __ ft.Thickness _ Address of Well Location Casing Height Above Ground _ ∫1: <u>PVC</u> City CLEVELAND _ Zip Code +4_ Type Permit No. Use of Well MONITOR Joints Coordinates of Well (Use only one of the below coordinate systems) State Plane Coordinates **SCREEN** Diameter_ 2___in. Slot Size_ in. Screen Length_ MACHINE SLOTTED s \square Υ .. Type_ Material Latitude, Longitude Coordinates Set Between _ ft. and Longitude: 81.68779 Latitude: 41.49302 GRAVEL PACK (Filter Pack) Vol/Wt. Used 350 LBS. Material/ Size #7 SILICA SAND +/- ____ ft. Elevation of Well in feet: 603 **GPS** Method of Installation Poured (gravity) Datum Plane: NAD27 X NAD83 Elevation Source Source of Coordinates: GPS Depth: Placed From: ft. To: Well location written description: GROUT Material Bentonite pellets/chunks Used _150 LBS. **INNERBELT STUDY SITE 18** Method of Installation Poured (gravity) 8 Depth: Placed From: ft. To: **DRILLING LOG*** Comments on water quality/quantity and well construction: FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED Color Texture Formation From CONCRETE SAND 1 20 WELL TEST * Pre-Pumping Static Level ___ Dàte Measured from ___ Pumping test method ____ Duration of Test . Test Rate ___ gpm Feet of Drawdown __ ft. Sustainable Yield gpm *(Attach a copy of the pumping test record, per section 1521.05, ORC) Flowing Well? Yes Is Copy Attached? Yes X No X No PUMP/PITLESS Type of pump_ Capacity gpm Pump set at __ _ft. Pitless Type_ Pump installed by_ I hereby certify the information given is accurate and correct to the best of my knowledge. Drilling Firm H.A.D. INC. Address 9797 BENNER RD City, State, Zip RITTMAN OH 44270 Signed SUSAN BROMLEY (Filed Electronically) Aquifer Type (Formation producing the most water.) SAND

Date of Well Completion

8/16/2006

_ Total Depth of Well_

DNR 7810.06~

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0179999

Division of Water 2045 Morse Rd., Bldg B Columbus, OH 43229-6693

Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION						,	SITE#18 MWUZ
				Cir	cle One or Both		
County(CUYAHOG	A Towns	ship <u>CLEV</u>	ELAND Sec	ction/Lot Number_		
		CL	_EVELAND FI	RESIATION			
Circle One or Both		310		•	CARNEGIE A	VENUE	
Address of We		Number			Street Nan	ne	
City	CLEVELAN	D		Zin Code	44115		
		miles		_ of			
Property Locat Description							
Besonption	on th	N ☐ n, e, s, w	, sid	e of	road	name	
1 4: 4		N 🗆 🔻 V	,	1 1 .			
Location of Well in either:		ne s A L	- On Docimal D	agrees Degrees	ft. or m s Minutes Degrees N	Ain Sec	+/ ft. or m
von in onnor.	l atitude/l	$\left\{ egin{aligned} ext{Check ONE} \ ext{Latitude} \end{aligned} ight.$		egrees Degrees	Lonaitude	AIII. Oec.	
	Lamuder	ongitude (Latitude _					
Elevation of W	'ell	+/ ft.	_{or m} Datum P	lain: □ NAD27	□ NAD83		
Source of Coo	rdinates: 🗆	GPS □ Survey	☐ Other				
			200	04600		(circle one	
ORIGINAL WE	ELL OD	NR Well Log Numbe	ſ		Copy attached	?(Yes òr No)
MEASURED C	ONSTRUC	TION DETAILS	Date	e of measureme	ents6/16	/2009	
D 11 (M/11	30'			01-4'- 14/-1	25'		
Depth of Well	2"	d		Static wate	er Level20'		
Size of Casing Well Condition	Goo	d		Lengin or c	asing		
vvon Condition							
SEALING PRO	CEDURE						Λ.
Method of Plac		TREMMIE GF	ROUT				
			41	Se	ealing Material		Volume
Placement:	From	30' To _	1'		GROUT DF		15 GALLONS
	From	To _					
	From	To _					
Was Casing Bo	movod?	Yes or No					
vvas Casing ne	aniovea:	(circle one)					
Condition of Ca	asing	Good	:				
Perforations:	From	To	*****				
	From	To		and the second s			
		6/16/2009					
Date Sealing Po		No Longer Nee	eded				
Reason(s) for S	sealing	140 Longer 14cc	<u> </u>				
	54			-			
CONTRACTOR	?		-				
Name	H.A.D			ODH Registra	ation #		
Address		Benner Road an, Ohio 44270		_			
City/State/Zip		an, Onio 44270					
Oime - ture	47						
Signature	eby certify the inf	ormation given is accurate an	d correct to the best of	of my knowledge.			

WELL LOG AND DRILLING REPORT

DNR 7802.05e

ODH Registration Number

Ohio Department of Natural Resources Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605 Well Log Number 2004600

Voice (614) 265-6740 Fax (614) 265-6767 Page 1 of 1 for this record. **WELL LOCATION CONSTRUCTION DETAILS** Drilling Method: AUGER _ Township <u>CLEVELAND</u> BOREHOLE/CASING (Measured from ground surface) County CUYAHOGA Borehole Diameter 8.25 inches 28 2 in. Length 18 __ ft.Thickness __0.154_in. **CLEVELAND FIRE STATION** Casing Diameter____ Owner/Builder Borehole Diameter _____ inches Depth ___ 310 CARNEGIE AVE Casing Diameter____ _in. Length ____ __ ft.Thickness ___ Address of Well Location Casing Height Above Ground ____ City CLEVELAND __ Zip Code +4_______44115 Permit No. and or Lot No. 1: Threaded Use of Well MONITOR Joints 9 Coordinates of Well (Use only one of the below coordinate systems) State Plane Coordinates SCREEN 2 in. Slot Size 0.01 __ in. Screen Length_ N \square Χ ___ Diameter__ Υ ___ Type____ MACHINE SLOTTED s 🗆 Material 18 Latitude, Longitude Coordinates Set Between _____ ___ ft. and __ Longitude: 81.68729 Latitude: 41.49261 GRAVEL PACK (Filter Pack) Vol/Wt. __ Used _500 LBS. Material/ Size #7 SILICA SAND Elevation of Well in feet: _____ 666 ___+/-_____ ft. Method of Installation Poured (gravity) **GPS** Datum Plane: NAD27 X NAD83 Elevation Source Source of Coordinates: GPS Depth: Placed From: ___ ft. To; _ GROUT Well location written description: Vol/Wt. Used __350 LBS. Material Bentonite pellets/chunks INNERBELT STUDY SITE 18 Method of Installation Poured (gravity) Depth: Placed From: 16 __ ft. To: _ DRILLING LOG* Comments on water quality/quantity and well construction: FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED. Color Texture Formation From To CONCRETE 0 1 SAND 28 **WELL TEST *** Pre-Pumping Static Level _____ ft. Date Measured from _ Pumping test method ____ Test Rate Duration of Test _ _____ gpm Sustainable Yield Feet of Drawdown _____ ft. *(Attach a copy of the pumping test record, per section 1521.05, ORC) Flowing Well? Yes X No X No PUMP/PITLESS Type of pump__ Pump set at _____ft. Pitless Type_ Pump installed by I hereby certify the information given is accurate and correct to the best of my knowledge. Drilling Firm H.A.D. INC. Address 9797 BENNER RD City, State, Zip RITTMAN OH 44270 SUSAN BROMLEY ____ Date <u>8/21/200</u>6 Signed ___ (Filed Electronically) Aquifer Type (Formation producing the most water.) SAND Date of Well Completion 8/17/2006 Total Depth of Well__

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0181044

LOCATION	TO THE PARTY OF TH	SITE #19 MW01
	Circle One or Both	
CountyCUYAHOGA Township	CLEVELAND Section/Lot Number	
Owner/Builder GILLOTA	FUEL PRODUCTS	
Circle One or Both	CENTRAL VIADU	CT
Address of Well Location 206-300 Number	CENTRAL VIADU(Street Name	
City CLEVELAND	Zip Code44113	
Property Location — miles — n, e, s, w	Zip Code 44113 nearest intersection	· · · · · · · · · · · · · · · · · · ·
N □	side ofroad name	
Location of State Plane S . X	cimal Degrees Degrees Minutes Degrees Min. Sec.	#/ ft. or n
Well in either: OR	cimal Degrees Degrees Minutes Degrees Min. Sec. 41.49249 Longitude	01 (0(7)
Latitude/Longitude Latitude	41.49 <u>/</u> 49 Longitude	31.080/3
Elevation of Well +/ ft. or m Da	utum Plain: NAD27 NAD83	
Source of Coordinates: ☐ GPS ☐ Survey ☐ Oth		
ORIGINAL WELL ODNR Well Log Number		e one) or No
Oniginal Well Odin Well Log Number		·
MEASURED CONSTRUCTION DETAILS	Date of measurements 6/16/2009	
Depth of Well 30'	Static Water Level20'	
Size of Casing	Static Water Level 20' Length of casing 20'	
Well Condition Good		
SEALING PROCEDURE _		
Method of Placement Tremmie Grout	Sealing Material	Values s
	Coaming Material	
	Grout DF	
From 10 10		
110111		
Was Casing Removed? Yes or No		
Condition of Cooling Good		
Condition of Casing		
From To		
Date Sealing Performed6/16/2009		
Reason(s) for Sealing No Longer Needed		
CONTRACTOR		
Name H.A.D., Inc. Address 9797 Benner Road	ODH Registration #	
7 ddi 655		1
City/State/Zip Rittman, Onio 44270		
Signature Time Tille		
1 hereby certify the information given is accurate and correct to t	he best of my knowledge.	

WELL LOG AND DRILLING REPORT
Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

DNR 7802.05e

Well Log Number

2004597

Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS	
	Drilling Method: AUGER	
County CUYAHOGA Township CLEVELAND	BOREHOLE/CASING (Measured from ground surface) Sorehole Diameter 8.25 inches Depth 35	•
GILLOTA FUEL PRODUCTS	1 { Borehole Diameter 8.25 inches Depth 35 Casing Diameter 2 in. Length 25 ft. Thickness 0.154	_ π in
Owner/Builder	Borehole Diameterinches Depth	
206300 CENTRAL VIADUCT	2 Casing Diameterin. Lengthft.Thickness	
Address of Well Location	Casing Height Above Ground	ft
City CLEVELAND Zip Code +4 44113	Type {1: PVC	
Permit No Section; and or Lot No	l (2;	
Use of Well_MONITOR	Joints { 1: Threaded 2:	
Coordinates of Well (Use only one of the below coordinate systems)	1	
State Plane Coordinates +/	SCREEN Diameter 2 in. Slot Size 0.01 in. Screen Length 10	-
N □ X	Type MACHINE SLOTTED Material PVC	, IL.
Latitude, Longitude Coordinates	Set Between 35 ft. and 25	ft
		_ 10.
Latitude: 41.49249 Longitude: 81.68673 Elevation of Well in feet: 740 +/- ft.	Material/ #7 SILICA SAND Used 350 LBS.	
Datum Plane: NAD27 X NAD83 Elevation Source GPS	Method of Installation Poured (gravity)	
Source of Coordinates: GPS	Depth: Placed From: 35 ft. To: 23	_ ft
Well location written description:	GROUT Vol/Wt	
INNERBELT STUDY SITE 19	Material Bentonite pellets/chunks Vol/Wt. Used 650 LBS.	
	Method of Installation Poured (gravity)	
	Depth: Placed From: 23 ft. To: 2	ft.
	DRILLING LOG*	_
Comments on water quality/quantity and well construction:	FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED	Д
	Color Texture Formation From To	
	CONCRETE	1
	SAND 1 3	35
WELL TEST *	-	
^		
Pre-Pumping Static Level ft. Date Measured from		
Pumping test method		
rest Rate gpm Duration of Testhrs.		
eet of Drawdown ft. Sustainable Yield gpm		
(Attach a copy of the pumping test record, per section 1521.05, ORC)		
© Copy Attached? ☐ Yes X No Flowing Well? ☐ Yes X No		
DIMBIDITI FOO		
PUMP/PITLESS		7
ype of pumpgpm		
rump set atft. Pitless Type		
rump installed by		7
I hereby certify the information given is accurate and correct to the best of my knowledge.		7
rilling Firm H.A.D. INC.		"
ddress 9797 BENNER RD		-
ity, State, Zip <u>RITTMAN OH 44270</u> igned		
igned SUSAN BROMLEY Date 8/21/2006 (Filed Electronically)	Aquifer Type (Formation producing the most water.) SAND	
DH Registration Number	240/0000	ft.

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0180039

Division of Water 2045 Morse Rd., Bldg B Columbus, OH 43229-6693

Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION		STE #20 MW02
	Circle One or Both	N ₄
County CHYAFIOGA Township		
Owner/Builder EARL	<u>LEE</u>	
Circle One or Both	CANAL BOAD	
Address of Well Location	CANAL ROAD Street Name	
City CLEVELAND	7in Code 44113	
City CLEVELAND Property Location miles n, e, s,	ofof	Han
Description n, e, s,	w nearest intersec	lion
on then, e, s, w	side of road name	
Location of State Plane S X		+/-
Well in either: OR Check ONE	n Decimal Degrees Degrees Minutes Degrees Min. Se	ec. nt. or m
Latitude/Longitude Latitude	41.49206 Longitude	81.68625}
Elevation of Well +/ ft. or m	Datum Plain: ☐ NAD27 ☐ NAD83	
Source of Coordinates: GPS Survey	Other	
		rcle one)
ORIGINAL WELL ODNR Well Log Number	2003978 Copy attached? Ye	s or No
MEASURED CONSTRUCTION DETAILS	Date of measurements 6/15/2009	9
Depth of Well 23'	Static Water Level20'	
Size of Casing 2"	Length of casing 13 '	
Well Condition Good		
SEALING PROCEDURE		
Method of Placement Tremmie Grout		
	Sealing Material	
Placement: From23' To	1' Grout DF	10 Gallons
From 10		
Was Casing Removed? Yes or No (circle one)		·
Condition of Casing Good		
Perforations: From To		
From To		
Date Sealing Performed 6/15/2009		
Date Sealing Performed 6/15/2009 Reason(s) for Sealing No Longer Needed	A CONTRACTOR OF THE PROPERTY O	
Tricusori(s) for occurring		
CONTRACTOR Name H.A.D., Inc.	ODH Posistration #	
Name H.A.D., Inc. Address 9797 Benner Road	ODH Registration #	
City/State/Zip Rittman, Ohio 44270		
11/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1/1		
Signature hereby certify the information given is accurate and correct	nt to the hest of my knowledge	

DNR 7802.05e

WELL LOG AND DRILLING REPORT
Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number 2003978 Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS					
WELL LOOKHON	Drilling Method: AUGER					
County CUYAHOGA Township CLEVELAND	BOREHOLE/CASING (Measured from ground surface)					
County COTATIONA TOWNSHIP OFFICE AND	. Borehole Diameter 8.25 inches Depth 2	22 ft				
EARL LEE	Casing Diameter 2 in. Length 12 ft. Thickness	0.154_in				
EARL LEE Owner/Builder	Sorehole Diameterinches Depth					
2394 CANAL RD	2 Casing Diameterin. Lengthft.Thickness					
Address of Well Location	Casing Height Above Ground	ft				
	1: PVC					
City CLEVELAND Zip Code +4 44113	Type { 1: 1 1 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3					
Permit No Section; and or Lot No	1: Threaded					
Use of Well_MONITOR	Joints {					
Coordinates of Well (Use only one of the below coordinate systems) State Plane Coordinates	Joints 2:					
N □ X ft.	Diameter 2 in. Slot Size 0.01 in. Screen Length	ft.				
s	Type MACHINE SLOTTED Material PVC					
Latitude, Longitude Coordinates		ft				
Latitude: 41.49206 Longitude: 81.68625	Cot Bottleon					
Elevation of Well in feet: ft.	GRAVEL PACK (Filter Pack) Material/ Size Size Vol/Wt. Used 400 LBS.					
	Size Size Osed Osed Method of Installation Poured (gravity)					
Datum Plane: NAD27 X NAD83 Elevation Source		_ fi				
Source of Coordinates: GPS	Dopul. 1 labour 101111					
Well location written description:	GROUT Vol/Wt. Material Bentonite pellets/chunks Vol/Wt. Used 350 LBS.					
INNERBELT STUDY SITE #20	Method of Installation Poured (gravity)					
		ft.				
	Depth: Placed From: 10 ft. To: 2	п.				
	DRILLING LOG*					
Comments on water quality/quantity and well construction:	FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOU	UNTERED.				
Sommerico de maior quanty quanty	Color Texture Formation From					
		0 2				
·	CLAY	2 22				
WELL TEST *						
Pre-Pumping Static Level ft. Date						
Measured from						
Pumping test method						
Test Rate gpm Duration of Testhrs.						
Feet of Drawdown ft. Sustainable Yield gpm						
*(Attach a copy of the pumping test record, per section 1521.05, ORC)						
Is Copy Attached? Yes No Flowing Well? Yes No						
5 <u> </u>						
PUMP/PITLESS						
Type of pumpgpm						
Pump set atft. Pitless Type						
Pump installed by						
I hereby certify the information given is accurate and correct to the best of my knowledge.						
Drilling Firm H.A.D. INC.						
Address 9797 BENNER RD						
City, State, Zip RITTMAN OH 44270						
Signed SUSAN BROMLEY Date 7/19/2006						
(Filed Electronically)	Aquifer Type (Formation producing the most water.) CLAY					
ODH Registration Number	Date of Well Completion 7/18/2006 Total Depth of Well_	22 ft.				

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0180038

Division of Water 2045 Morse Rd., Bldg B Columbus, OH 43229-6693

Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION	Annual State of Chicago, and the state of th					SITE #20 MW03		
					cle One or Both			
CountyC	CUYAHOG	ATownsh	ip CHAGR	IN FALLS ^{ec}	tion/Lot Number			
Owner/Builder Circle One or Both		E/	ARL LEE					
		2394			CANAL ROAD			
					CANAL ROAD Street Name			
CityC	LEVELAN	D		Zip Code	44113			
Property Locat	ion	milesn,	e, s, w	of	nearest intersectio	n .		
Description								
	OH ti	N □ n, e, s, w	3ide	OI	road name			
Location of	State Pla	ne s 🗆 X		+/ f	t or m	+/ ft. or m		
Well in either:	OR	∫ Check ONE	☐In Decimal Deg	rees Degrees	Minutes Degrees Min. Sec.			
	L atitude/L	_ongitude Latitude	41.49	9161	Longitude	81.68762J		
Elevation of We	ell 📗 📗	ft. or	_{r m} Datum Plai	in: 🗆 NAD27	□ NAD83			
Source of Coor	rdinates: 🗆	GPS □ Survey	☐ Other		And the second s			
			2004		(circl	e one)		
ORIGINAL WE	LL OD	NR Well Log Number	2004.	521	Copy attached? Yes	or)No		
MEASURED C	ONSTRUC	TION DETAILS	Date o	of measureme	ents6/15/2009			
Depth of Well	23'			Static Wate	r Level20'			
Size of Casing 2"			,	Static Water Level 20' Length of casing 13'				
Well Condition	Goo	d						
SEALING PRO	CEDURE							
Method of Place	ement	Tremmie Grout		0-	alina Matarial	Volume		
					aling Material			
Placement:	From	10 To]	Giodi	DF	10 Gallons		
					•			
Was Casing Re	moved?	Yes or No						
Condition of Co	-!	Good						
Condition of Ca Perforations:		To				The state of the s		
i chorations.	From	To						
		0.44.E.100000						
Date Sealing Pe		6/15/2009		<u></u>				
Reason(s) for S	ealing _ 	No Longer Need	ea					
CONTRACTOR			,					
Name	H.A.D.	, Inc.		ODH Registra	ution #			
Address		Benner Road						
City/State/Zip	- Killina	n, Ohio 44270						
Signature	ATTIM	- <i>11/1//</i> ///						
I here	by certify the inf	ormation given is accurate and	correct to the best of n	ny knowledge.	_			

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

DNR 7802.05e

Well Log Number

2004527
Page 1 of 1_ for this record.

CONSTRUCTION DETAILS **WELL LOCATION** Drilling Method: AUGER BOREHOLE/CASING (Measured from ground surface) ___ Township CHAGRIN FALLS County <u>CUYAHOGA</u> 1 Borehole Diameter ____ 8.25 inches Casing Diameter 2 in. Length 14 ft.Thickness 0.154 in. LEE **EARL** | Borehole Diameter _____inches Depth _____ Owner/Builder ____in. Length _____ ft.Thickness ___ Casing Diameter___ 2394 CANAL RD Casing Height Above Ground ___ Address of Well Location City CLEVELAND _ Zip Code +4_ Section; _____ and or Lot No._ Permit No. _ 1: Threaded Use of Well MONITOR Coordinates of Well (Use only one of the below coordinate systems) SCREEN State Plane Coordinates 0.01 in. Screen Length_ 2 in. Slot Size_ Diameter__ N 🗆 X _ MACHINE SLOTTED ____ Material ____ Type____ s 🗆 Y_ 14 24 __ ft. and ___ Set Between ___ Latitude, Longitude Coordinates _ Longitude: <u>81.</u>68762 GRAVEL PACK (Filter Pack) Latitude: 41.49161 Vol/Wt. __ Used __450 LBS. Material/ #7 SILICA SAND 602 +/-_____ft. Elevation of Well in feet: ___ Method of Installation Poured (gravity) **GPS** Datum Plane: NAD27 X NAD83 Elevation Source ____ ft. To: __ Depth: Placed From: _____ Source of Coordinates: GPS GROUT Vol/Wt. Used 250 LBS. Well location written description: Material Bentonite pellets/chunks Method of Installation Poured (gravity) 12 _____ ft. To: ___ Depth: Placed From: _____ DRILLING LOG* FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED. Comments on water quality/quantity and well construction: From Formation Color Texture 3 FILL MATERIAL 10 3 CLAY AND SAND 24 SAND 10 SILTY **WELL TEST *** 0 ft. Pre-Pumping Static Level ____ Date _ Measured from _____ Pumping test method _____ Duration of Test ___ hrs. Test Rate _ _____ gpm Sustainable Yield Feet of Drawdown _____ ft. __ gpm *(Attach a copy of the pumping test record, per section 1521.05, ORC) Flowing Well? Yes X No X No PUMP/PITLESS Type of pump___ _ Capacity . Pump set at _____ft. Pitless Type_ Pump installed by_ I hereby certify the information given is accurate and correct to the best of my knowledge. Drilling Firm H.A.D. INC. Address 9797 BENNER RD City, State, Zip RITTMAN OH 44270 _____ Date <u>8/15/2006</u> SUSAN BROMLEY Aquifer Type (Formation producing the most water.) SAND (Filed Electronically) 8/11/2006 Total Depth of Well 24 Date of Well Completion ODH Registration Number _

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

Division of Water

2045 Morse Rd., Bldg B Columbus, OH 43229-6693 Voice: (614) 265-6740 Fax: (614) 265-6767

(may		1	£22.	80	40	50
8 8	- 15	1	3 6	E B	15	No.
Tours.	derem's	€ 3	1.2	Carro	L.	

LOCATION						SIE#	21 MW01
					Circle One or Both		
				CLEVELAND PROPERTIES	••	er	
Address of Well	I Location	1996	3			RD STREET	
C	LEVELAND	Number			Street I	Name 3	
City —		miles		Zip Co of	au		
Property Location Description	on on the_					at intersection	
Location of Well in either:	State Plane OR Latitude/Long	S X L		Decimal Degrees D	egrees Minutes Degree	+/-	ft. or r
Elevation of We	ell	+/-	_{ft. or m} [Datum Plain: 🗆 N	AD27 🗆 NAD83	·	
Source of Coord	dinates: □ GF	PS □ Surve	у 🗆 О	therMap_		(circle one)	
ORIGINAL WEL	L ODNR	Well Log Numb	er	2004522	Copy attach		
MEASURED CO	ONSTRUCTIO	N DETAILS		Date of meas	urements6	03/2009	
Depth of Well Size of Casing Well Condition	13' 2" Good			Static Leng		RY	
SEALING PROC Method of Place		Tremmie Gr	out.				
•					Sealing Material		
	From1	To			Grout DF		lons
Was Casing Rer	moved?	Yes or No (circle one))				
	SITIY	ood 13' To		1'			
Date Sealing Pe Reason(s) for Se		6/03/2009 No Longer Ne	eded				
CONTRACTOR Name Address	H.A.D., Ir 9797 Ber	nner Road		ODH Re	egistration #		
City/State/Zip	Rittman,	Ohjo 44270		•		•	
Signature	by certify the informa	tion given is accurate a	and correct t	to the best of my knowled	ge.		

WELL LOG AND DRILLING REPORT
Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

DNR 7802.05e

Well Log Number 2004522

Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS
	Drilling Method: AUGER
County CUYAHOGA Township CLEVELAND	BOREHOLE/CASING (Measured from ground surface)
	Borehole Diameter 8.25 inches Depth 15 ft.
WHITE PROPERTIES	Casing Diameter 2 in. Length 10 ft.Thickness 0.154 in.
Owner/Builder	2 Borehole Diameterinches Depthft. Casing Diameterin. Lengthft.Thicknessin.
1996 W ST 3RD	Casing Diameterin. Lengthft.Thicknessin.
Address of Well Location	Casing Height Above Groundft.
City CLEVELAND Zip Code +4 44113	
Permit No Section; and or Lot No	Type { 2:
Use of Well MONITOR	Joints {1: Threaded 2:
Coordinates of Well (Use only one of the below coordinate systems)	Joints 2:
State Plane Coordinates	SCREEN
N □ X ft. S □ Y ft.	Diameter 2 in. Slot Size 0.01 in. Screen Length 10 ft.
S Y ft.	Type MACHINE SLOTTED Material PVC
Latitude, Longitude Coordinates	Set Between 15 ft. and 5 ft.
Latitude: 41.49041 Longitude: 81.6881	GRAVEL PACK (Filter Pack)
Elevation of Well in feet: ft.	GRAVEL PACK (Filter Pack) Material/ Size #7 SILICA SAND Used 350 LBS.
Datum Plane: NAD27 X NAD83 Elevation Source GPS	Method of Installation Poured (gravity)
Source of Coordinates: GPS	Depth: Placed From: 15 ft. To: 3.5 ft
Well location written description:	GROUT Vol/Wt.
INNERBELT STUDY SITE 21	Material Bentonite pellets/chunks Vol/Wt. Used 50 LBS.
	Method of Installation Poured (gravity)
	Depth: Placed From: 3.5 ft. To: 2 ft.
·	DRILLING LOG*
Comments on water quality/quantity and well construction:	
Comments on water quality/quantity and well constitution.	FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED. Color Texture Formation From To
	5101021
	SAND AND GRAVEL 3 15
WELL TEST *	
Pre-Pumping Static Level0 ft. Date	
Measured from	
Pumping test method	
Test Rategpm Duration of Testhrs.	
Feet of Drawdown ft. Sustainable Yield gpm	
*(Attach a copy of the pumping test record, per section 1521.05, ORC)	
s Copy Attached? Yes No Flowing Well? Yes No	
PUMP/PITLESS	
Pump set atft. Pitless Type	
Pump installed by I hereby certify the information given is accurate and correct to the best of my knowledge.	
Drilling Firm H.A.D. INC.	
Address 9797 RD BENNER	
City, State, Zip <u>RITTMAN OH 44270</u> Signed SUSAN BROMLEY Date 8/15/2006	
Signed Date <u>8/15/2006</u> (Filed Electronically)	Aquifer Type (Formation producing the most water.) SAND AND GRAVEL
ODH Registration Number	Date of Well Completion 8/10/2006 Total Depth of Well 15 ft.
JULI DEGISTATOR NUMBER	The second secon

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0187020

Division of Water 2045 Morse Rd., Bldg B Columbus, OH 43229-6693

Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION						511 #21 WIW 02
					One or Both	
CountyC	CUYAHOG	ATownsh	DIPCLEVE		on/Lot Number	
Owner/Builder Circle One or Both		WI	HITE PROPE	KIIES		
Address of We		1996			WEST 3RD STRI	EET
		Number			Street Name	
City — C	LEVELAN		-	21p 0000	44113	
Property Locat	ion	milesn, e		of	nearest intersection	on
Description	on th	ne	side	of	road name	
	_	1 N []				1 11 1 1 ;
Location of Well in either:	State Pla	ne s 🗆 X	□ In Desimal Des	⊥ +/ ft.	or m ∕linutes	## ft. or m
wen in enner.	OR latitude/l	Check ONE _ongitude Latitude	41.4	.9105	Longitude	
	Lamacri					
Elevation of W	ell	+/ ft. or	_m Datum Pla	ain: 🗆 NAD27	□ NAD83	
Source of Coo	rdinates. 🗆	GDS - Survey	□ Other			
Source or Soon	rumates.	di 3 - Garvey			(circ	cle one)
ORIGINAL WE	LL OD	NR Well Log Number	2004057	7	Copy attached? Yes	or No
NATA CUDED C	ONCTOLIC	TION DETAILS	Date	of measuremer	ats 6/03/2009	
WEASURED C	ONSTRUC		·			
Depth of Well	17'			_ Static Water	Level 10'	
Size of Casing	2"			Length of ca	sing	
Well Condition	Goo	d			-	
	·					
SEALING PRO	CEDURE					
Method of Plac		Tremmie Grout		Soo	ling Material	Volume
	_	17' -	1'		-	
Placement:		To To				
Was Casing Re	emoved?	Yes or No (circle one)				
O		Good				
Condition of Ca Perforations:		То				
i chorations.		То				
		6/02/2000				
Date Sealing P		6/03/2009 No Longer Need				•
Reason(s) for S	sealing _	No Longer Need	eu			
CONTRACTOR	3			00110 ' '	in a H	
Name	H.A.D 9797	., Inc. Benner Road		ODH Registrat	ion #	
Address City/State/Zip		an, Ohio 44270				
Oity/Otate/Zip		1461				
Signature	Minde	1////	named to the back of	f my knowledge		
l her	eby certify the in	nformation given is accurate and	correct to the best of	тну кноміваде.		

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605 Voice (614) 265-6740 Fax (614) 265-6767

Well Log	Number
2004	057

DNR 7802.05e

Page 1 of 1 for this record. CONSTRUCTION DETAILS **WELL LOCATION** Drilling Method: AUGER BOREHOLE/CASING (Measured from ground surface) __ Township CLEVELAND County CUYAHOGA Borehole Diameter 8.25 inches Depth ___ ft.Thickness __0.154_in. Casing Diameter 2 in. Length 6 WHITE PROPERTIES Owner/Builder ____inches Depth ___ Borehole Diameter _____ Casing Diameter____in. Length _____ft.Thickness ___ 1996 W ST 3RD Address of Well Location Casing Height Above Ground ___ ∫1: <u>PVC</u> 44113 City CLEVELAND Zip Code +4____ Section; _____ and or Lot No. Permit No. 1: Threaded Use of Well MONITOR Joints 1 Coordinates of Well (Use only one of the below coordinate systems) SCREEN State Plane Coordinates ___ in. Screen Length____ 2___ in. Slot Size__ Diameter__ N 🗆 X __ MACHINE SLOTTED PVC Туре____ Material s 🗆 Υ_ Latitude, Longitude Coordinates Set Between ___ ft. and ___ Longitude: 81.68734 Latitude: 41.49105 GRAVEL PACK (Filter Pack) Vol/Wt. _ Used 400 LBS. Material/ Size SILICA SAND Elevation of Well in feet: +/-Method of Installation Poured (gravity) Datum Plane: NAD27 X NAD83 Elevation Source Depth: Placed From: ft. To: Source of Coordinates: GPS Well location written description: GROUT Vol/Wt. Used __100 LBS. Material_Bentonite pellets/chunks Method of Installation Poured (gravity) 5 Depth: Placed From: ____ ft. To: ___ **DRILLING LOG*** FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED. Comments on water quality/quantity and well construction: From Formation Color Texture 0 **FILL MATERIAL** 2 SAND AND CLAY 16 **WELL TEST *** 0 ____ ft. Pre-Pumping Static Level ____ Date Measured from Pumping test method ____ Duration of Test ___ Test Rate _____gpm Feet of Drawdown _____ ft. Sustainable Yield *(Attach a copy of the pumping test record, per section 1521.05, ORC) X No Flowing Well?

Yes X No PUMP/PITLESS _ Capacity Type of pump___ ____ft. Pitless Type_ Pump set at _ Pump installed by_ I hereby certify the information given is accurate and correct to the best of my knowledge. Drilling Firm H.A.D. INC Address 9797 RD BENNER City, State, Zip RITTMAN OH 44270 SUSAN BROMLEY Date 7/25/2006 Aquifer Type (Formation producing the most water.) SAND AND CLAY (Filed Electronically) Date of Well Completion 7/19/2006 Total Depth of Well_ ODH Registration Number

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0180019

Division of Water 2045 Morse Rd., Bldg B Columbus, OH 43229-6693

Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION			of the carbinol to a series energies (i.e. of the above and and	**************************************			SITE #21 MW03
					Circle One or Both		
County(Owner/Builder Circle One or Bot	r	iA T	ownshipc WHITE P	ROPERTIES	_ Section/Lot Nun	nber	
Address of We	ell Location	1:	996 er		WEST Stre	3RD STREET	Γ
City							
Property Loca	tion	miles	n, e, s, w	of	nea	arest intersection	
Description	on t	he	e s w	side of		road name	
Location of Well in either:	State Pla	ane s□ ^X	k ONE □In Ded	+/ cimal Degrees [ft. or m Degrees Minutes	grees Min. Sec.	ft. or m
Elevation of W	/ell	+/-	_{ft. or m} Da	tum Plain: 🗆 N	AD27 🗀 NAD8	3	
Source of Coo	ordinates: [∃GPS □ Sι	ırvey 🗆 Oth	er		(circle o	no!
ORIGINAL WE	ELL OF	NR Well Log Nu	mber2	004520	Copy atta	ched? Yes or	•
MEASURED C	CONSTRUC	TION DETAILS		Date of meas	urements	6/03/2009	
Depth of Well Size of Casing				Static	: Water Level	DRY	
Well Condition		od					
SEALING PRO	OCEDURE						
Method of Plac	cement	Tremmie	Grout		Sealing Materia	al	Volume
Placement:	From	10'	To 1'		_		5 Gallons
T ladomona	From		To				
Was Casing Re	emoved?	Yes or No (circle one))				
Condition of Ca	asing	Good					
Perforations:							
	From		To				
Date Sealing P	erformed _	6/03/2009					
Reason(s) for S			Needed				
CONTRACTO	R						
Name	H.A.D	., Inc. Benner Road		ODH R	egistration #		
Address City/State/Zip		an, Ohio 44270					
Oity/Otate/Alp		111/14					
Signature	reby certify the in	nformation given is accu	rate and correct to t	he best of my knowled	 lge.		

WELL LOG AND DRILLING REPORT

DNR 7802.05e

Ohio Department of Natural Resources Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605 Voice (614) 265-6740 Fax (614) 265-6767 Well Log Number

2004520

of 1 for this record.

WELL LOCATION **CONSTRUCTION DETAILS** Drilling Method: AUGER County <u>CUYAH</u>OGA BOREHOLE/CASING (Measured from ground surface) _____ Township CLEVELAND Borehole Diameter 8.25 inches 2 in. Length 4 __ ft.Thickness __0.154_in. WHITE PROPERTIES Casing Diameter___ Owner/Builder _inches Borehole Diameter _ Depth 1996 W ST 3RD Casing Diameter_____in. Length _____ ft, Thickness _ Address of Well Location Casing Height Above Ground _____ City CLEVELAND __ Zip Code +4___ (1: <u>PVC</u> Type Permit No. Section; and or Lot No. 1: Threaded Use of Well MONITOR Joints Coordinates of Well (Use only one of the below coordinate systems) State Plane Coordinates SCREEN 2 in. Slot Size N 🗆 X __ Diameter__ _ in. Screen Length_ s 🗆 Y _ MACHINE SLOTTED Type____ Material Latitude, Longitude Coordinates Set Between ___ ft. and _ Longitude: 81.68938 Latitude: 41.49073 GRAVEL PACK (Filter Pack) Vol/Wt. Used 200 LBS. Material/ Size #7 SILICA SAND Elevation of Well in feet: 635 +/- _____ ft. Method of Installation Poured (gravity) **GPS** Datum Plane: NAD27 X NAD83 Elevation Source Source of Coordinates: GPS Depth: Placed From: ____ ft. To: ____ Well location written description: GROUT Vol/Wt. #103 Used __50 LBS. Material_Bentonite pellets/chunks **INNERBELT STUDY SITE 21** Method of Installation Poured (gravity) Depth: Placed From: _ ft. To: **DRILLING LOG*** Comments on water quality/quantity and well construction: FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED. Color Texture From Formation To ASPHALT 0 0.5 CONCRETE 0 2 SAND AND GRAVEL 2 10 **WELL TEST *** 0 ___ ft. Pre-Pumping Static Level ____ Date Measured from _____ Pumping test method _ _ gpm Duration of Test hrs Feet of Drawdown _____ ___ ft. Sustainable Yield _gpm *(Attach a copy of the pumping test record, per section 1521.05, ORC) X No Flowing Well? Yes X No **PUMP/PITLESS** Type of pump____ ____ft. Pitless Type_ Pump set at _ Pump installed by_ I hereby certify the information given is accurate and correct to the best of my knowledge Drilling Firm H.A.D. INC. Address 9797 RD BENNER City, State, Zip RITTMAN OH 44270 SUSAN BROMLEY Signed _____ _____ Date <u>8/15/2006</u> (Filed Electronically) Aquifer Type (Formation producing the most water.) SAND AND GRAVEL Date of Well Completion____ 8/10/2006 Total Depth of Well ODH Registration Number

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0180013

LOCATION						SITE #22 MV	W02
				Circle One			
Owner/Builde	er	GA Townsł	^{nip} — CLEVE IOVA PROPEF		ot Number		
					WEST COURT	CTDEET	
Address of W	vell Location	Number			Street Name	STREET	
City ——	CLEVELA	ND		Zip Code ——	44113		
Property Local Description		miles _{n,}	SW (of <u>CARNEGI</u>	E AVENITE & WI	EST 3RD STREET	1
Description	on t	heS n, e, s, w	side o	ofCARNEG	HE AVENUE		
Location of Well in either	r: $\begin{cases} \text{State Pla} \\ \text{OR} \\ \text{Latitude} \end{cases}$	N L	☐In Decimal Degr	+/- rees ☐ Degrees Minute	Y	+/-	ft. or m
Elevation of \	Well	#/ ft. o	_{r m} Datum Plai	n: 🗆 NAD27 🗆	NAD83		
Source of Co	ordinates: [☐ GPS ☐ Survey	☑ Other	Мар	/oirol	le one)	
ORIGINAL W	ELL OF	NR Well Log Number	2004871	Co			
MEASURED	CONSTRUC	TION DETAILS	Date o	of measurements	6/03/2009		
Depth of Well Size of Casing Well Condition	g <u>9'</u> g <u>2</u> " n <u>Go</u>	od					
SEALING PR	OCEDURE						
ivietrioù di Fia	icement			Sealing I	Material	Volume	
Placement:	From	9' To To To To					
Was Casing F	Removed?	Yes or No (circle one)					
Condition of C	Casing	Good					
Perforations:	From		EXECUTE		•		
Date Sealing Reason(s) for		6/03/2009 No Longer Need	ded				
CONTRACTO) I		ODLI Degistration #			
Name Address	H.A.I 9797	D., Inc. Benner Road		חטכ negistration #			
City/State/Zip		nan, Ohio 44270		And the second s			
Signature	ereby certify the in	formation given is accurate and	correct to the best of m	ny knowledge.			

DNR 7802.05e

WELL LOG AND DRILLING REPORT
Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number 2004871 Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS
	Drilling Method: AUGER
County CUYAHOGA Township CLEVELAND	BOREHOLE/CASING (Measured from ground surface) [Borehole Diameter 8.25inches Depth 10 ft
NOVA PROPERTIES	1 Borehole Diameter 8.25 inches Depth 10 ft Casing Diameter 2 in. Length 7 ft.Thickness 0.154 in
NOVA PROPERTIES Owner/Builder	f
W ST 4TH	2 Borehole Diameterinches Depthininininininininin
Address of Well Location	1 2
City CLEVELAND Zip Code +4.	Casing Height Above Ground
Permit No Section; and or Lot No	
Use of Well_MONITOR	Joints { 1: Threaded 2:
Coordinates of Well (Use only one of the below coordinate systems)	Joints { 2:
State Plane Coordinates	SCREEN
N	Diameter 2 in. Slot Size 0.01 in. Screen Length 6 ft
S Y +/ ft.	Type MACHINE SLOTTED Material PVC Set Retween 10 ft and 4 ft
Latitude, Longitude Coordinates	OCE Detween
Latitude: 41.48864 Longitude: 81.69112	GRAVEL PACK (Filter Pack) Material/ #7 SILICA SAND Used 200 LBS.
Elevation of Well in feet: 593 +/- ft.	Size #7 SILICA SAND Used Used
Dataili Flaile. NAD21 K NAD00 Lievation course	Depth: Placed From: 10 ft. To: 3.5 ft.
Source of Coordinates: GPS Well location written description:	
INNERBELT STUDY SITE 22	Material Bentonite pellets/chunks Used 70 LBS.
INNERBELT STODT SITE 22	Method of Installation Poured (gravity)
* V	Depth: Placed From: 3.5ft. To: 2ft
	Jopan Fladout tom
	DRILLING LOG*
Comments on water quality/quantity and well construction:	FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.
	Color Texture Formation From To
	GRAVEL 0 2
	SAND AND GRAVEL 2 10
WELL TEST *	
Pre-Pumping Static Level 0 ft. Date	
· ·	
Measured fromPumping test method	
Test Rategpm Duration of Testhrs.	
Feet of Drawdown ft. Sustainable Yieldgpm	
*(Attach a copy of the pumping test record, per section 1521.05, ORC)	
Is Copy Attached? Yes No Flowing Well? Yes No	
PUMP/PITLESS	
Type of pumpgpm	
Pump set atft. Pitless Type	
Pump installed by	
I hereby certify the information given is accurate and correct to the best of my knowledge.	
Drilling Firm H.A.D. INC.	
Address 9797 RD BENNER	
City, State, Zip RITTMAN OH 44270	
Signed SUSAN BROMLEY Date 9/5/2006 (Filed Electronically)	Aquifer Type (Formation producing the most water.) SAND AND GRAVEL
ODH Peristration Number	Date of Well Completion 8/31/2006 Total Depth of Well 10 ft.

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0187014

LOCATION							SITE #22 MW03	
•				the first state of the state of	Circle One or I			
County	CUYAHQO	6A T	ownship(CLEVELAND	_ Section/Lot I	Number	•	
Owner/Builde	r	•••	NOVA PI	ROPERTIES				
Circle One or Bo					. \\/=	CT EOUDTH O	STREET	
Address of W	ell Location	Numb	er		VVL	Street Name	DIINELI	
City	CLEVELAN	ND .		Zip Co	ode	44113		
		miles	SW	of(CARNEGIE A	VENUE & WE	ST 3RD STREET	
Property Loca Description							, .	
Bocompulori	on t	heS	e. s. w	side of	CARNEGIE	AVENUE road name		
Location of	4	$ \begin{array}{cccc} N & \square & \overset{n, +}{\square} \\ N & \square & X & \square & X \end{array} $			v		+/ ft. or m	
Well in either	8	ine s ☐ ^ ☐ Chec	k ONE □In De	cimal Degrees [][—— ft. or m	Degrees Min. Sec.	n. or m	
	Latitude	Longitude Latiti	ude	41.48825	Long	itude	81.69215	
	•							
Elevation of V	Vell	+/-	_{ft. or m} Da	ıtum Plain: 🗌 N	$AD27 \sqcup NA$	AD83		
Source of Coo	ordinates: [∃GPS □ Su	ırvev 🖫 Oth	er Man				
			-			(circl	e one)	
ORIGINAL W	ELL O	NR Well Log Nu	mber2	2004873	Сору	attached? Yes	òr No	
		TON DETAIL O		Data of wares		6/03/2009		
MEASURED (TION DETAILS						
Depth of Well	14'			Statio	: Water Level	5'		
Size of Casing	2"			Leng	Static Water Level 5' Length of casing			
Well Condition	Go:	od						
SEALING PR	OCEDURE							
Method of Pla	cement	Tremmie	Grout					
					_	terial		
Placement:	From	14'	To1'		Grout DF		5 Gallons	
	From		To					
	From		10					
Was Casing R	emoved?	Yes or No)					
Trail Calcing		(circle one)						
Condition of C	asing	Good						
Perforations:	From	,	To					
	From	-	To					
Date Sealing F	Parformad	6/03/2009						
Reason(s) for		No Longer	Needed					
(-,	-	i trija ja≭5aki	e en artist te ting					
		as. Fell "想	Marity					
CONTRACTO) Inc		UDH D	ogistration #			
Name	9797	D., Inc. Benner Road		ODH K	cyisii allui # _			
Address City/State/Zip		nan, Ohio 44270)					
Oity/Otate/21p	10	11111						
Signature	71199h	MAN.			 			
Lhé	ereby certify the i	nformation given is accu	rate and correct to	the best of my knowled	dge.			

Well Log Number

DNR 7802.05e

WELL LOG AND DRILLING REPORT
Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

2004873 Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS			
	Drilling Method: AUGER			
County CUYAHOGA Township CLEVELAND	BOREHOLE/CASING (Measured from ground surface)			
Johnson Johnson	Borehole Diameter 8.25 inches Depth 14 ft			
NOVA PROPERTIES	Casing Diameter 2 in Length 7 ft. Thickness 0.154 in			
Owner/Builder	2 Borehole Diameterinches Depthft			
W ST 4TH	2 Casing Diameterin. Lengthft.Thicknessin			
Address of Well Location	Casing Height Above Ground3ff			
City CLEVELAND Zip Code +4.	(a. PVC			
Permit No Section; and or Lot No	Type { 2:			
Use of Well MONITOR	1. Threaded			
Coordinates of Well (Use only one of the below coordinate systems)	Joints {1: Threaded 2:			
State Plane Coordinates	SCREEN			
N	Diameter 2 in. Slot Size 0.01 in. Screen Length 10 ft			
s	Type MACHINE SLOTTED Material PVC			
Latitude, Longitude Coordinates	Set Between 14 ft. and 4 ft			
Latitude: 41.48825 Longitude: 81.69215				
Elevation of Well in feet:570+/ ft.	GRAVEL PACK (Filter Pack) Material/ #7 SILICA SAND Size 350 LBS.			
Datum Plane: NAD27 X NAD83 Elevation Source GPS	Method of Installation Poured (gravity)			
Source of Coordinates: GPS	Depth: Placed From:			
Well location written description:	CROUT			
INNERBELT STUDY SITE 22 127)	Material Bentonite pellets/chunks Vol/Wt. Used 70 LBS.			
THE RELET GOOD ON 222	Method of Installation Poured (gravity)			
	Depth: Placed From: 3.5 ft. To: 2 ft			
	Doput. Fladout form.			
	DRILLING LOG*			
Comments on water quality/quantity and well construction:	FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.			
	Color Texture Formation From To			
	GRAVEL 0 3			
	SANDY CLAY 3 8			
	SILTY SAND 8 14			
WELL TEST *				
Pre-Pumping Static Level ft. Date				
Measured from				
Pumping test method				
Test Rate gpm Duration of Testhrs.				
Feet of Drawdown ft. Sustainable Yield gpm				
*(Attach a copy of the pumping test record, per section 1521.05, ORC)				
Is Copy Attached? Yes No Flowing Well? Yes No				
· ·				
PUMP/PITLESS				
Type of pump Capacitygpm				
Pump set atft. Pitless Type				
Pump installed by				
I hereby certify the information given is accurate and correct to the best of my knowledge.				
Drilling Firm H.A.D. INC.				
Address 9797 RD BENNER				
City, State, Zip RITTMAN OH 44270				
Signed SUSAN BROMLEY Date 9/5/2006				
(Filed Electronically)	Aquifer Type (Formation producing the most water.) SAND			
ODH Registration Number	Date of Well Completion 8/31/2006 Total Depth of Well 14 ft.			

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0180015

Division of Water 2045 Morse Rd., Bldg B Columbus, OH 43229-6693

Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION				SITE #22 MW0.4
County CUYAH Owner/Builder Circle One or Both	OGA Townshi	P CLEVELAND VA PROPERTIES	Circle One or Both Section/Lot Number	
Address of Well Locat	ionNumber		WEST FOUR Street Name	RTH STREET
CityCLEVEL				
Property Location	milesS\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\			
Location of State Well in either:			ft. or m Degrees Minutes ☐ Degrees Min	n. Sec. ft. or m
Elevation of Well	+/ ft. or i	m Datum Plain: 🗆 N	NAD27 NAD83	
Source of Coordinates	∷ □ GPS □ Survey	☑ OtherMap_		(circle one)
ORIGINAL WELL	ODNR Well Log Number	2004876	Copy attached?	
MEASURED CONSTR	UCTION DETAILS	Date of meas	surements 6/03/2	009
Well Condition	13' 2" Good	Lenç	gth of casing	
SEALING PROCEDUR Method of Placement	RE Tremmie Grout		Sealing Material	Volume
From	13' To To To		Grout DF	5 Gallons
Was Casing Removed	? Yes or No. (circle one)			
Condition of Casing Perforations: From From				
Date Sealing Performe Reason(s) for Sealing		ed		
Address 97 City/State/Zip Ri	A.D., Inc. 97 Benner Road ttman, Ohio 44270	ODH F	Registration #	
Signature (harring and first	the information given in accurate and o	arrest to the heat of my knowle	ndgo	

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605 Voice (614) 265-6740 Fax (614) 265-6767 Well Log Number 2004876

Page 1 of 1 for this record.

DNR 7802.05e

CONSTRUCTION DETAILS WELL LOCATION Drilling Method: AUGER BOREHOLE/CASING (Measured from ground surface) Township CLEVELAND County CUYAHOGA | Borehole Diameter 8.25 inches 12 Casing Diameter 2 in. Length ___ _ft.Thickness _0.154_in. **NOVA PROPERTIES** Borehole Diameter ____ Owner/Builder Depth ____ W ST 4TH Casing Diameter____in. Length ___ ft.Thickness ___ Address of Well Location Casing Height Above Ground _ City CLEVELAND __ Zip Code +4__ Permit No. _ Section; and or Lot No. 1: Threaded Use of Well MONITOR Joints Coordinates of Well (Use only one of the below coordinate systems) SCREEN State Plane Coordinates 2 in. Slot Size _ in. Screen Length___ ΝП Χ_ Diameter__ **PVC** MACHINE SLOTTED s \square Type_ Material Υ_ Latitude, Longitude Coordinates Set Between ft. and Longitude: 81.69279 Latitude: 41.4888 GRAVEL PACK (Filter Pack) Vol/Wt. __ Used _300 LBS. Material/ Size #7 SILICA SAND +/-____ ft. Elevation of Well in feet: _ 590 Method of Installation Poured (gravity) **GPS** Datum Plane: NAD27 X NAD83 Elevation Source Source of Coordinates: GPS Depth: Placed From: _ ft. To: _ Well location written description: GROUT Vol/Wt. Üsed _100 LBS. Material Bentonite pellets/chunks INNERBELT STUDY SITE 22 Method of Installation Poured (gravity) Depth: Placed From: ___ ft. To: __ **DRILLING LOG*** Comments on water quality/quantity and well construction: FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED. From Color Formation 0 2 **GRAVEL** SILTY CLAY 2 8 SILTY SAND 12 **WELL TEST *** Date Pre-Pumping Static Level ____ Measured from ____ Pumping test method ____ Duration of Test Test Rate _____ gpm Feet of Drawdown _____ ft. Sustainable Yield _gpm *(Attach a copy of the pumping test record, per section 1521.05, ORC) Flowing Well?

Yes ☑ No Is Copy Attached? Yes X No PUMP/PITLESS Type of pump.... .gpm __ft. Pitless Type_ Pump set at Pump installed by_ I hereby certify the information given is accurate and correct to the best of my knowledge. Drilling Firm H.A.D. INC. Address 9797 RD BENNER City, State, Zip RITTMAN OH 44270 Signed _____ SUSAN BROMLEY Aquifer Type (Formation producing the most water.) SAND (Filed Electronically) Date of Well Completion 9/1/2006 Total Depth of Well ODH Registration Number

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0180016

Division of Water 2045 Morse Rd., Bldg B Columbus, OH 43229-6693

Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION	MA CONTROLLE SALE YEAR OF A CO. THE CO. THE A CONTRACT OF	Control of the second s			Applications of the plane and the 1970 of the plane of th	SITE #22 MW05
					Circle One or Both	
CountyCl	JYAHOGA	Townsh	ipCLEVE		Section/Lot Number	
Owner/Builder Circle One or Both		NC	OVA PROPER	RTIES		
	LLocation				WEST FOURTH	ISTREET
		Number			Street Name	
City CL	EVELAND			Zip Code	44113	
Property Location		milesS	SW e.s.w	of CA	e <u>44113</u> RNEGIE AVENUE & W nearest intersec	EST 3RD STREET
Description						
	on the	n, e, s, w	Side	UI	ARNEGIE AVENUE road name	
Location of	State Plane	$s \square x $		+/-	ft or m	ec. +/ ft. or m
Well in either: ,	OR	∫Check ONE	☐In Decimal Dec	grees Deg	rees Minutes Degrees Min. Se	ec.
•	(Latitude/Lo	ngitude Latitude	41.4	186813	Longitude	81.690590
Elevation of We		+/ ft. or	. _m Datum Pla	in: 🗆 NAD	D27 □ NAD83	
Source of Coord	dinates: □ G	Survey	M Other	Man		
				•	(c	ircle one)
ORIGINAL WEL	L ODN	R Well Log Number.	2004874	<u> </u>	Copy attached? Ye	es or No
MEASURED CO			and the same against th		ements 6/03/2009	
Depth of Well	<u>10'</u>			_ Static W	/ater Level5'	
Size of Casing	Good		· · · · · · · · · · · · · · · · · · ·	Length	of casing	
Well Condition	G00u_					
SEALING PROC		Tremmie Grout			· .	
Method of Place	ment	Treffiffie Grout			Sealing Material	Volume
Placement:	Erom 1	10' To	1'	Gr	out DF	
W 0 ' D	. 10	(Va) an Ma				
Was Casing Ren	novea?	(circle one)				
Condition of Cas	sing	Good				
	_ ~	To				
I	From	To				
Date Sealing Per	rformed	6/03/2009				
Reason(s) for Se		No Longer Neede	ed			
,						
CONTRACTOR						
Name	H.A.D., I			ODH Regi	stration #	
Address		nner Road				
City/State/Zip _	Rittman	, Ohio 44270				
Signature	11/12/11	11/1/h.				
Thereb	y certify the inform	nation given is accurate and o	correct to the best of	my knowledge.		

DNR 7802.05e

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605 Voice (614) 265-6740 Fax (614) 265-6767 Well Log Number.

2004874

Page 1 of 1 for this record.

CONSTRUCTION DETAILS WELL LOCATION Drilling Method: AUGER BOREHOLE/CASING (Measured from ground surface) County CUYAHOGA Township CLEVELAND Borehole Diameter 8.25 inches 10 _ ft.Thickness __0.154_in. Casing Diameter 2 in. Length ____ **NOVA PROPERTIES** Owner/Builder | Borehole Diameter _____ Depth _____ inches W ST 4TH Casing Diameter____in. Length ___ _ ft.Thickness __ Address of Well Location Casing Height Above Ground _____ Type {1: PVC City CLEVELAND _ Zip Code +4___ Permit No. Section; _____ and or Lot No. 1: Threaded Use of Well MONITOR Coordinates of Well (Use only one of the below coordinate systems) State Plane Coordinates SCREEN 0.01 in. Screen Length_ Diameter___2__in. Slot Size_ N \square MACHINE SLOTTED Material s 🗆 Type_ Latitude, Longitude Coordinates Set Between ___ ft. and _ _ Longitude: 81.69106 Latitude: 41.48715 GRAVEL PACK (Filter Pack) Vol/Wt. Used 200 LBS. Material/ Size #7 SILICA SAND Elevation of Well in feet: 605 +/-_ ft. Method of Installation Poured (gravity) **GPS** Datum Plane: NAD27 X NAD83 Elevation Source Depth: Placed From: _____ Source of Coordinates: GPS ____ ft. To: ___ Well location written description: GROUT Vol/Wt. Used __70 LBS. Material Bentonite pellets/chunks INNERBELT STUDY SITE 22 \$ () Method of Installation Poured (gravity) Depth: Placed From: _ ___ ft. To: __ DRILLING LOG* Comments on water quality/quantity and well construction: FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED. Color Texture Formation From 3 **GRAVEL** 0 3 10 SAND SILTY **WELL TEST *** Pre-Pumping Static Level ____ Measured from ____ Pumping test method ____ Test Rate _____gpm Duration of Test _____hrs. Feet of Drawdown _____ ft. Sustainable Yield _ *(Attach a copy of the pumping test record, per section 1521.05, ORC) X No Flowing Well? Yes X No **PUMP/PITLESS** .gpm Type of pump__ Capacity _ Pump set at _____ft. Pitless Type_ Pump installed by_ I hereby certify the information given is accurate and correct to the best of my knowledge. Drilling Firm H.A.D. INC. Address 9797 RD BENNER City, State, Zip RITTMAN OH 44270 SUSAN BROMLEY Date 9/5/2006 Signed _____ Aquifer Type (Formation producing the most water.) SAND (Filed Electronically) 9/1/2006 Date of Well Completion Total Depth of Well_ ODH Registration Number

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0180002

LOCATION		SILE#23 MW01
O-water OLDVALIO OA Township	Circle One or Both	
County CUYAHOGA Township Owner/Builder NS RA	CLEVELAND Section/Lot Number	
Circle One or Both		
Address of Well Location 840 Number	MINKON LANE	
Number		
City CLEVELAND	Zip Code44113	
	ofnearest intersect	
Description on the E	side of COMMERCIAL ROAD road name	
N □		
Location of Well in either: State Plane S X	Decimal Degrees Degrees Minutes Degrees Min. Se	ft. or m
Latitude/Longitude Latitude	41.49017 Longitude	81.68456
Elevation of Well +/ ft. or m	Datum Plain: ☐ NAD27 ☐ NAD83	
Source of Coordinates: ☐ GPS ☐ Survey 🗷 🤄	Other Map	
	(ci	rcle one)
ORIGINAL WELL ODNR Well Log Number	Copy attached? Ye	s o r No
MEASURED CONSTRUCTION DETAILS	Date of measurements 6/01/2009	
Depth of Well	Static Water Level 18	
Depth of Well Size of Casing Well Condition 19' 2" Good	Length of casing	And the second s
vveii Condition		
SEALING PROCEDURE Method of Placement Tremmie Grout		
	Sealing Material	
Placement: From <u>19'</u> To <u>1</u>	' Grout DF	10 Gallons
From To		
From To		
Was Casing Removed? Yes or No		
(circle one)		
Condition of Casing Good		
Perforations: From To From To		
Date Sealing Performed 6/01/2009		
Reason(s) for Sealing No Longer Needed		
CONTRACTOR		
Name H.A.D., Inc.	ODH Registration #	
Address 9797 Benner Road City/State/Zip Rittman, Ohio 44270		
City/State/Zip Rittman, Onio 442/0		
Signature ////////////////////////////////////		
hereby certify the information given is accurate and correct	ct to the best of my knowledge.	

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605 Well Log Number 2003932

Page 1 of 1 for this record. Voice (614) 265-6740 Fax (614) 265-6767 CONSTRUCTION DETAILS WELL LOCATION Drilling Method: AUGER BOREHOLE/CASING (Measured from ground surface) County CUYAHOGA ___ Township CLEVELAND 8.25 ___inches 30 Borehole Diameter _____ 2 in. Length _____20 __ ft.Thickness __0.154_in. NS RAILROAD BUILDING Casing Diameter____ Owner/Builder | Borehole Diameter ____ __inches Depth _____ 840 MINKON AVE Casing Diameter____in. Length ____ ___ ft.Thickness __ Address of Well Location Casing Height Above Ground __ City CLEVELAND Zip Code +4 2. Permit No. Section; _____ and or Lot No._ 1: Threaded Use of Well MONITOR Coordinates of Well (Use only one of the below coordinate systems) SCREEN State Plane Coordinates 2 in, Slot Size ___ 0.01 in. Screen Length_ Diameter_ N \square MACHINE SLOTTED Material_ Type____ Υ ____ Latitude, Longitude Coordinates ft. and _ Set Between ___ _Longitude: 81.68697 Latitude: 41.49129. GRAVEL PACK (Filter Pack) Vol/Wt. Used 400 LBS. Material/ SILICA SAND Elevation of Well in feet: __ Method of Installation Poured (gravity) Datum Plane: NAD27 X NAD83 Elevation Source Depth: Placed From: _____ Source of Coordinates: GPS ___ ft. To: Well location written description: GROUT Vol/Wt. Material Bentonite pellets/chunks Used _400 LBS. INNERBELT STUDY SITE #23, WELL #1 Method of Installation Poured (gravity) Depth: Placed From: 18 _ ft. To: _ DRILLING LOG* Comments on water quality/quantity and well construction: FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED. Texture From To Color Formation 0 15 FILL MATERIAL 30 GRAY 15 CLAY **WELL TEST *** Pre-Pumping Static Level ____ ft. Date _ Measured from __ Pumping test method ___ Test Rate _____ gpm Duration of Test _ Feet of Drawdown _____ ft. Sustainable Yield *(Attach a copy of the pumping test record, per section 1521.05, ORC) X No Flowing Well? Yes X No PUMP/PITLESS _ Capacity gpm Type of pump___ Pump set at _____ft. Pitless Type_ Pump installed by_ I hereby certify the information given is accurate and correct to the best of my knowledge. Drilling Firm H.A.D. INC. Address 9797 BENNER RD City, State, Zip RITTMAN OH 44270 Signed SUSAN BROMLEY Date 7/18/2006 (Filed Electronically) Aquifer Type (Formation producing the most water.) CLAY 7/13/2006 Date of Well Completion Total Depth of Well_ ODH Registration Number

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0180003

LOCATION		\ \			SITE #23 MW02
				One or Both	i wi
County(Owner/Builde	CUYAHOGA er	TownshipC NS RAILF	CLEVELAND Section Sect	on/Lot Number	<u> </u>
Circle One or Bo		0.40			
Address of V	Vell Location	840 Number		MINKON LANE Street Name	
City (CLEVELAND		Zin Code	44113	
Property Loc	ation ————	niles	Zip Code	nearest intersection	2
Description			side ofCOMM		
Location of Well in either	∫State Plane r:	S □ X	ecimal Degrees Degrees N	or m Y	1.68503 ft. or g
Elevation of \	Well	+/ ft. or m Da	atum Plain: 🗆 NAD27	□ NAD83	
Source of Co	oordinates: 🗆 GPS	☐ Survey 🛛 Otl	herMap		
ORIGINAL W	/ELL ODNR We	ell Log Number2	003933		e one) ar No
MEASURED	CONSTRUCTION	DETAILS	Date of measuremen	ts 6/01/2009	
Size of Casing	g <u>2"</u>		Static Water Length of case	sing	
* * *					
SEALING PR	OCEDURE	remmie Grout			
Method of Pla	acementT	- CITITING GIOGE	Seal	ing Material	Volume
Placement:	From	To	Grout D		
Was Casing F	Removed? Ye	es or No (circle one)			
Condition of C Perforations:	•	To			
Date Sealing I Reason(s) for		1/2009 Longer Needed			· · · · · · · · · · · · · · · · · · ·
CONTRACTO Name Address	H.A.D., Inc. 9797 Benner		ODH Registration	on #	
City/State/Zip	Rittman, Ohi	0 442/0	A STATE OF THE STA		
Signature	ereby certify the information	given is accurate and correct to	the best of my knowledge.		

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources 2003933 Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605 Voice (614) 265-6740 Fax (614) 265-6767 Page 1 of 1 for this record.

Well Log Number

WELL LOCATION CONSTRUCTION DETAILS Drilling Method: AUGER BOREHOLE/CASING (Measured from ground surface) County CUYAHOGA Township CLEVELAND Borehole Diameter 8.25 inches Depth 2 in. Length 18 NS RAILROAD BUILDING Casing Diameter____ ___ ft.Thickness <u>0.154</u>in. Owner/Builder Borehole Diameter ____ Depth _____ 840 MINKON AVE Casing Diameter____in. Length ____ ___ ft.Thickness ___ Address of Well Location Casing Height Above Ground ___ City CLEVELAND ∫1: <u>PVC</u> Zip Code +4 Туре 2: . Permit No. Section; _____ and or Lot No._ 1: Threaded Use of Well MONITOR Joints (Coordinates of Well (Use only one of the below coordinate systems) State Plane Coordinates **SCREEN** 2___in. Slot Size___ _ in. Screen Length___ N Х Diameter__ Υ ___ MACHINE SLOTTED PVC s 🗆 Material Latitude, Longitude Coordinates Set Between ___ ft. and _ Longitude: 81.68695 Latitude: 41.49132 GRAVEL PACK (Filter Pack) Vol/Wt. Used 400 LBS. Material/ Size SILICA SAND Elevation of Well in feet: __ +/-Method of Installation Poured (gravity) Datum Plane: NAD27 X NAD83 Elevation Source Source of Coordinates: GPS Depth: Placed From: ___ ft. To: __ Well location written description: GROUT Vol/Wt. Used 350 LBS Material Bentonite pellets/chunks INNERBELT STUDY SITE #23, WELL #2 Method of Installation Poured (gravity) Depth: Placed From: _____16 ____ ft. To: ___ DRILLING LOG* Comments on water quality/quantity and well construction: FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED. Color Texture Formation From **FILL MATERIAL** 0 5 SAND 5 15 CLAY 15 WELL TEST * Pre-Pumping Static Level _____ ft. Date _ Measured from _ Pumping test method ___ Test Rate _ _____ gpm Duration of Test Feet of Drawdown _____ ft. Sustainable Yield *(Attach a copy of the pumping test record, per section 1521.05, ORC) X No Flowing Well?

Yes X No **PUMP/PITLESS** Type of pump____ Capacity . Pump set at _____ft. Pitless Type_ Pump installed by_ I hereby certify the information given is accurate and correct to the best of my knowledge. Drilling Firm H.A.D. INC. Address 9797 BENNER RD City, State, Zip_RITTMAN OH 44270 SUSAN BROMLEY Date 7/18/2006 Signed ___ (Filed Electronically) Aquifer Type (Formation producing the most water.) SAND Date of Well Completion 7/13/2006 ODH Registration Number Total Depth of Well

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0180001

LOCATION				(1)		SITE #23 MW03
		4 5 5			cle One or Both	
CountyCt	KAHOGA	Townsh	nip_CLEVE	LANDSec	ction/Lot Number	
		NS	RAILROAD	BUILDING		-
Circle One or Both		0.40		•	MAINIZONI I ANIT	
Address of Well	Location —	840 Number			MINKON LANE Street Name	
City CLE	VELAND			Zin Code	44113	
Property Location	2	_ miles	0.0.11	_ of	44113 nearest intersection	ın
Description						
•	on the	N □ n, e, s, w	sid	e otCOM	MERCIAL ROAD road name	
Location of	State Plane	e		+/-	. Y	+/- # or n
Well in either:	OR	Check ONE	☐In Decimal De	egrees Degree	s Minutes Degrees Min. Sec	ft. or n
	Latitude/Long	jitude (Latitude _	41.	49084	Longitude	31.68523
Elevation of Well		+/ ft. o	Dotum D	loin: 🗆 NADO7	7 NAD02	
Lievation of well		ft. o	rm Dalum P	iaiii. 🗆 NAD27	□ NADOS	
Source of Coordi	nates: 🗆 GF	S □ Survey	X Other	Мар		
			2004004			le one)
ORIGINAL WELI	_ ODNR	Well Log Number	200400	9	Copy attached? Yes	ør No
MEASURED CO	NSTRUCTIO	N DETAILS	Date	e of measurem	ents 6/01/2009	
				_ Static Wate	er Level 20'	LA AMAZANIA MARIANA MA
Size of Casing	Good			Length of	casing	
vveii Condition _						
SEALING PROC	EDURE	Trammia Graut				
Method of Placen	nent	Tremmie Grout		Se	ealing Material	Volume
Placement: F	rom 22'	To	1'		_	
F	rom	To				
		.,				
Was Casing Rem	oved?	Yes or (No) (circle one)				
Condition of Casi	na Go					
		То				
F	rom	To		 		
Data Castina David		2/04/2000				
Date Sealing Peri Reason(s) for Sea		No Longer Need				
1 1003011(3) 101 001			<u> </u>			
			- Augustina -			
CONTRACTOR	11 4 5 '	_		ODLI Da =: -4::	ation #	
Name	H.A.D., Inc 9797 Ben			ODH Registr	ation #	
Address City/State/Zip		Ohio 44270				
ону, отато, <u>стр</u>	1.	Min				
Signature	cortify the informa	tiongiven is accurate and	correct to the best of	of my knowledge		

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number 2004009

Page 1 of 1 for this record.

CONSTRUCTION DETAILS WELL LOCATION Drilling Method: AUGER BOREHOLE/CASING (Measured from ground surface) ___ Township CLEVELAND County CUYAHOGA | Borehole Diameter ______ 8.25 ____inches 25 Depth ____ Casing Diameter 2 in. Length 15 __ ft,Thickness __0.154_in. NS RAILROAD BUILDING 2 Borehole Diameter _____inches Owner/Builder Depth ___ 840 MINKON LN Casing Diameter_____in. Length _____ ft.Thickness ___ Address of Well Location Casing Height Above Ground ___ (1: <u>PVC</u> _ Zip Code +4___ City CLEVELAND Section; _____ and or Lot No. 2: Permit No. 1: Threaded Use of Well MONITOR Joints 9 Coordinates of Well (Use only one of the below coordinate systems) SCREEN State Plane Coordinates 0.01 in. Screen Length_ 2 in, Slot Size ___ Diameter_ N \square Χ ___ PVC MACHINE SLOTTED Type____ Material s 🗆 Y _ Latitude, Longitude Coordinates Set Between ft. and Longitude: 81.68694 Latitude: 41.49131 GRAVEL PACK (Filter Pack) Vol/Wt. Used 400 LBS. Material/ SILICA SAND Elevation of Well in feet: +/-Method of Installation Poured (gravity) Datum Plane: NAD27 X NAD83 Elevation Source Depth: Placed From: _____ __ ft. To: __ Source of Coordinates: GPS Well location written description: GROUT Vol/Wt. Used <u>350</u> LBS. Material Bentonite pellets/chunks INNERBELT STUDY SITE #23 Method of Installation Poured (gravity) 13 Depth: Placed From: __ ____ ft. To: __ **DRILLING LOG*** Comments on water quality/quantity and well construction: FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED. Color Texture Formation From 0 2 FILL MATERIAL SAND 2 15 SAND 15 25 BLACK **WELL TEST *** Pre-Pumping Static Level ____ Date Measured from Pumping test method ____ Duration of Test Test Rate _____ gpm Feet of Drawdown _____ ft. Sustainable Yield *(Attach a copy of the pumping test record, per section 1521.05, ORC) Is Copy Attached?

Yes X No Flowing Well?
Yes X No **PUMP/PITLESS** Type of pump___ _ Capacity ____ft. Pitless Type_ Pump set at _ Pump installed by_ I hereby certify the information given is accurate and correct to the best of my knowledge Drilling Firm H.A.D. INC. Address 9797 BENNER RD City, State, Zip RITTMAN OH 44270 Signed SUSAN BROMLEY Date 7/21/2006 Aquifer Type (Formation producing the most water.) SAND (Filed Electronically) Date of Well Completion 7/14/2006 Total Depth of Well ODH Registration Number _

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0180004

LOCATION			SITE #23 MW04
		Circle One or Both	
CountyCUYAHC	GATownship_	CLEVELAND Section/Lot Number	
Owner/Builder Circle One or Both	NS RA	ILROAD BUILDING	
	ion 840	MINKON I ANF	
Address of Well Locat	Number	Street Name	
City CLEVELA	AND	Zip Code 44113	
Property Location	milesn e.s.	Zip Code 44113 of nearest inters	ection
(on theB	side of COMMERCIAL ROAD road nar	ne
Location of State	Plane s X	n Decimal Degrees Degrees Minutes Degrees Min.	+/ ft. or m
Well in either:	OR ∫Check ONE □II	n Decimal Degrees Degrees Minutes Degrees Min.	Sec.
L atitu	de/Longitude Latitude	41.490712 Longitude	
Elevation of Well	+/ ft. or m	Datum Plain: ☐ NAD27 ☐ NAD83	
Source of Coordinates	: □GPS □ Survey 🕱	Other Map	
		·	(circle one)
ORIGINAL WELL	ODNR Well Log Number	2004005 Copy attached?	res or No
MEASURED CONSTR	UCTION DETAILS	Date of measurements 6/02/200	9
Donth of Woll 1	8'	Static Water Level 18'	
Size of Casing 2	1	Length of casing	,
Well ConditionG	ood		
ing the second of the second o		The second secon	
SEALING PROCEDUR		The second secon	
Method of Placement	Tremmie Grout		
	· ·	Sealing Material	Volume
Placement: From	18' To1	Grout DF	5 Gallons
From	To		
From	10		
Was Casing Removed	? Yes or No (circle one)		
Condition of Casing	Good		
From	To		
Date Sealing Performe	d 6/02/2009		
Reason(s) for Sealing	No Longer Needed		
(,			
CONTRACTOR			
	A.D., Inc.	ODH Registration #	
	97 Benner Road tman, Ohio 44270		
City/State/Zip Rit	unan, Onio 44270		
Signature Signature	the information given is accurate and corre	ect to the best of my knowledge.	

well Log Number	
2004005	

WELL LOG AND DRILLING REPORT
Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767 of 1 for this record. Page_

WELL LOCATION	CONSTRUCTION DETAILS
	Drilling Method: AUGER
County CUYAHOGA Township CLEVELAND	BOREHOLE/CASING (Measured from ground surface)
County Ook Township	Borehole Diameter 8.25 inches Depth 18
NS RAILROAD BUILDING	1 Casing Diameter 2 in. Length 10 ft. Thickness 0.154 in
Owner/Builder	
840 MINKON LN	2 Borehole Diameterinches Depthf Casing Diameterin. Lengthft.Thicknessir
Address of Well Location	Casing Height Above Ground1
City CLEVELAND Zip Code +4 . 44113	1: PVC
	Type { 2:
Permit No Section; and or Lot No	1: Threaded
Use of Well MONITOR	Joints 2:
Coordinates of Well (Use only one of the below coordinate systems)	(Z
State Plane Coordinates	SCREEN Diameter 2 in, Slot Size 0.01 in. Screen Length 10 f
N □ X ft. S □ Y ft.	
	Type MACHINE SLOTTED Material PVC Set Between 18 ft. and 8 1
Latitude, Longitude Coordinates	
Latitude: 41.49075 Longitude: 81.68759	GRAVEL PACK (Filter Pack) Vol/Wt. Used 400 LBS.
Elevation of Well in feet: ft.	Size SILICA SAND Used 400 Lbs.
Datum Plane: NAD27 X NAD83 Elevation Source	Method of Installation Poured (gravity)
Source of Coordinates: GPS	Depth: Placed From: 18 ft. To: 7
Well location written description:	GROUT Vol/Wt.
C.1. 73 Milal	Material Bentonite pellets/chunks Vol/Wt. Used 100 LBS.
Site 23 MWO4	Method of Installation Poured (gravity)
	Depth: Placed From: 7 ft. To: 2 f
•	PDILLING LOOK
	DRILLING LOG*
Comments on water quality/quantity and well construction:	FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED
	Color Texture Formation From To
	FILL MATERIAL 0 2
	CLAY AND SAND 2 18
WELL TEST *	
Measured from	1
Pumping test method	
Fest Rategpm Duration of Testhrs.	
(Attach a copy of the pumping test record, per section 1521.05, ORC)	
s Copy Attached? Yes No Flowing Well? Yes No	
PUMP/PITLESS	
Type of pumpgpm	
Pump set atft. Pitless Type	
Pump installed by	
I hereby certify the information given is accurate and correct to the best of my knowledge.	
Drilling Firm H.A.D. INC.	
Address 9797 BENNER RD	
City, State, Zip RITTMAN OH 44270	
Signed SUSAN BROMLEY Date 7/21/2006	
	Aquifer Type (Formation producing the most water.) CLAY & SAND
DDH Registration Number	Date of Well Completion 7/14/2006 Total Depth of Well 18 ft

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0180005

Division of Water 2045 Morse Rd., Bldg B Columbus, OH 43229-6693

Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION			SITE #24 MW01
CountyCUYAHOGA Owner/Builder	JAMES VINCENT		e victo esper
Address of Well Location	2515 Number	CANAL ROAD Street Name	
City CLEVELAND		Zip Code 44113	
Property Location miles Description on the	n, e, s, w	of nearest intersort Of COMMERCIAL ROAD road nan	ection
Location of State Plane S Well in either:	X	rees Degrees Minutes Degrees Min. 103d Half	ft. or m
Elevation of Well++	ft. or m Datum Plai	n: 🗆 NAD27 🗆 NAD83	
Source of Coordinates: ☐ GPS	☐ Survey 🖄 OtherM		
ORIGINAL WELL ODNR Well Lo	g Number2004058	Copy attached? ((circle one) Yes or No
MEASURED CONSTRUCTION DETA	AILS Date of	of measurements 6/02/200	9
Depth of Well 15' Size of Casing 2" Well Condition Good		Length of casing	
SEALING PROCEDURE Method of Placement Tremr	nie Grout	Sealing Material	Volume
From		Grout DF	5 Gallons
Was Casing Removed? Yes o	or No		
Condition of Casing Good Perforations: From From	To		
Date Sealing Performed 6/02/20 Reason(s) for Sealing No Lor	009 nger Needed		
CONTRACTOR Name H.A.D., Inc. Address 9797 Benner Ros City/State/Zip Rittman, Ohio 44	ad	ODH Registration #	
Signature Think Thill	is accurate and correct to the best of n	nv knowledge	<u> </u>

Well Log Number 2004058

WELL LOG AND DRILLING REPORT
Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767 of 1 for this record. CONSTRUCTION DETAILS WELL LOCATION

WEEL EGOTTON	ALCER	
OLEVEL AND	Drilling Method: AUGER BOREHOLE/CASING (Measured from ground surface)	-
County CUYAHOGA Township CLEVELAND	Borehole Diameter 8.25 inches Depth 15	ft.
VINCENT	1 Casing Diameter 2 in. Length 15 ft.Thickness 0.154	in.
JAMES VINCENT Owner/Builder	Sometime Sometime	ft.
2515 CANAL RD	2 Casing Diameterin. Lengthft.Thicknessi	
Address of Well Location	Casing Height Above Ground	ft.
City CLEVELAND Zip Code +4 44113	(1· PVC	
Permit No Section; and or Lot No	Type { 2:	
Use of Well MONITOR	1: Threaded	
Coordinates of Well (Use only one of the below coordinate systems)	Joints 2:	
State Plane Coordinates	SCREEN	
	Diameter 2 in. Slot Size 0.01 in. Screen Length 10	ft.
N □ X ft. S □ Y ft.	Type MACHINE SLOTTED Material PVC	
Latitude, Longitude Coordinates	Set Between 15 ft. and 5	ft.
Latitude: 41.489916 Longitude: 81.685652	GRAVEL PACK (Filter Pack)	
Elevation of Well in feet: ft.	GRAVEL PACK (Filter Pack) Material/ Size SILICA SAND Used 400 LBS.	
Datum Plane: NAD27 NAD83 Elevation Source	Method of Installation Poured (gravity)	
Source of Coordinates: MAP-OTHERS	Depth: Placed From: 15 ft. To: 4	_ ft
Well location written description: UNINERREL T STUDY SITE 24 41, 490228	GROUT Vol/Wt. 400 LBS	
INNERBELT STUDY SITE 24	Material Bentonite pellets/chunks Used 100 LBS.	
MWOI -81.685750	Method of Installation Poured (gravity) Porthy Pleased From: 4 ft To: 1	
81.083730	Depth: Placed From: 4 ft. To: 1	π.
	DRILLING LOG*	
Comments on water quality/quantity and well construction:	FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERE	D.
Commonio on Mator quality, quality and the second	Color Texture Formation From To	
		2
		15
	SAND AND CLAT 2 ,	
•		
WELL TEST *		
Pre-Pumping Static Level0 ft. Date		
Measured from		
Pumping test method gpm Duration of Testhrs.		
*(Attach a copy of the pumping test record, per section 1521.05, ORC) Is Copy Attached? Yes No Flowing Well? Yes No		
Is Copy Attached? Yes X No Flowing Well? Yes No		
PUMP/PITLESS		
Type of pumpgpm		
Pump set atft. Pitless Type		
Pump installed by		
I hereby certify the information given is accurate and correct to the best of my knowledge.		
Drilling Firm H.A.D. INC.		
Address 9797 BENNER RD		
City, State, Zip RITTMAN OH 44270		
Signed SUSAN BROMLEY Date 7/25/2006		
Signed	Aquifer Type (Formation producing the most water.) SAND AND CLAY	
		ft.

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0187006

LOCATION				SITE #24 MW02
-			Circle One or Both	
CountyCUYAHOGA	TownshipCLE	VELAND	Section/Lot Number	
Owner/Builder	JAMES VIN	CENT		
Circle One or Both	2515		CANAL ROAD	
Address of Well Location	Number		Street Name	
City — CLEVELAND		Zip Cod	e <u>44113</u>	
Property Locationr	nilesn, e, s, w	of	nearest intersection	
Description on the	Enesw	side ofC	COMMERCIAL ROAD road name	
	X	11 1 1.7	v	
Well in either: OR	Chock ONE In Decima	al Degrees De	ft. or m grees Minutes [] Degrees Min. Sec.	ft. or n
	de Latitude	41.489949	Longitude	81.685533
Elevation of Well	+/ _{ft. or m} Datum	n Plain: □ NA	D27 □ NAD83	
Lievation of tven	ft. or m Datum	III Iaiii. 🗀 NA	DZI - NADOO	
Source of Coordinates: ☐ GPS	☐ Survey ☒ Other_	Мар		
ODIOWAL WELL ODNOW	2006	4059		e one) Àr No
ORIGINAL WELL ODNR We				the contract of the contract o
MEASURED CONSTRUCTION D	DETAILS	Date of measur	rements6/02/2009	
Depth of Well28'		Static V	Water Level DRY	
Depth of Well 28 2"		Length	of casing	
Well Condition Good		9		
			to,	
SEALING PROCEDURE Method of Placement	remmie Grout			
Method of Placement			Sealing Material	Volume
Placement: From28'	To1'	G	Frout DF	18 Gallons
From	To			
From	То			
Was Casing Removed? Ye	es or No			
•	(circle òne)			
Condition of Casing Good				
	To			
From	To			
Date Sealing Performed6/6	02/2009		_	
Reason(s) for Sealing No.	D Longer Needed			
CONTRACTOR		00110	· · · · · · · · · · · · · · · · · · ·	
Name H.A.D., Inc. 9797 Benne	r Road	_ ODH Reg	gistration #	
7uuless				
City/State/Zip Rittman, On	111			
Signature Hereby certify the information	given is accurate and correct to the b	est of my knowledge	3.	

Well Log Number

DNR 7802.05e

WELL LOG AND DRILLING REPORT
Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

2004059 Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS
	Drilling Method: AUGER
County CUYAHOGA Township CLEVELAND	BOREHOLE/CASING (Measured from ground surface)
oounty	Borehole Diameter 8.25 inches Depth 16 ft
JAMES VINCENT	$\begin{bmatrix} 1 \\ \text{Casing Diameter} & 2 \\ \end{bmatrix}$ in. Length $\begin{bmatrix} 6 \\ \end{bmatrix}$ ft.Thickness $\underbrace{0.154}$ in
Owner/Builder	Borehole Diameterinches Depthft
2515 CANAL RD	Casing Diameterin. Length ft.Thicknessin
Address of Well Location	Casing Height Above Groundft
City CLEVELAND Zip Code +4 4113	Type {1: PVC
Permit No Section; and or Lot No	2:
Use of Well MONITOR	Joints 1: Threaded
Coordinates of Well (Use only one of the below coordinate systems)	Joints 2:
State Plane Coordinates	SCREEN
N	Diameter 2 in. Slot Size 0.01 in. Screen Length 10 ft
S	Type MACHINE SLOTTED Material PVC
Latitude, Longitude Coordinates	Set Between16ft, and6
Latitude: 41.4908 Longitude: 81.68748	GRAVEL PACK (Filter Pack) Material/ Size SILICA SAND Vol/Wt. Used 350 LBS.
Elevation of Well in feet: ft.	Material/ Size SILICA SAND Used 350 LBS.
Datum Plane: NAD27 X NAD83 Elevation Source	Method of Installation Poured (gravity)
Source of Coordinates: GPS	Depth: Placed From: 16 ft. To: 4 f
Well location written description: NINE PRINT STIP STIP	GROUT Material Bentonite pellets/chunks Vol/Wt. Used 100 LBS.
INVERDED STOP STE 24	
May 2 81.685333	Method of Installation Poured (gravity)
Mw 2 81.00323	Depth: Placed From: 4 ft. To: 1 ft
	DRILLING LOG*
Comments on water quality/quantity and well construction:	FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED
Comments on water quanty quartery and new series as a	Color Texture Formation From To
	FILL MATERIAL 0 2
	SAND AND CLAY 2 16
	SAND AND OLAI 2 10
WELL TEST *	
Pre-Pumping Static Level 0 ft. Date	
Measured from	
Pumping test method gpm Duration of Test hrs.	
Feet of Drawdown ft. Sustainable Yield gpm	
*(Attach a copy of the pumping test record, per section 1521.05, ORC)	
Is Copy Attached? Yes X No Flowing Well? Yes X No	
15 Copy / Maderica : 17 Too 18	
PUMP/PITLESS	
Type of pump Capacitygpm	
Type of pump Capacitygpm Pump set atft. Pitless Type	
Pump installed by	
I hereby certify the information given is accurate and correct to the best of my knowledge.	
Drilling Firm H.A.D. INC.	
Address 9797 BENNER RD	
City, State, Zip RITTMAN OH 44270	
Signed SUSAN BROMLEY Date 7/25/2006	
(Filed Electronically)	Aquifer Type (Formation producing the most water.) SAND AND CLAY
ODH Registration Number	Date of Well Completion 7/19/2006 Total Depth of Well 16 ft

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0180007

LOCATION						SITE #24 MW03
					cle One or Both	
CountyC Owner/Builder Circle One or Bot	r	Δ Townsl	hip <u>CLEVEL</u> MES VINCEN	J ((V D	tion/Lot Number	
Address of We	ell Location	2515 Number			CANAL ROAD Street Name	
CityC	LEVELAN	<u>D</u>	·	Zip Code	44113	ion
Property Loca Description	tion on t	heE	e, s, w	ofCOMN	nearest intersect MERCIAL ROAD road name	ion
Location of Well in either:	State Pla	ane s X Check ONE	☐In Decimal De	grees Degrees	t, or m Y	tt. or n
Elevation of W	/ell \\	ft. o	orm Datum Pla	ain: 🗆 NAD27	□ NAD83	
Source of Coo	ordinates: [☐ GPS ☐ Survey	⊠ Other	Мар		rcle one)
ORIGINAL WI	ELL OF	ONR Well Log Number	2004060		Copy attached? Ye	
MEASURED C	CONSTRUC	TION DETAILS	Date	of measureme	ents 6/02/2009	
Depth of Well Size of Casing Well Condition	2"_			Length of c	r Level DRY	
SEALING PRO	OCEDURE	T				·
Method of Place	cement	Tremmie Grout		Se	aling Material	Volume
Placement:	From	16' To To		Grout	DF	5 Gallons
Was Casing R	From	Yes or No				<u> </u>
Condition of Ca		(circle one) Good				
Perforations:		To To				
Date Sealing P Reason(s) for S		6/02/2009 No Longer Neede	ed			
CONTRACTO	R H.A.D.	Inc		ODH Registra	ation#	
Address	9797 I	Benner Road				
City/State/Zip	Kittma	an, Ohio 44270				
Signature	THAS reby certify the in	nformation given is accurate and	correct to the best of	my knowledge.		

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605 Voice (614) 265-6740 Fax (614) 265-6767 Well Log Number 2004060

Page 1 of 1 for this record.

DNR 7802.05e

CONSTRUCTION DETAILS WELL LOCATION Drilling Method: AUGER BOREHOLE/CASING (Measured from ground surface) County CUYAHOGA Township CLEVELAND | Borehole Diameter 8.25 inches Depth ___ ft.Thickness __0.154_in. Casing Diameter 2 in. Length 20 **JAMES** VINCENT Owner/Builder 2 Borehole Diameter _____inches Casing Diameter ____in. Length ____ Depth _____ 2515 CANAL RD Address of Well Location Casing Height Above Ground ___ {1: <u>PVC</u> 2: ____ City CLEVELAND Zip Code +4_ Type Section; _____ and or Lot No._ Permit No. ___ 1: Threaded Use of Well MONITOR Joints 1 Coordinates of Well (Use only one of the below coordinate systems) SCREEN State Plane Coordinates 0.01 __ in. Screen Length___ Diameter_ 2___ in. Slot Size__ N \square Х PVC MACHINE SLOTTED Material ___ Type_ s 🗆 Υ_ ft. and Latitude, Longitude Coordinates Set Between Longitude: 81.68793 Latitude: 41.49033 GRAVEL PACK (Filter Pack) Vol/Wt. _ Used _400 LBS. Material/ SILICA SAND Elevation of Well in feet: ___ Method of Installation Poured (gravity) Datum Plane: NAD27 X NAD83 Elevation Source _ ft. To: _ Depth: Placed From: _ Source of Coordinates: GPS GROUT Well location written description: 41,489887 Vol/Wt. Used _450 LBS. Material Bentonite pellets/chunks MW3 **INNERBELT STUDY SITE 24** Method of Installation Poured (gravity) 81.485155 ____ ft. To: ___ Depth: Placed From: __ **DRILLING LOG*** FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED. Comments on water quality/quantity and well construction: From То Color Texture Formation 0 2 FILL MATERIAL SAND AND CLAY 30 WELL TEST * 0 ft. Pre-Pumping Static Level ____ Measured from _____ Pumping test method ____ Test Rate ___ ___ gpm Duration of Test _ Feet of Drawdown _____ ft. Sustainable Yield _ gpm *(Attach a copy of the pumping test record, per section 1521.05, ORC) Flowing Well? Yes X No X No Is Copy Attached?

Yes **PUMP/PITLESS** gpm Type of pump___ _ Capacity_ Pump set at _____ft. Pitless Type_ Pump installed by_ I hereby certify the information given is accurate and correct to the best of my knowledge Drilling Firm H.A.D. INC. Address 9797 BENNER RD City, State, Zip RITTMAN OH 44270 Signed _____SUSAN BROMLEY Date 7/25/2006 Aquifer Type (Formation producing the most water.) SAND AND CLAY (Filed Electronically) Date of Well Completion 7/19/2006 Total Depth of Well_ ODH Registration Number

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

018/008

Division of Water 2045 Morse Rd., Bldg B Columbus, OH 43229-6693

Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION				سيام د المعالج الوا	man' s wi	#27 MW01
CountyC	11/64/100	. ^	Township C	LEVELAND	Circle One or Both Section/Lot Number	
			MERIDIAL	LEVELAND	Section/Lot Number	Anna Park Control of the State
Circle One or Both			MERCENT	VI IVOI EIVIIEV	5/11 (5 E/ E/(5E/(1)	Y.V. Inc. Inc. Inc.
Address of We	ell Location	n			CENTRAL	
		·	mber		Street Na	
City CI	LEVELAN	1D	<u> </u>	—— Zip Co	de <u>44113</u>	
Property Locat Description	ion					& CENTRAL AVENUE Intersection
	on	theS	n e s w	side ofC	CENTRAL AVENUE	d name
Location of Well in either:	OF	lane s□ X ß ∫Ch	eck ONE In De	cimal Degrees D	ft. or m Y	Min. Sec. ft. or n
Elevation of We	ell 📗	+/	ft. or m Da	ıtum Plain: 🗆 N	AD27 🗆 NAD83	
Source of Coor	rdinates:	□ GPS □	Survey 🖙 Oth	erMap		/ sind a sea
ORIGINAL WE	LL O	DNR Well Log I	Number20	004061	Copy attached	(circle one) d? Yes or No
MEASURED C	ONSTRU	CTION DETAIL	S	Date of measu	rements6/02	/2009
Depth of Well Size of Casing	_			Static Lengt	Water LevelDRY h of casing	
Well Condition	God	od				
		atatististististististististististististist	N. 18 - 18 - 18 - 18 - 18 - 18 - 18 - 18			
SEALING PRO		Tuanania	Grout			
Method of Place	ement	ricilling	Gloui		Sealing Material	Volume
Placement:	Erom	25'	то 1'	G	rout DF	•
riacement.		20	_ 10 <u>'</u>		TOUL DI	15 Gallotis
			To			
Was Casing Re	moved?	Yes or (No)			
Condition of Ca	sina	Good				
	From	and the second of the second o				
	From					
Date Sealing Pe						•
Reason(s) for S	ealing .	No Longe	Needed		,	·
		Ž.				
CONTRACTOR Name	H.A.D	Inc		UUU D^	aistration #	
Address		Benner Road		Орп ке	yisii alioi i #	
City/State/Zip		an, Ohio 44270)			
Signature <i>게</i>	[] 19141 :	<i>1940</i>	·		,	
héré	by certify the i	infórmátion given is ac	curate and correct to the	he best of my knowledg	е.	



WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources

Well Log Number 2004061

Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605 Voice (614) 265-6740 Fax (614) 265-6767 Page 1 of 1 for this record. CONSTRUCTION DETAILS **WELL LOCATION** Drilling Method: AUGER BOREHOLE/CASING (Measured from ground surface) _____ Township CLEVELAND County CUYAHOGA | Borehole Diameter 8.25 inches 26 Depth __ Casing Diameter 2 in. Length 16 ft.Thickness 0.154 in. MERIDIAN PROPERTIES / INDEPENDENT TOWELL Borehole Diameter _____ inches Owner/Builder Depth ____ Casing Diameter____in. Length _____ft.Thickness ___ 1802 CENTRAL AVE Address of Well Location Casing Height Above Ground ____ ∫1: <u>PVC</u> City CLEVELAND Zip Code +4___ 2: _ Section; _____ and or Lot No._ Permit No. _ 1: Threaded Use of Well MONITOR Joints ' Coordinates of Well (Use only one of the below coordinate systems) SCREEN State Plane Coordinates 0.01 in. Screen Length___ 2 in. Slot Size ___ Diameter___ N 🔲 Χ __ PVC MACHINE SLOTTED Туре____ Material s□ Latitude, Longitude Coordinates Set Between ft. and ___ Longitude: _81.6772 Latitude: 41.4963 GRAVEL PACK (Filter Pack) Vol/Wt. _ Used _400 LBS. Material/ Size SILICA SAND Elevation of Well in feet: +/-Method of Installation Poured (gravity) Datum Plane: ☐ NAD27 ☒ NAD83 Elevation Source Depth: Placed From: _____ ___ ft. To: __ Source of Coordinates: GPS Well location written description: GROUT Vol/Wt. Material Bentonite pellets/chunks Used 200 LBS. **INNERBELT STUDY SITE 27** Method of Installation Poured (gravity) 14 Depth: Placed From: _ ____ ft. To: __ DRILLING LOG* FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED. Comments on water quality/quantity and well construction: To From Color Texture Formation 0 2 **FILL MATERIAL** 2 26 SAND **WELL TEST *** 0 ___ ft. Date _ Pre-Pumping Static Level ____ Measured from ____ Pumping test method ____ Duration of Test hrs. Test Rate _____ gpm Feet of Drawdown _____ ft. Sustainable Yield _ _ gpm *(Attach a copy of the pumping test record, per section 1521.05, ORC) Flowing Well? Yes X No Is Copy Attached? Yes X No **PUMP/PITLESS** .gpm Type of pump____ Pump set at _____ft. Pitless Type_ Pump installed by_ I hereby certify the information given is accurate and correct to the best of my knowledge. Drilling Firm H.A.D. INC. Address 9797 BENNER RD City, State, Zip RITTMAN OH 44270

Aquifer Type (Formation producing the most water.) SAND

Date of Well Completion

7/20/2006 ___ Total Depth of Well_

Date 7/25/2006

SUSAN BROMLEY

(Filed Electronically)

Signed _____

ODH Registration Number

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0180010

Division of Water 2045 Morse Rd., Bldg B Columbus, OH 43229-6693

Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION						SITE #27 MW03
					Circle One or Both	
County	CUYAHOG	ATowns	hipCLE\	VELANDS	Section/Lot Number	
Owner/Builder	<u> </u>	M	IERIDIAN P	ROPERTIES	/INDEPENDENT TOV	VELL
Circle One or Botl					OFNITDAL AV	ENUE
Address of We	ell Location	1802 Number			CENTRAL AV Street Name	ENUE
_					44113	
City	tion -	miles	S	ofEA	AST 18TH STREET &	CENTRAL AVENUE
Property Local Description						
•	on t	heS n, e, s, w	S	ide ofC	ENTRAL AVENUE road nai	me
Location of Well in either:		ane s X L	☐ In Decimal	+/- Degrees □ Degr	ft. or m Y	Sec. 81.676786 ft. or m
Elevation of W	/ell	+/ ft. c	_{or m} Datum	Plain: 🗆 NAD	27 □ NAD83	
Source of Coo	ordinates: [∃ GPS □ Survey	☑ Other	Мар		(circle one)
ORIGINAL WE	ELL OF	NR Well Log Number	2004	066	_ Copy attached?	
MEASURED C	CONSTRUC	TION DETAILS	Da	ate of measure	ements 6/02/20	009
	40!			O M		
Depth of Well	<u>19'</u>			Static vv	ef essing	
Size of Casing Well Condition		od		Lengur	or casing	
vveii Condition						
SEALING PRO	OCEDURE	T			•	
Method of Place	cement	Tremmie Grou	IT		Sealing Material	Volume
	_	. 10' -	41			5 Gallons
Placement:						
	From	To _ To _				
	FIOIII	10				
Was Casing Re	emoved?	Yes or No (circle one)				
Condition of Co	ooina	Good				
Condition of Ca Perforations:	From	То				·
renorations.	From	To	VC "			
	1 10111	it gas best to				
Date Sealing P	erformed _	6/02/2009				
Reason(s) for S		No Longer Need	ded			-
	_	the angle week and				
CONTRACTO						
Name	H.A.E)., Inc.		ODH Regi	stration #	
Address		Benner Road	:			
City/State/Zip	Rittm	an, Ohio 44270				
Signature	reby certify the i	nformation given is accurate and	d correct to the be	st of my knowledge.		

WELL LOG AND DRILLING REPORT
Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number 2004066 Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS
	Drilling Method: AUGER .
County CUYAHOGA Township CLEVELAND	BOREHOLE/CASING (Measured from ground surface)
	Borehole Diameter 8.25 inches Depth 28
MERIDIAN PROPERTIES / INDEPENDENT TOWELL	Casing Diameter 2 in. Length 18 ft.Thickness 0.154 i
Owner/Builder	Borehole Diameterinches Depth
1802 CENTRAL AVE	Casing Diameterin. Lengthft.Thicknessi
Address of Well Location	Casing Height Above Ground
City CLEVELAND Zip Code +4 44113	
Permit No Section; and or Lot No	Type { 2:
Use of Well MONITOR	Joints { 1: Threaded
Coordinates of Well (Use only one of the below coordinate systems)	Joints { 2:
State Plane Coordinates	SCREEN
N	Diameter 2 in. Slot Size 0.01 in. Screen Length 10
S	Type MACHINE SLOTTED Material PVC
Latitude, Longitude Coordinates	Set Between 28 ft. and 18
Latitude: 41.49639 Longitude: 81.67725	GRAVEL PACK (Filter Pack) Material/ Size SILICA SAND Vol/Wt. Used 350 LBS.
Elevation of Well in feet: ft.	Size SILICA SAND Used 350 LBS.
Datum Plane: NAD27 X NAD83 Elevation Source	Method of Installation Poured (gravity) 28 # To: 16
Source of Coordinates: GPS	Depth: Placed From:
Well location written description:	GROUT Material Bentonite pellets/chunks Vol/Wt. Used 350 LBS.
INNERBELT STUDY SITE 27 MW #3	·
	Method of Installation Poured (gravity)
	Depth: Placed From: 16 ft. To: 1
	DRILLING LOG*
Comments on water quality/quantity and well construction:	FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED
Gorinionito di matari quanti, quanti y	Color Texture Formation From To
	FILL MATERIAL 0
	SAND AND CLAY 2 2
	SAND AND CLAT 2 2
WELL TEST *	
Pre-Pumping Static Level0ft. Date	
Measured from	
Pumping test methodhrs. Test Ratepm Duration of Testhrs.	
Feet of Drawdown ft. Sustainable Yield gpm	
*(Attach a copy of the pumping test record, per section 1521.05, ORC)	
Is Copy Attached? Yes No Flowing Well? Yes No	
PUMP/PITLESS	
Type of pump Gapacitygpm Pump set atft. Pitless Type	
Pump installed by I hereby certify the information given is accurate and correct to the best of my knowledge.	
Drilling Firm H.A.D. INC.	
Address 9797 BENNER RD	
City, State, Zip RITTMAN OH 44270	
Signed SUSAN BROMLEY Date 7/25/2006	
	Aquifer Type (Formation producing the most water.) SAND AND CLAY
ODH Registration Number	Date of Well Completion 7/19/2006 Total Depth of Well 28
ODIT (OGIOGRAPIT PARTIES)	

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0180012

Division of Water 2045 Morse Rd., Bldg B Columbus, OH 43229-6693

Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION		:			SITE#27 MW04
			Circle One or	Both	
County CUYAHOC	3A Townsh	ip CLEVI	ELAND Section/Lot I	Number	No. But the state of the state
Owner/Builder Circle One or Both			OPERTIES/INDEPEN		
Address of Well Location	1802 Number	•	CE	ENTRAL AVEN Street Name	UE
CITY	ND		Zin Code	44113	
City CLEVELAI Property Location Description					ENTRAL AVENUE
on t	he S n, e, s, w	side	e ofCENTRAL A	AVENUE road name	,
Location of State Pla	ane s X		+/ft, or m		81.677796 ft. or m
Elevation of Well					
Source of Coordinates:	∃ GPS □ Survey		Мар		
ORIGINAL WELL OF	ONR Well Log Number	200406	52 Copy		le one) or No
MEASURED CONSTRUC	CTION DETAILS	Date	of measurements	6/02/2009	
Depth of Well 18'			Static Water Level Length of casing	DRY	,
Size of Casing 2"			Length of casing		
Well ConditionGo					
SEALING PROCEDURE	Trommio Groud				
SEALING PROCEDURE Method of Placement	Tremine Grout	•	Sealing Ma	terial	Volume
Diagrams Trans	18' To	1'	•		5 Gallons
Was Casing Removed?					
0 1111 110 1	(circle one) Good				
Condition of Casing					
From			And		
Date Sealing Performed _	6/02/2009				
Reason(s) for Sealing	No Longer Need	ed			
					,
CONTRACTOR					
0707	D., Inc. Benner Road		ODH Registration # _		
Tudi 635	nan, Ohio 44270	1.07/1			
City/State/Zip Rittm	10110 47210		•		
Signature <u>Dinak</u>	MAMA				
hereby certify the in	nformation given is accurate and o	correct to the best of	f my knowledge.		

WELL LOG AND DRILLING REPORT
Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number 2004062 Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS					
	Drilling Method: AUGER					
County CUYAHOGA Township CLEVELAND	BOREHOLE/CASING (Measured from ground surface)					
	Borehole Diameter 8.25 inches Depth 18	ft				
MERIDIAN PROPERTIES / INDEPENDENT TOWELL	Casing Diameter 2 in Length 8 ft. Thickness 0.154	in				
Owner/Builder	2 {Borehole Diameterinches Depth	ft				
1802 CENTRAL AVE	Casing Diameterin. Lengthft.Thickness	in				
Address of Well Location	Casing Height Above Ground	ft				
City_CLEVELAND Zip Code +4, 44113	(1. PVC					
Permit No Section; and or Lot No	Type { 2:					
Use of Well MONITOR	1: Threaded					
Coordinates of Well (Use only one of the below coordinate systems)	Joints { 2:					
State Plane Coordinates	SCREEN					
N	Diameter 2 in. Slot Size 0.01 in. Screen Length 10	ft				
S Y ft.	Type MACHINE SLOTTED Material PVC					
Latitude, Longitude Coordinates	Set Between 18 ft. and 8	ft				
Latitude: 41.49639 Longitude: 81.67725	GRAVEL PACK (Filter Pack) Material/ Size Vol/Wt. Used 400 LBS.					
Elevation of Well in feet: ft.	Material/ SILICA SAND Used 400 LBS.					
Datum Plane: NAD27 X NAD83 Elevation Source	Method of Installation Poured (gravity)					
Source of Coordinates: GPS	Depth: Placed From: 18 ft. To: 6	f				
Well location written description:	CDOUT					
INNERBELT STUDY SITE 27	Material Bentonite pellets/chunks Vol/Wt. Used 100 LBS.					
	Method of Installation Poured (gravity)					
	Depth: Placed From:6ft. To:1	ft.				
·						
	DRILLING LOG*					
Comments on water quality/quantity and well construction:	FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED					
	Color Texture Formation From To					
	FILL MATERIAL 0	2				
· ·		18				
WELL TEST *						
Pre-Pumping Static Level0 ft. Date						
Measured from						
Pumping test method						
Test Rate gpm Duration of Testhrs.						
Feet of Drawdown ft. Sustainable Yieldgpm						
*(Attach a copy of the pumping test record, per section 1521.05, ORC)						
ls Copy Attached? ☐ Yes						
DIMEDIAL FOO						
PUMP/PITLESS						
Type of pumpgpm						
Pump set atft, Pitless Type						
Pump installed by						
I hereby certify the information given is accurate and correct to the best of my knowledge.						
Drilling Firm H.A.D. INC.						
Address 9797 BENNER RD						
City, State, Zip <u>RITTMAN OH 44270</u>						
Signed SUSAN BROMLEY Date 7/25/2006						
	Aquifer Type (Formation producing the most water.) SAND					
ODH Pagistration Number	Date of Well Completion 7/20/2006 Total Depth of Well 18	ft.				

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0179990

LOCATION				SITE #33 MW01
			Circle One or Both	
CountyCUYAHO	OGA Towns	hip CLEVELAND	Section/Lot Number	
Owner/Builder	ST	ATE INDUSTRIAL PI	RODUCTS	
Circle One or Both	0400			u 10
Address of Well Locati	on 3100 Number		HAMILTON AVEN Street Name	UE
City — CLEVEL				
City — CLLVLL	miles	Zip C	ode <u>44114</u>	***************************************
Property Location -	n,	e, s, w	nearest intersec	ction
Description	on the	side of	road name	
	n, e, s, w		road name	•
Location of State	Plane s 🗆 X	+/-	Degrees Minutes ☐ Degrees Min. S	+/ ft. or m
Well in either:	OR	☐ In Decimal Degrees ☐	Degrees Minutes Degrees Min. S	ec.
L atitu	de/Longitude (Latitude _		Longitude	
Flevation of Well	+/ ft. c	Datum Plain:	NAD27 - NAD83	
Lievation of vvoii	ft. c	orm Datum Plain.	NADZI 🗆 NADOO	
Source of Coordinates	: □ GPS □ Survey	☐ Other		
		2004224	علر	circle one)
ORIGINAL WELL	ODNR Well Log Number	2004334	Copy attached? You	es dr No
	I OTION DETAIL O	D.I (surements 6/11/200	<u>.</u>
MEASURED CONSTR	OCTION DETAILS	Date of mea	surementsO/1//200	9
Depth of Well1	7'	Stati	c Water Level 4'	
Size of Casing	2"	Len	c Water Level4' gth of casing7'	74
Well ConditionG	iood		gur or odding	,
SEALING PROCEDUR	· ·			
Method of Placement	POURED			
			Sealing Material	
Placement: From	17' To _	1'	BENTONITE HOLE PLUG	50 LBS
From _	To _			
From _	To _			
				•
Was Casing Removed?	? (Yes ør No (circle one)			
Condition of Cooling	Good		•	
Condition of Casing _ Perforations: From _				-
From	_			
110111				
Date Sealing Performed	d 6/11/2009	U. S. Maryer (1997)		
Reason(s) for Sealing	No Longer Need	led		
				A D.
CONTR 4 OTOP				
CONTRACTOR Name H.A	A.D., Inc.	UUH E	Registration #	
	97 Benner Road		logionation "	
City/State/Zip Rit	tman, Ohio 44270			
	2 11/1/11			
Signature	M///////	/		
l héreby cértify t	he information given is accurate and	correct to the best of my knowle	edge.	

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources

Well Log Number 2004334

DNR 7802.05e

Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605 Voice (614) 265-6740 Fax (614) 265-6767 Page 1 of 1 for this record. CONSTRUCTION DETAILS WELL LOCATION Drilling Method: AUGER BOREHOLE/CASING (Measured from ground surface) ___ Township CLEVELAND County CUYAHOGA Sorehole Diameter 8.25 inches 16 Casing Diameter 2 in. Length 6 _ft.Thickness _0.154_in. STATE INDUSTRIAL PRODUCTS Owner/Builder Borehole Diameter _____ Depth _____ 3100 HAMILTON AVE Casing Diameter____in. Length ____ __ ft.Thickness ___ Address of Well Location Casing Height Above Ground ___ City CLEVELAND 1: PVC Zip Code +4___ ____ and or Lot No. Permit No. _ Section: 1: Threaded Use of Well MONITOR Joints Coordinates of Well (Use only one of the below coordinate systems) SCREEN State Plane Coordinates in. Screen Length____ 2___in. Slot Size__ Diameter__ N \square PVC MACHINE SLOTTED. Туре__ __ Material ____ s□ Latitude, Longitude Coordinates Set Between _ ft. and Longitude: 81.67216 GRAVEL PACK (Filter Pack) Latitude: 41.51419 Vol/Wt. _ Used _350 LBS. Material/ Size SILICA SAND Elevation of Well in feet: _ Method of Installation Poured (gravity) Datum Plane: NAD27 X NAD83 Elevation Source Depth: Placed From: __ ft. To: _ Source of Coordinates: GPS Well location written description: GROUT Vol/Wt. Used _ 150 LBS. Material Bentonite pellets/chunks INNERBELT STUDY SITE 33 Method of Installation Poured (gravity) 5 ____ ft. To: __ Depth: Placed From: __ DRILLING LOG* Comments on water quality/quantity and well construction: FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED. Color Texture Formation From FILL MATERIAL SAND 16 **WELL TEST *** Pre-Pumping Static Level ____ Date Measured from Pumping test method ____ Duration of Test ___ Test Rate _____gpm Feet of Drawdown _____ ft. Sustainable Yield _ *(Attach a copy of the pumping test record, per section 1521.05, ORC) Flowing Well? Yes No X Is Copy Attached? Yes X No **PUMP/PITLESS** gpm _ Capacity. Type of pump_ Pump set at _____ft. Pitless Type_ Pump installed by_ I hereby certify the information given is accurate and correct to the best of my knowledge. Drilling Firm H.A.D. INC. Address 9797 BENNER RD City, State, Zip RITTMAN OH 44270 SUSAN BROMLEY Signed _____ Aquifer Type (Formation producing the most water.) SAND (Filed Electronically) Date of Well Completion 7/31/2006 __ Total Depth of Well_ ODH Registration Number

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0179988

LOCATION					u j = - G .	SITE#33 MW02
					cle One or Both	
County	CUYAHOO	SA Towns	hip CLE	VELAND Sec	tion/Lot Number	
Circle One or Bo	th				CIS	
Address of W	lell Location	3100 Number			HAMILTON AVENUE	Ξ
71001033 01 VV	i	Number			Street Name	
City —	CLEVELAN	ND		Zip Code	44114	
Property Loca	ation —	miles _{n,}	e, s, w	of	nearest intersection	1
Description	on t	he	si	de of	•	
		N n, e, s, w			road name	1.1.1.1
Location of Well in either	State Pla	ine s□ X 📗		+/-	ft. or m Y	ft. or m
wen in enner	, OII	Check ONE	∐in Decimai i	Degrees Degrees	Longitude	ļ
	•					
Elevation of V	Vell	+/ ft. o	orm Datum I	Plain: 🗆 NAD27	□ NAD83	
Source of Co.	ordinatos: [ODC Deurov	Othor			
Source of Cod	ordinales. L	☐ GPS ☐ Survey			(circle	e one)
ORIGINAL W	ELL OD	NR Well Log Number	2(004336	Copy attached? Yes	
					6/11/2000	
MEASURED	CONSTRUC	TION DETAILS	Da	te of measureme	ents 6/11/2009	`
Depth of Well	15'			Static Wate	r Level4'	A A A A A A A A A A A A A A A A A A A
Size of Casing	2"			Length of c	er Level 4' casing 5'	
Well Condition	Goo		9412			
SEALING PRO	OCEDURE	DOUDED				
Method of Place	cement	POURED		\$0	aling Material	Volume
Discoment	- Fram	15' _{To}	1'		ONITE HOLE PLUG	
Placement:					OTHER POLETICO	
		To _				
					•	
Was Casing R	emoved?	Yes or No (circle one)				
Condition of C	asing	Good				
Perforations:	•	To				
	From	To				
Date Sealing F	Porformed	6/11/2009				
Reason(s) for		No Longer Need	led			
	_					
070	-		·			
CONTRACTO Name	H.A.D	, Inc.		ODH Registra	ation #	
Address	9797	Benner Road				
City/State/Zip	Rittma	an, Ohio 44270				
Olava astrono	Amerika)-1/1/A				
Signature	reby certify the in	formation given is accurate and	correct to the best	of my knowledge.		

WELL LOG AND DRILLING REPORT
Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number 2004336 Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS
	Drilling Method: AUGER
County CUYAHOGA Township CLEVELAND	BOREHOLE/CASING (Measured from ground surface)
•	Borehole Diameter 8.25 inches Depth 22 f
STATE INDUSTRIAL PRODUCTS	Casing Diameter 2 in. Length 12 ft.Thickness 0.154 ir
Owner/Builder	2 Borehole Diameterinches Depthf Casing Diameterin. Lengthft.Thicknessir
3100 HAMILTON AVE	
Address of Well Location	Casing Height Above Groundf
City CLEVELAND Zip Code +4 44114	Type {1: PVC
Permit No Section; and or Lot No	
Use of Well_MONITOR	loints { 1: Threaded
Coordinates of Well (Use only one of the below coordinate systems)	Joints 2:
State Plane Coordinates	JOKELIN
N	Diameter 2 in. Slot Size 0.01 in. Screen Length 10 f
S □ Y +/ ft.	Type MACHINE SLOTTED Material PVC
Latitude, Longitude Coordinates	Set Between 22 ft. and 12 f
Latitude: 41.51437 Longitude: 81.67172	GRAVEL PACK (Filter Pack) Vol/Wt. 400 LBS
Elevation of Well in feet: ft.	Material/ Size SILICA SAND Vol/Wt. Used 400 LBS.
Datum Plane: NAD27 X NAD83 Elevation Source	Method of Installation Poured (gravity)
Source of Coordinates: GPS	Depth: Placed From: 22 ft. To: 10
Well location written description:	GROUT Material Bentonite pellets/chunks Vol/Wt. Used 250 LBS.
INNERBELT STUDY SITE 33	
	Method of Installation Poured (gravity)
	Depth: Placed From: 10 ft. To: 1 ft
·	DRILLING LOG*
Comments on water quality/quantity and well construction:	
Comments on water quality quantity and wen construction.	FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED
	Color Texture Formation From To FILL MATERIAL 0 2
	SAND AND SILT 2 22
WELL TEST *	
Pre-Pumping Static Level0 ft. Date	
Measured from	
Pumping test method	
Test Rate gpm Duration of Testhrs.	
Feet of Drawdown ft. Sustainable Yield gpm	<u> </u>
*(Attach a copy of the pumping test record, per section 1521.05, ORC)	
s Copy Attached? Yes No Flowing Well? Yes No	
PUMP/PITLESS	
Type of pump Capacitygpm	
Pump set atft. Pitless Type	
Pump installed by	
I hereby certify the information given is accurate and correct to the best of my knowledge.	
Drilling Firm H.A.D. INC.	
Address 9797 BENNER RD	
City, State, Zip RITTMAN OH 44270	
Signed SUSAN BROMLEY Date 8/8/2006	A V T T T C U L L L L L L L L L L L L L L L L L L
(Filed Electronically)	Aquifer Type (Formation producing the most water.) SAND AND SILT
DDH Registration Number	Date of Well Completion 7/31/2006 Total Depth of Well 22 ft.

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0179989

LOCATION		a andre Silva Middler (1974) (1980) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (1990) (199		Company of the control of the contro		SITE #33 MW03
					Circle One or Both	
County	CUYAHOGA	Townsh	ipCLEV	ELAND_	Section/Lot Number	
Owner/Builder Circle One or Botl		ST	ATE INDUST	<u> FRIAL PR</u>	ODUCTS	
		3100			HAMILTON AVENU	IF
		Number			Street Name	
City —	CLEVELAND)		Zin Cod	le <u>44114</u>	
Property Locat	tion	miles	a c w	of	nearest intersection)n
Description		11, 4	-:-I		nearest mersecue	
	on the	n, e, s, w	SIG	€ Of	road name	
Location of Well in either:	State Plane OR Latitude/Lor	s □ X □ □ □ Check ONE	☐In Decimal De	+/- grees □ De	Y	ft. or m
Elevation of W	/ell	+/ ft. or	m Datum Pla	ain: 🗆 NA	D27 🗆 NAD83	
Source of Coo	ordinates: 🗆 G	BPS ☐ Survey	□ Other			le one)
ORIGINAL WE	ELL ODNI	R Well Log Number	200	04340	Copy attached? Yes.	, ,
MEASURED C	ONSTRUCTION	ON DETAILS	Date	of measu	rements 6/11/2009	
Depth of Well Size of Casing Well Condition	2"			_ Length	Water Level 4' of casing 5'	
SEALING PRO	OCEDURE	POURED				
Metriod or riac				-	Sealing Material	Volume
Placement:		To			ENTONITE HOLE PLUG	50 LBS
	From	To				
	From	10				,
Was Casing Re	emoved?	Yes. or No (circle one)			•	e ^r
Condition of Ca	asina	Good				
Perforations:	_ ~	To				
	From	To				
Date Sealing P		6/11/2009	dod		-	
Reason(s) for S	Sealing	No Longer Need	<u> </u>			
CONTRACTOR	?	ln e				
Name	H.A.D., 9797 B	inc. enner Road	And Andrew	ODH Reg	gistration #	
Address City/State/Zip		n, Ohio 44270			A CONTRACTOR OF THE PARTY OF TH	
Ony/Otate/Zip		11/14-16				
Signature Inter	eby certify the inform	nation given is accurate and	correct to the best of	f my knowledge		

WELL LOG AND DRILLING REPORT
Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

DNR 7802.05e

Well Log Number

2004340 Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS	
	Drilling Method: AUGER	•
County CUYAHOGA Township CLEVELAND	BOREHOLE/CASING (Measured from ground surface)	
		22
STATE INDUSTRIAL PRODUCTS	Casing Diameter 2 in. Length 12 ft.Thickness	0.154 i
Owner/Builder	2 Borehole Diameterinches Depth	
3100 HAMILTON AVE	Casing Diameterin. Lengthft.Thickness _	
Address of Well Location	Casing Height Above Ground	
City CLEVELAND Zip Code +4 44114		
Permit No Section; and or Lot No.	Type {1: <u>PVC</u> 2:	
Use of Well MONITOR	(4. Threaded	
Coordinates of Well (Use only one of the below coordinate systems) State Plane Coordinates	Joints 2:	
	CONTELLY	10 -
N □ X ft. S □ Y ft.	Diameter 2 in. Slot Size 0.01 in. Screen Length PMC	
Latitude, Longitude Coordinates	TypeMACHINE SLOTTED Material PVC Set Between 22 ft. and 12	f
Latitude: 41.51476 Longitude: 81.67126		f
Elevation of Well in feet: ft.	GRAVEL PACK (Filter Pack) Material/ Size SILICA SAND Vol/Wt. Used 400 LBS.	
Datum Plane: NAD27 X NAD83 Elevation Source	Size Used 400 EBC. Method of Installation Poured (gravity)	
Source of Coordinates: GPS		
Well location written description:	GROUT	1
INNERBELT STUDY SITE 33	Material Bentonite pellets/chunks Vol/Wt. Used 250 LBS.	
	Method of Installation Poured (gravity)	
	Depth: Placed From: 10 ft. To: 1	ft
•	Deput. Flaced Florit,IL. To	11
	DRILLING LOG*	
Comments on water quality/quantity and well construction:	FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOU	NTERED.
	Color Texture Formation From	То
	FILL MATERIAL C	0 2
	i i	2 22
	1	
WELL TEST *		1
_		
Pre-Pumping Static Level 0 ft. Date		
Measured from		
Pumping test method		
Test Rategpm Duration of Testhrs.		
Feet of Drawdownft. Sustainable Yieldgpm		
*(Attach a copy of the pumping test record, per section 1521.05, ORC) s Copy Attached? ☐ Yes ☒ No Flowing Well? ☐ Yes ☒ No		
PUMP/PITLESS		+
Гуре of pumpgpm		1
Pump set atft. Pitless Type		†
Pump installed by		
I hereby certify the information given is accurate and correct to the best of my knowledge.		
Orilling Firm H.A.D. INC.	i	
Address 9797 BENNER RD		ļ
City, State, Zip RITTMAN OH 44270		ļl
Signed SUSAN BROMLEY Date 8/8/2006		
(Filed Electronically)	Aquifer Type (Formation producing the most water.) SAND	
DDH Registration Number	Date of Well Completion 7/31/2006 Total Depth of Well	22 ft.

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0179987

LOCATION				And the same part that yelling the same same plane become a few and a section. As a self-incide to the same		SITE #33 MW04
•				Circ	le One or Both	
County	CUYAHOO	A Towns	shipCLEV	ELAND_ Sect	ion/Lot Number	
		S ⁻	TATE INDUST	TRIAL PRODU	CTS	
Circle One or Bo		3100			HAMILTON AVENUE	:
		Number		MANAGEMENT (1971)	Street Name	
City —	CLEVELAN	1D		Zin Code	44114	
Property Loca	ution —	miles	w	_ of	44114 nearest intersection	
Description						
	on ti	n, e, s, w	SID	e ot	road name	
Location of		une s□ X		+/-	γ	
Well in either:	: J OB	∫Check ONE	☐ In Decimal De	egrees □ Degrees	. or m Y	
	(Latitude/	Longitude (Latitude _	41	.51469	Longitude	31.67073
Elevation of V	Vell	ft.	orm Datum P	ain: 🗌 NAD27	□ NAD83	
Source of Coo	ordinates: [☐ GPS ☐ Survey	☐ Other		·	
		_			(circle	•
ORIGINAL WI	ELL OD	NR Well Log Number	200		Copy attached? Yes o	r No
		TION DETAILS		of measureme		
Depth of Well	16'			Static Water	Level 5'	
Size of Casing	2"			_ Length of ca	Level 5' asing 6'	
Well Condition	God	od			20g	
SEALING PRO	OCEDURE	DOLLDED				
Method of Place	cement	POURED			12 N A - 1 - 12 - 1	
			1'		aling Material	
Placement:					ONITE HOLE PLUG	
Was Casing R	emoved?					
O		(circle one) Good				
Condition of Ca Perforations:	From	To				
i onoradono.	From	To	-			
		0/44/2000				
Date Sealing F		6/11/2009				
Reason(s) for	Sealing _	No Longer Nee	aea			
_						
CONTRACTO	R .	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \				
Name)., Inc. Benner Road		ODH Registra	tion #	
Address		an, Ohio 44270				
City/State/Zip		11/20			· ·	
Signature	THALL	2. THARS				
_ I héi	reby certify the in	formation given is accurate and	d correct to the best c	f my knowledge.		

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605 Voice (614) 265-6740 Fax (614) 265-6767

DNR 7802.05e

Well Log Number

2004345 Page 1 of 1 for this record.

WELL LOCATION CONSTRUCTION DETAILS Drilling Method: AUGER BOREHOLE/CASING (Measured from ground surface) County CUYAHOGA Township CLEVELAND 8.25 ___inches Depth _____15_ Borehole Diameter ____ Casing Diameter 2 in. Length 5 ___ ft.Thickness __0.154_in. STATE INDUSTRIAL PRODUCTS Owner/Builder Borehole Diameter _____inches Depth _____ ___ ft.Thickness ____ 3100 HAMILTON AVE Casing Diameter____ _in. Length _____ Address of Well Location Casing Height Above Ground ___ ∫1: <u>PVC</u> City CLEVELAND _ Zip Code +4___ Type Section; and or Lot No. Permit No. _ 1: Threaded Use of Well MONITOR Joints Coordinates of Well (Use only one of the below coordinate systems) SCREEN State Plane Coordinates 2___in. Slot Size_ __ in. Screen Length_ N \square Diameter_ Χ_ MACHINE SLOTTED Material_ s□ Type__ 15 Latitude, Longitude Coordinates Set Between _ ft. and _ Longitude: 81.67073 Latitude: 41.51469 GRAVEL PACK (Filter Pack) Vol/Wt. __Used_350 LBS. Material/ Size SILICA SAND Elevation of Well in feet: ___ Method of Installation Poured (gravity) Datum Plane: NAD27 X NAD83 Elevation Source_ Depth: Placed From: ___ Source of Coordinates: GPS __ ft. To: ___ Well location written description: GROUT Vol/Wt. Material_Bentonite pellets/chunks _ Used __150 LBS. CELVELAND INNERBELT STUDY SITE 33 #4 Method of Installation Poured (gravity) Depth: Placed From: DRILLING LOG* Comments on water quality/quantity and well construction: FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED. Color Texture Formation From **FILL MATERIAL** 2 SAND 13 CLAY 15 **WELL TEST *** Pre-Pumping Static Level ___ Date Measured from _____ Pumping test method ___ Test Rate _ gpm Duration of Test _ ft. Sustainable Yield Feet of Drawdown gpm *(Attach a copy of the pumping test record, per section 1521.05, ORC) Flowing Well? Yes Is Copy Attached?

Yes X No X No PUMP/PITLESS Type of pump___ Capacity _gpm Pump set at _____ft. Pitless Type_ Pump installed by_ I hereby certify the information given is accurate and correct to the best of my knowledge Drilling Firm H.A.D. INC. Address 9797 BENNER RD City, State, Zip RITTMAN OH 44270 SUSAN BROMLEY __ Date <u>8/8/2006</u> Signed (Filed Electronically) Aquifer Type (Formation producing the most water.) SAND Date of Well Completion 8/1/2006 Total Depth of Well_ ODH Registration Number

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0179994

LOCATION		SITE #33 MW05
	Circle One or Both	
CountyCUYAHOGA Township	CLEVELAND Section/Lot Number	
Owner/Builder STATE	INDUSTRIAL PRODUCTS	And the second s
	HAMILTON AVENUE	
Humber	Street Name	
City CLEVELAND Property Location miles n, e, s, v	Zip Code44114	
Property Location — miles — n.e.s.)	of nearest intersection	
Description	oide of	
On the	side of road name	
Location of State Plane S X	+/ ft.or m Y	
Well in either: OR ∫Check ONE □In	Decimal Degrees Degrees Minutes Degrees Min. Sec.	}
Latitude/Longitude Latitude	Longitude	
Elevation of Well ft. or m	Datum Plain: ☐ NAD27 ☐ NAD83	
1. or m	Datam Figure 197827	
Source of Coordinates: ☐ GPS ☐ Survey ☐ G	Other	
	2004346 (circle o	•
ORIGINAL WELL ODNR Well Log Number	Copy attached? Yes or	NO
MEASURED CONSTRUCTION DETAILS	Date of measurements 6/11/2009	
Depth of Well 23'	Static Water Level 5' Length of casing 13'	
Size of Casing Good	Length of casing	
Well Condition Good		
SEALING PROCEDURE TREMMIE GROUT		
Method of Placement	Sealing Material	Volume
Discourant 5 23' To 1	' GROUT DF	
Placement: From To To		/ GALLONS
Was Casing Removed? Yes or No (circle one)		
Good		
Condition of Casing To		
From To		
6/11/2000		
Date Sealing Performed 6/11/2009 Reason(s) for Sealing No Longer Needed		
Reason(s) for Sealing No Longer Needed		
		and the same and t
CONTRACTOR		•
Name H.A.D., Inc. 9797 Benner Road	ODH Registration #	
Rittman Obje 44270		
City/State/Zip City/State/Zip		
Signature Annal 1111		
I hereby certify the information given is accurate and correct	t to the best of my knowledge.	

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605 Voice (614) 265-6740 Fax (614) 265-6767 Well Log Number 2004346

WELL LOCATION Drilling Method: AUGER BOREHOLE/CASING (Measured from ground surface) County CUYAHOGA ___ Township CLEVELAND Borehole Diameter 8.25 inches Depth ____ 15 STATE INDUSTRIAL PRODUCTS Casing Diameter 2 in. Length 5 __ft.Thickness __0.154_in. Owner/Builder ∫Borehole Diameter _____inches 3100 HAMILTON AVE Casing Diameter____in. Length ____ __ ft.Thickness __ Address of Well Location Casing Height Above Ground ___ City CLEVELAND 1: PVC __ Zip Code +4_____ Type { 2: _ Permit No. Section; _____ and or Lot No._ Use of Well MONITOR 1: Threaded Joints 6 Coordinates of Well (Use only one of the below coordinate systems) State Plane Coordinates SCREEN N 🔲 0.01 in. Screen Length_ Diameter__ 2___in. Slot Size__ s 🗆 Υ_ MACHINE SLOTTED Material Latitude, Longitude Coordinates Set Between ____ ft. and _ Longitude: _81.67083 Latitude: 41.51452 GRAVEL PACK (Filter Pack) Vol/Wt. _ Used 350 LBS. Elevation of Well in feet: ___ Material/ Size SILICA SAND Datum Plane: NAD27 X NAD83 Elevation Source Method of Installation Poured (gravity) Source of Coordinates: GPS Depth: Placed From: ft. To: Well location written description: GROUT Vol/Wt. INNERBELT STUDY SITE 33 Material Bentonite pellets/chunks Used __150 LBS. Method of Installation Poured (gravity) Depth: Placed From: _____ ft. To; ___ **DRILLING LOG*** Comments on water quality/quantity and well construction: FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED. Color Texture Formation From FILL MATERIAL SAND 2 13 15 **WELL TEST *** Pre-Pumping Static Level ____ Date ___ Measured from _ Pumping test method ___ Test Rate __ ___ gpm Duration of Test _ Feet of Drawdown _____ ft. Sustainable Yield *(Attach a copy of the pumping test record, per section 1521.05, ORC) Is Copy Attached?

Yes X No Flowing Well? Yes X No PUMP/PITLESS Type of pump_ Capacity _ .gpm Pump set at _____ft. Pitless Type_ I hereby certify the information given is accurate and correct to the best of my knowledge. Drilling Firm H.A.D. INC. Address 9797 BENNER RD City, State, Zip RITTMAN OH 44270 SUSAN BROMLEY Date 8/8/2006 (Filed Electronically) Aquifer Type (Formation producing the most water.) SAND ODH Registration Number Date of Well Completion____ 8/1/2006 Total Depth of Well_

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0179992

LOCATION				SITE #33 MW06
			Circle One or Both	
CountyCUYAHO	GA Townsh	ipCLEVELAND	Section/Lot Number	
Owner/Builder Circle One or Both	STA	TE INDUSTRIAL PRO	DUCTS	
Address of Well Location	3100		HAMILTON AVEN	IUE
	ramoo		Street Name	
City CLEVELA	ND	Zip Cod	e 44114 nearest intersec	
Property Location —	miles n, e	Of ə, s, w	nearest intersed	ction
Description	the	side of		
	N □		road name)
Location of Well in either: $\begin{cases} \text{State PI} \\ \text{OF} \\ \text{Latitude} \end{cases}$	ane s □ X □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □		grees Minutes Degrees Min. S Longitude	ec. ft. or
Elevation of Well	+/ ft. or	_m Datum Plain: □ NAI	D27 🗆 NAD83	
Source of Coordinates:	□ GPS □ Survey	□ Other		inde an a
ORIGINAL WELL O	DNR Well Log Number	2004353	•	ircle one) es or No
MEASURED CONSTRU	CTION DETAILS	Date of measur	ements6/11/200	9
Conth of Mall 23		Static V	Vator Level 5'	
Size of Casing 2'	1	Length	Vater Level 5' of casing 13'	
Well Condition Go)OU		<u> </u>	
SEALING PROCEDURE				
SEALING PROCEDURE Method of Placement	TREMMIE GRO	DUT	Casling Material	Volumo
	23' -	1'	Sealing Material GROUT DE	Volume 7 GALLONS
Placement: From			GROOT DI	
	To			
Vas Casing Removed?	Van er No			
vas Casing nemoved?	(circle one)			
Condition of Casing	Good		AARA 300 TO	
	То			
From	To			
Date Sealing Performed	6/11/2009		_	
Reason(s) for Sealing	No Longer Need	ed		
CONTRACTOR				
Jame H.A.	D., Inc.	ODH Reg	istration #	
Address 979	/ Benner Road			
City/State/ZipRitti	man, Ohio 44270		,	
Signature hereby certify the	information given is accurate and c	correct to the best of my knowledge		

WELL LOG AND DRILLING REPORT

DNR 7802.05e

Ohio Department of Natural Resources Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605 Voice (614) 265-6740 Fax (614) 265-6767 Well Log Number 2004353

Page 1 of 1 for this record.

CONSTRUCTION DETAILS WELL LOCATION Drilling Method: AUGER BOREHOLE/CASING (Measured from ground surface) County CUYAHOGA Township CLEVELAND 19 Casing Diameter 2 in. Length 9 __ ft.Thickness <u>0.154</u>in. STATE INDUSTRIAL PRODUCTS Owner/Builder Borehole Diameter _____inches Depth ____ 3100 HAMILTON AVE Casing Diameter_ _in. Length _____ ft. Thickness ____ Address of Well Location Casing Height Above Ground _ City CLEVELAND __ Zip Code +4,____ Permit No. ___ Section; _____ and or Lot No. 1: Threaded Use of Well MONITOR Joints Coordinates of Well (Use only one of the below coordinate systems) State Plane Coordinates SCREEN 0.01 __ in. Screen Length__ Diameter 2 in. Slot Size ___ Type_____MACHINE SLOTTED____ Material___ PVC s 🗆 Υ 19 Latitude, Longitude Coordinates Set Between _____ _ ft. and __ Longitude: 81.67265 Latitude: 41.51423 GRAVEL PACK (Filter Pack) Vol/Wt. Used 400 LBS. Material/ Size SILICA SAND Elevation of Well in feet: ___ Method of Installation Poured (gravity) Datum Plane: ☐ NAD27 ☒ NAD83 Elevation Source Source of Coordinates: GPS Depth: Placed From: ___ __ ft. To: _ Well location written description: GROUT Vol/Wt. Used _ 200 LBS. Material Bentonite pellets/chunks INNERBELT STUDY SITE 33 Method of Installation Poured (gravity) 7 Depth: Placed From: ____ ft. To: _ DRILLING LOG* Comments on water quality/quantity and well construction: FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED. Color Texture Formation From FILL MATERIAL 0 SAND 17 CLAY 19 **WELL TEST *** 0 ___ ft. Pre-Pumping Static Level Date Measured from Pumping test method ____ Test Rate ___ gpm Duration of Test _ hrs. Feet of Drawdown _____ ___ ft. Sustainable Yield _ *(Attach a copy of the pumping test record, per section 1521.05, ORC) Is Copy Attached?

Yes X No Flowing Well? Tes X No PUMP/PITLESS Type of pump_ _ Capacity Pump set at _____ft. Pitless Type_ Pump installed by I hereby certify the information given is accurate and correct to the best of my knowledge Drilling Firm H.A.D. INC. Address 9797 BENNER RD City, State, Zip RITTMAN OH 44270 SUSAN BROMLEY 8/8/2006 Signed ____ (Filed Electronically) Aquifer Type (Formation producing the most water.) SAND 8/1/2006 Date of Well Completion Total Depth of Well_ ODH Registration Number

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0179993

Division of Water 2045 Morse Rd., Bldg B Columbus, OH 43229-6693

Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION						SITE #33 MW07
					rcle One or Both	
County Owner/Builder Circle One or Bot		Towns	ship <u>CLE</u> TATE INDU	VELAND Se STRIAL PROD	ction/Lot Number UCTS	
Address of We	ell Location _	3100 Number			HAMILTON AVEN	UE
City ———	CLEVELANI	milos		Zip Code	44114 nearest intersecti	
Property Loca Description					nearest intersecti road name	
Location of Well in either:	State Plan	e s 🗆 X	. □In Decimal	Degrees Degree	ft, or m	tt. or m
Elevation of W	/ell	+/ ft.	_{or m} Datum	Plain: ☐ NAD27	7 □ NAD83	
Source of Coo	rdinates: 🗆	GPS □ Survey	□ Other_			
ORIGINAL WE	ELL ODN	R Well Log Number	2	2004344	Copy attached? Yes	cle one) s or No
MEASURED C	ONSTRUCT	ON DETAILS	Da	ate of measurem	ents 6/11/2009	9
Depth of Well Size of Casing Well Condition	G000				er Level 5' casing 10'	
SEALING PRO	CEDURE	TDEMMIE OF	OUT			
Method of Plac	ement	TREMMIE GF	KOU I	Se	ealing Material	Volume
Placement:	From	To _				4.5 GALLONS
Was Casing Re	emoved?	Yes or No				
Condition of Ca Perforations:	ising					
Date Sealing P Reason(s) for S	erformed Sealing	6/11/2009 No Longer Nee	ded		·	·
CONTRACTOR	H.A.D.,			ODH Registr	ation #	
Address		enner Road n, Ohio 44270				
Dity/State/Zip		11/1/25				
Signature	eby certify the infor	mation given is accurate and	correct to the be	st of my knowledge.		

WELL LOG AND DRILLING REPORT
Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number

2004344 Page 1 of 1 for this reco

WELL LOCATION YELL	CONSTRUCTION DETAILS	516
	Dellin NA. 4 ALICED	<u> </u>
County CUYAHOGA Township CLEVELAND	BOREHOLE/CASING (Measured from ground surface)	:
	(5)	`
STATE INDUSTRIAL PRODUCTS	1 Borehole Diameter 8.25 inches Depth 20 Casing Diameter 2 in. Length 10 ft.Thickness	0.1
Owner/Builder	Borehole Diameter inches Donth	0.1.
1300 HAMILTON AVE	2 {Borehole Diameterinches Depth Casing Diameterin. Lengthft.Thickness	
Address of Well Location	Casing Height Above Ground	
City CLEVELAND Zip Code +4 \ 44114		
Permit No Section; and or Lot No	Type { 1: PVC	
Use of Well MONITOR	Joints { 1: Threaded	
Coordinates of Well (Use only one of the below coordinate systems)	Joints { 1: Threaded 2: SCREEN	
State Plane Coordinates	SCREEN	
N	Diameter 2 in Slot Size 0.01 in Screen Length 1	0
S □ Y +/ ft.	Type MACHINE SLOTTED Material PVC	
Latitude, Longitude Coordinates	Set Between 20 ft. and 10	
Latitude: 41.51361 Longitude: 81.6737	CDAVEL DAGIC :	
Elevation of Well in feet: +/ ft.	Material/ SILICA SAND Vol/Wt.	
Datum Plane: NAD27 X NAD83 Elevation Source	Method of Installation Poured (gravity)	
Source of Coordinates: GPS Well location written description:	Depth: Placed From: 20 ft. To: 8	
NNERBELT STUDY SITE 33	ODOUG	
THE STORE ST	Material Bentonite pellets/chunks Vol/Wt. Used 350 LBS.	
	Method of Installation Poured (gravity)	
•	Depth: Placed From: 8 ft. To: 1	
Comments on water quality/quantity and well construction:	DRILLING LOG*	
	FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNT Color Texture Formation Formation	SER
	Tornation From	
	SAND AND CLAY 0	
WELL TEST *		
e-Pumping Static Level 0 ft. Date		
easured from mping test method		
15.1		
st Rategpm Duration of Testhrs. et of Drawdownft. Sustainable Yield		
	m	
ttach a copy of the pumping test record, per section 1521.05, ORC) Copy Attached? ☐ Yes ☒ No Flowing Well? ☐ Yes ☒ No		
No Flowing Well? Yes X No)	
PUMP/PITLESS		
e of pumpgpn		
np set atft. Pitless Type		••••
np installed by		
nereby certify the information given is accurate and correct to the best of my knowledge.		
ing Firm <u>H.A.D. INC.</u>		
ress 9797 BENNER RD		
State, Zip RITTMAN OH 44270		
ed Date 8/8/2006		
led SUSAN BROMLEY Date 8/8/2006 (Filed Electronically) Registration Number	Aquifer Type (Formation producing the most water.) SAND AND CLAY	

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES Division of Water

2045 Morse Rd., Bldg B Columbus, OH 43229-6693 Voice: (614) 265-6740 Fax: (614) 265-6767

0179991

LOCATION						SITE #33 MW08	
					rcle One or Both		
County	CUYAHO	ξ Α Το	ownshipC[EVELAND Se	ction/Lot Number		
Owner/Builde Circle One or Bo		*	STATE IND	USTRIAL PRODU	JCTS		
		310	0	· ·	HAMILTON AVEN	UE	
		Numbe	er		Street Name		
City	CLEVELAN	1D		Zip Code	44114		
Property Locati Description	ation	miles	n, e, s, w	of	44114 nearest intersec	tion	
	OII	N □	, S, W	. 3140 01	road name		
Location of Well in either	State Plant:	ane s□ X(Chock	ONE In Decir	mal Degrees Degree	ft. or m Y	ec. ft. or n	
Elevation of \				ım Plain: 🗌 NAD2			
Source of Co	ordinates: [□GPS □ Su	rvey 🗆 Othe	r		ircle one)	
ORIGINAL W	ELL O	ONR Well Log Nur	nber	2004342	Copy attached? Ye	manage of the second se	
MEASURED	CONSTRUC	TION DETAILS		Date of measurem	ents 6/11/2009	9	
D 11 (14/11	201			Obstic Mad	5'		
Depth of Well Size of Casing	$\frac{20}{2}$			Static wat	er Level		
Well Condition	n Goo	od		Length of	casing		
SEALING PR	OCEDIIDE						
Method of Pla	cement	TREMMIE	GROUTED				
					ealing Material		
Placement:					GROUT DF		
	F10111		10				
Was Casing F	Removed?	Yes or No					
		(circle one) Good					
Condition of C	•		т_				
Perforations:	From From		To				
	/ 10111		10				
Date Sealing	Performed		harden and the second				
Reason(s) for	Sealing _	No Longer I	Veeded				
CONTRACTO)R	govi n de la companya de la companya					
Name	H.A.D		×.	ODH Registr	ation #		
Address		Benner Road					
City/State/Zip	Kittm	an, Ohio 44270					
Signature	111121						
Jigilatalo	ereby certify the i	nformation given is accura	ate and correct to the	best of my knowledge.	-		
Comme							

WELL LOG AND DRILLING REPORT
Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number 2004342

	10 Fax (614) 265-6767 Page 1 of 1 for	this record.
WELL LOCATION	CONSTRUCTION DETAILS	
	Drilling Method: AUGER	
County CUYAHOGA Township CLEVELAND	BOREHOLE/CASING (Measured from ground surface)	;
	Borehole Diameter8.25inches Depth	
STATE INDUSTRIAL PRODUCTS	Casing Diameter 2 in. Length 6 ft.Thickness	s <u>0.154</u> ir
Owner/Builder	2 Borehole Diameterinches Depth	f
3100 HAMILTON AVE	Casing Diameterin. Lengthft.Thickness	sir
Address of Well Location	Casing Height Above Ground	f
City CLEVELAND Zip Code +4 44114	11. PVC	
Permit No Section; and or Lot No	Type { 2:	
Use of Well_MONITOR	1: Threaded	
Coordinates of Well (Use only one of the below coordinate systems)	Joints { 2:	
State Plane Coordinates	SCREEN	
N	Diameter 2 in. Slot Size 0.01 in. Screen Length_	f
N	Type MACHINE SLOTTED Material PVC	
Latitude, Longitude Coordinates	Set Between 16 ft. and 6	f
Latitude: 41.51415 Longitude: 81.67064	GRAVEL PACK (Filter Pack) Material/ Size Vol/Wt. Used 350 LBS.	
Elevation of Well in feet: ft.	Material/ SILICA SAND Used 350 LBS.	
Datum Plane: NAD27 X NAD83 Elevation Source	Method of Installation Poured (gravity)	
Source of Coordinates: GPS	Depth: Placed From: 16 ft. To: 5	
Well location written description:	CROUT	
INNERBELT STUDY SITE 33	Material Bentonite pellets/chunks Vol/Wt. Used 150 LBS.	
	Method of Installation Poured (gravity)	
	Depth: Placed From:5ft. To:1	ft
·		
	DRILLING LOG*	
Comments on water quality/quantity and well construction:	FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCO	DUNTERED
	Color Texture Formation From	om To
	FILL MATERIAL	0 1
	SAND	1 16
		1
WELL TEST *		
Pre-Pumping Static Level0 ft. Date		
Measured from		
Pumping test method		
Test Rate gpm Duration of Testhrs.		
Feet of Drawdown ft. Sustainable Yieldgpm		
*(Attach a copy of the pumping test record, per section 1521.05, ORC)		
s Copy Attached? Yes X No Flowing Well? Yes X No		
PUMP/PITLESS		
Type of pumpgpm		
Pump set atft. Pitless Type		
Pump installed by		
I hereby certify the information given is accurate and correct to the best of my knowledge.		
Orilling Firm H.A.D. INC.		
Address 9797 BENNER RD		
City, State, Zip RITTMAN OH 44270		
Signed SUSAN BROMLEY Date 8/8/2006		
3,11	Aquifer Type (Formation producing the most water.) SAND	
DDH Registration Number	Date of Well Completion 8/2/2006 Total Depth of Well_	16 ft.

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0179995

Division of Water 2045 Morse Rd., Bldg B Columbus, OH 43229-6693 Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION						SITE#34 MW01
				, ' · · · · · C	circle One or Both	
CountyC	HYAHOGA	Towns	ship <u>C</u> ⊾ E ₩	LAND S	ection/Lot Number	
Owner/Builder		EC		DYNEWLIA	L FINISHING	
Circle One or Both	nang ng paganan	The second secon	ri i		EAST 27TH STRE	= = T
Address of Wel	Location -	1725 Number			Street Name	L- 1
CI	LEVELAND				44113	
City ————				Zip Code of		
Property Location	on	miles			nearest interse	ection
Description	on the	э .	sid	le of		
		n, e, s, w	V			
Location of Well in either:	State Plan OR Latitude/Lo	Check ONE	□ In Decimal D	egrees 🔲 Degre	es Minutes Degrees Min. S Longitude	Sec.
Elevation of We	ell 📗 📗	ft.	_{or m} Datum P	lain: 🗆 NAD2	7 □ NAD83	
Source of Coord	dinates: 🗆	GPS				circle one)
ORIGINAL WEL	LL ODN	IR Well Log Numbe	r200)4069	Copy attached? Y	and the same of th
MEASURED CO	ONSTRUCT	ION DETAILS	Date	e of measuren	nents 6/09/200	09
Depth of Well Size of Casing Well Condition	18.5' 2" Good			Static Wa	ter Level 5' casing 8.5'	
SEALING PROOMethod of Place	ement	TREMMIE GR			Sealing Material GROUT DF	Volume 6 GALLONS
	From					
Was Casing Rer	moved?	Yes or No (circle one)				
	sing From From	Good To To				
Date Sealing Pe Reason(s) for Se		6/09/2009 No Longer Nee	ded			
CONTRACTOR Name Address City/State/Zip	H.A.D., 9797 B	Inc. enner Road n, Ohio 44270	Ocident Communicate In 1994	ODH Regist	tration #	
Signature 🚄	Trank	rmation given is accurate an	nd correct to the best	of my knowledge.		

WELL LOG AND DRILLING REPORT
Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number 2004069

Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS
	Drilling Method: AUGER
County CUYAHOGA Township CLEVELAND	BOREHOLE/CASING (Measured from ground surface)
	Borehole Diameter 8.25 inches Depth 18 ft
FORMER TELEDYNE METAL FINISHING	Casing Diameter 2 in. Length 8 ft.Thickness 0.154 in
Owner/Builder	2 Borehole Diameterinches Depthft
1725 E ST 27TH Address of Well Location	Casing Diameterin. Lengthft.Thicknessin
	Casing Height Above Groundff
City CLEVELAND Zip Code +4 44113	Type {1: PVC 2:
Permit No Section; and or Lot No	(2
Use of Well MONITOR	Joints 1: Threaded 2:
Coordinates of Well (Use only one of the below coordinate systems)	
State Plane Coordinates	SCREEN Diameter 2 in Slot Size 0.01 in Screen Length 10 ft
N □ X ft. S □ Y ft.	
	Type MACHINE SLOTTED Material PVC Set Between 18 ft. and 8 ft
Latitude, Longitude Coordinates	
Latitude: 41.50731 Longitude: 81.66979	GRAVEL PACK (Filter Pack) Material/ Size SILICA SAND Used 350 LBS.
Elevation of Well in feet: +/ ft.	Size Size Osed Osed Osed Osed Osed Osed Osed Ose
Datum Plane: NAD27 X NAD83 Elevation Source	Depth: Placed From: 18 ft. To: 7 f
Source of Coordinates: GPS	
Well location written description:	GROUT Material Bentonite pellets/chunks Vol/Wt. Used 250 LBS.
INNERBELL STUDY SITE 34	Method of Installation Poured (gravity)
	Depth: Placed From: 7 ft. To: 1 ft
	Depth: Placed From:
	DRILLING LOG*
Comments on water quality/quantity and well construction:	FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.
	Color Texture Formation From To
	FILL MATERIAL 0 2
WELL TEST *	
Pre-Pumping Static Level 0 ft. Date	1
Measured from	
Pumping test methodhrs. Test Rateppm Duration of Testhrs.	
Test Rate gpm Duration of Testhrs. Feet of Drawdown ft. Sustainable Yield gpm	
*(Attach a copy of the pumping test record, per section 1521.05, ORC)	
(Attach a copy of the pumping test record, per section 1321.03, ORC) Is Copy Attached? ☐ Yes ☐ No Flowing Well? ☐ Yes ☐ No	
is copy Attached: 163 Mo Homing Hom. 166 Mo	
PUMP/PITLESS	
Type of pumpgpm	
Pump set atft. Pitless Type	
Pump installed by	
I hereby certify the information given is accurate and correct to the best of my knowledge.	
Drilling Firm H.A.D. INC.	
Address 9797 RD BENNER	1
City, State, Zip RITTMAN OH 44270	
5115 111 55 61 11 51/	
Signed SUSAN BROMLEY Date //25/2006 (Filed Electronically)	Aquifer Type (Formation producing the most water.) SAND
ODH Registration Number	Date of Well Completion 7/24/2006 Total Depth of Well 18 ft.

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0179998

Division of Water 2045 Morse Rd., Bldg B Columbus, OH 43229-6693 Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION							SITE #34 MW02
					Circle One or I		
				CLEVELAND	Section/Lot I	Number	
Owner/Builder Circle One or Both			FORMER	R TELEDYNE N	METAL FINISH	ING	
		172	5		EAST	27TH STREET	
		Numbe	r	111111111111111111111111111111111111111		Street Name	
CityC	LEVELAN	D			,0ue	44113	
Property Locat		miles	n, e, s, w	of		nearest intersection	
Description							*
	OH III	en, e					•
Location of	State Plan	ne s□ X L		+/-	ft. or m	Degrees Min. Sec.	ft. or m
Well in either:		∫ Check	ONE In D	ecimal Degrees 🗔	Degrees Minutes	Degrees Min. Sec.	
	(Latitude/L	ongitude (Latitu	de		Long	itude	
Elevation of W	ell	+/-	ft. or m D	atum Plain: 🗆 I	NAD27 🗆 NA	AD83	
Source of Coo	rdinates: 🗆	GPS □ Su	rvey 🗆 Ot	ther			
				2004121		(circle	•
ORIGINAL WE	LL ODI	NR Well Log Nur	nber		Сору	attached? Yes o	r No
MEASURED C	ONSTRUC	TION DETAILS		Date of mea	surements	6/09/2009	
	17'			01-45	- 10/-41	6'	
Depth of Well Size of Casing	2"			Stati Len	c vvater Level _	0.01	
Well Condition	Good	۸ .		LGII	5		
SEALING PRO	ACEDIIDE						
Method of Plac		TREMMIE	GROUT				
Wolfied of Flac	Omon:				Sealing Ma		Volume
Placement:	From						3 GALLONS
	From		To	A CONTRACTOR OF THE PARTY OF TH			
	From		10		·		
Was Casing Re	emoved?	Yes or No					
_		(circle one) Good					
Condition of Ca	•		т_				
Perforations:	From		To				
	110111		,10				
Date Sealing Po	erformed _	6/09/2009					
Reason(s) for S	Sealing _	No Longer	<u>Needed</u>				
CONTRACTOR							
Name	H.A.D.			ODH F	Registration # $_$		
Address		Benner Road an, Ohio 44270					
City/State/Zip	77	ATT, ONIO 44210					
Signature 🔀	Annie	Mall	; ;				
I here	eby certify the inf	ormation given is accura	ate and correct t	o the best of my knowle	edge.		

WELL LOG AND DRILLING REPORT

Well Log Number. Ohio Department of Natural Resources

2004121 DNR 7802.05e Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605 Page 1 of 1 for this record. Voice (614) 265-6740 Fax (614) 265-6767 CONSTRUCTION DETAILS WELL LOCATION Drilling Method: AUGER BOREHOLE/CASING (Measured from ground surface) ____ Township CLEVELAND County CUYAHOGA Borehole Diameter 8.25 inches Depth 18 Casing Diameter 2 in. Length 8 ft. Thickness 0.154 in. **FORMER** TELEDYNE METAL FINISHING Owner/Builder Borehole Diameter _____inches Depth _____ 1725 E ST 27TH Casing Diameter_____in. Length _____ft.Thickness ___ Address of Well Location Casing Height Above Ground ____ City CLEVELAND ___ Zip Code +4___ 44113 Permit No. ____ _ Section; _____ and or Lot No._ Use of Well MONITOR Joints (Coordinates of Well (Use only one of the below coordinate systems) State Plane Coordinates SCREEN Diameter 2 in, Slot Size 0.01 in. Screen Length 10 N 🗆 X _ Υ ____ Type MACHINE SLOTTED Material PVC s□ Latitude, Longitude Coordinates Set Between _____ ___ ft. and ___ GRAVEL PACK (Filter Pack) Latitude: 41.50742 Longitude: 81.6694 Vol/Wt. Used 400 LBS. Material/ SILICA SAND Elevation of Well in feet: Method of Installation Poured (gravity) Datum Plane: NAD27 X NAD83 Elevation Source Depth: Placed From: 18 Source of Coordinates: GPS ____ ft. To: ___ Well location written description: GROUT Vol/Wt. Material_Bentonite pellets/chunks _ Used _ 200 LBS. **INNERBELT STUDY SITE 34** Method of Installation Poured (gravity) Depth: Placed From: __ __ ft. To: __ DRILLING LOG* Comments on water quality/quantity and well construction: FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED. Color From То Texture Formation FILL MATERIAL 0 2 2 18 SAND

WELL TEST *	
Pre-Pumping Static Level 0 ft. Date	
Measured from	
Pumping test method	
Test Rate gpm Duration of Testhrs.	
Feet of Drawdown ft. Sustainable Yield gp	m
*(Attach a copy of the pumping test record, per section 1521.05, ORC)	
Is Copy Attached? \square Yes \square No Flowing Well? \square Yes \square N	
PUMP/PITLESS	_
Type of pump Capacitygpr	n

Type of pump	Capac	citygpm]	
Pump set atft	Pitless Type			
Pump installed by				 ļ
I hereby certify the information	ation given is accurate and correc	t to the best of my knowledge.		 ļ
Drilling Firm H.A.D. INC.				 ļ
Address 9797 RD BENN	NER			
City, State, Zip RITTMAN	N OH 44270			
Signed S	USAN BROMLEY	Date 7/27/2006		
	(Filed Electronically)		Aquifer Type (Formation producing the most water.) SAND	

ODH Registration Number

Date of Well Completion 7/25/2006 Total Depth of Well_

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

Division of Water

2045 Morse Rd., Bldg B Columbus, OH 43229-6693 Voice: (614) 265-6740 Fax: (614) 265-6767

0179996

LOCATION						SITE #34 MW03
County C	CUYAHOGA	Τοι	wnshipC	IFVFLAND Sect	e One or Both ion/Lot Number	
Circle One or Both					FINISHING	
Address of We	II Location _	1725 Number			EAST 27TH STREE	T
CityC	LEVELAND			7:- 0 - 4 -	44113	
Property Locati		miles		— Zip Code of	nearest intersection	
Description				side of		лі
Location of Well in either:	State Plane	s X L	NE □In Dec	imal Degrees Degrees		ft. or m
Elevation of We	ell	+/-	_{ft. or m} Dat	um Plain: 🗌 NAD27	□ NAD83	÷.
Source of Coor	rdinates: 🗆 🤆	RPS □ Surv	rey □ Othe	ər		ele one)
ORIGINAL WE	LL ODNI	R Well Log Num	ber	2004123	Copy attached? Yes	•
MEASURED C	ONSTRUCTI	ON DETAILS		Date of measuremen	nts6/09/2009	
Depth of Well Size of Casing Well Condition	Good			Static Water Length of ca	asing <u>8.0'</u>	·
SEALING PRO		TREMMIE (GROUT			
Method of Place		·			lling Material	Volume
Placement:	From	Ti	0		ROUT DF	4 GALLONS
Was Casing Re	moved?	Yes or No (circle one)				
Condition of Ca	sing	Good				
Perforations:	From		To To	A 10 May 1		
Date Sealing Pe Reason(s) for S		6/09/2009 No Longer No	eeded			
CONTRACTOR Name	H.A.D., I 9797 Be	nc. nner Road Ohio 44270		ODH Registrat	ion #	
City/State/Zip Signature		21/16	e and correct to th	e best of my knowledge.	-	

WELL LOG AND DRILLING REPORT
Ohio Department of Natural Resources Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605 Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number 2004123

Page 1 of 1 for this record. CONSTRUCTION DETAILS **WELL LOCATION** Drilling Method: _AUGER BOREHOLE/CASING (Measured from ground surface) County CUYAHOGA ____ Township CLEVELAND Borehole Diameter 8.25 inches 18 Depth ___ 2 in. Length 8 ft.Thickness 0.154 in. Casing Diameter____ TELEDYNE METAL FINISHING **FORMER** Owner/Builder ____inches Depth ___ Borehole Diameter ____ Casing Diameter_____in. Length _____ ft.Thickness ___ 1725 E ST 27TH Address of Well Location Casing Height Above Ground ___ ∫1: <u>PVC</u> City CLEVELAND __ Zip Code +4____ 44113 Section; _____ and or Lot No._ 2: _ Permit No. 1: Threaded Use of Well MONITOR Joints Coordinates of Well (Use only one of the below coordinate systems) State Plane Coordinates SCREEN Diameter___2 in, Slot Size ___ in. Screen Length__ N 🗌 X __ MACHINE SLOTTED PVC s \square Type_____ Material Latitude, Longitude Coordinates Set Between ft. and ___ _Longitude:_81.66923 GRAVEL PACK (Filter Pack) Latitude: 41.50712 Vol/Wt. Used 400 LBS. Material/ SILICA SAND Elevation of Well in feet: _ +/- ft. Method of Installation Poured (gravity) Datum Plane: NAD27 X NAD83 Elevation Source Depth: Placed From: _ ft. To: _ Source of Coordinates: GPS Well location written description: GROUT Vol/Wt. Used 200 LBS. Material_Bentonite pellets/chunks INNERBELT STUDY SITE 34 Method of Installation Poured (gravity) 7 _____ ft. To: ___ Depth: Placed From: ___ DRILLING LOG* Comments on water quality/quantity and well construction: FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED. From Color Texture Formation **FILL MATERIAL** 0 2 SAND 2 18 WELL TEST * Pre-Pumping Static Level ____ Date Measured from ____ Pumping test method ____ Test Rate _ Duration of Test ___ _____ gpm Feet of Drawdown _____ ft. Sustainable Yield *(Attach a copy of the pumping test record, per section 1521.05, ORC) Flowing Well? Yes X No X No PUMP/PITLESS Type of pump____ Pump set at _____ft. Pitless Type_ Pump installed by____ I hereby certify the information given is accurate and correct to the best of my knowledge. Drilling Firm H.A.D. INC. Address 9797 RD BENNER City, State, Zip RITTMAN OH 44270 Signed SUSAN BROMLEY (Filed Electronically) Aquifer Type (Formation producing the most water.) SAND Date of Well Completion 7/25/2006 Total Depth of Well ODH Registration Number _

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0180049

Division of Water 2045 Morse Rd., Bldg B

Columbus, OH 43229-6693 Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION							SITE #42 MV	V01
					Circle One or E	Both		
County	CUYAHOG	4 To	wnship	CLEVELAND	_ Section/Lot N	lumber		
			CB RE	ALTY			A-0049-400-10-10-10-10-10-10-10-10-10-10-10-10-1	
Circle One or Both		207	75		SLIDE	ERIOR AVENI	iE	
							JE	
City	CLEVELAN	D		Zin C	nde	44113	n	
Droporty Locati	ion	miles		of		nooroot interceptio	n	
Description								
•	on the	n, e	, S, W	side of		road name		
Location of	(State Plan	N L X		+/-	v		. +/-	£4
Well in either:	OR	Check	ONE In D	Decimal Degrees	—— ft. or m ∟ Degrees Minutes [_	Degrees Min. Sec.	+/1	r. or m
	Latitude/Lo	ongitude (Latitu	de	41.51123	Longi	itude	81.67082	}
Elevation of We				atum Plain: 🗆 N				
				ther				
			-			(circl	e one)	
ORIGINAL WE	LL ODN	IR Well Log Nur	nber	2004141	Copy	attached? (Yes	òr No	
NE A OLIDED O		ION DETAIL O		Data of magazi		6/10/2009		
MEASURED C								
Depth of Well	17'			Statio	Water Level _	4'		
Size of Casing	2"			Leng	$_{ m l}$ th of casing $_{ m L}$	<u>7'</u>		
Well Condition	G000	3						
SEALING PRO	CEDURE							- 13 - 17 - 17 - 17 - 17 - 17 - 17 - 17
SEALING PRO Method of Place	ement	Tremmie	Grout		0 1: 1: 1 - 1		Valuma	
			- 41		_		Volume	
Placement:							3 Gallons	
	1 10111		10					
Was Casing Re	moved?	Yes or No						
		(circle one) Good						
Condition of Ca	•		Т-					
Perforations:	From		To					
	110111		10					
Date Sealing Pe	erformed	6/10/2009			and the second s			
Reason(s) for S	Sealing	No Longer	Needed					
	_							
CONTRACTOR	}							<u></u>
Name	H.A.D.			ODH R	egistration#_			
Address		Benner Road						n
City/State/Zip	Rittma	n, Ohio 44270					· · · · · · · · · · · · · · · · · · ·	
¬· · · >	The I	-111.11h						
Signature /	eby certify the info	rmation given is accura	ate and correct t	o the best of my knowle	dge.			

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605

DNR 7802.05e

Well Log Number 2004141

Page 1 of 1 for this record. Voice (614) 265-6740 Fax (614) 265-6767 CONSTRUCTION DETAILS WELL LOCATION Drilling Method: AUGER BOREHOLE/CASING (Measured from ground surface) County CUYAHOGA Township CLEVELAND Borehole Diameter 8.25 inches 17 2 in. Length ____7 __ ft.Thickness __0.154_in. Casing Diameter____ CB REALTY Owner/Builder ∫Borehole Diameter _____ ____inches Depth ____ 2975 SUPERIOR AVE Casing Diameter____in. Length ____ ___ ft.Thickness _ Address of Well Location Casing Height Above Ground ___ (1: PVC City CLEVELAND _ Zip Code +4___ 44113 2. Permit No. Section; _____ and or Lot No._ 1: Threaded Use of Well MONITOR Joints Coordinates of Well (Use only one of the below coordinate systems) State Plane Coordinates SCREEN 2___in, Slot Size___ 0.01 in. Screen Length____ Diameter_ N \square MACHINE SLOTTED Material ___ s \square Set Between ___ Latitude, Longitude Coordinates ft. and ___ _Longitude:_81.67082 Latitude: 41.51123 GRAVEL PACK (Filter Pack) Vol/Wt. Used 400 LBS. Material/ Size SILICA SAND +/- _____ ft. Elevation of Well in feet: _ Method of Installation Poured (gravity) Datum Plane: NAD27 X NAD83 Elevation Source Depth: Placed From: ____ 17 ___ ft. To: __ Source of Coordinates: GPS Well location written description: GROUT Vol/Wt. Used _200 LBS. Material Bentonite pellets/chunks **INNERBELT STUDY SITE 42** Method of Installation Poured (gravity) _ ft. To: __ Depth: Placed From: _ **DRILLING LOG*** Comments on water quality/quantity and well construction: FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED. From То Color Formation Texture SAND 17 **WELL TEST *** Date _ Pre-Pumping Static Level ____ Measured from ___ Pumping test method ____ Duration of Test ____ _____ gpm Test Rate Feet of Drawdown _____ ft. Sustainable Yield _ *(Attach a copy of the pumping test record, per section 1521.05, ORC) Flowing Well? Yes Is Copy Attached?

Yes X No X No **PUMP/PITLESS** Type of pump____ Capacity . apm Pump set at _ ____ft. Pitless Type_ Pump installed by_ I hereby certify the information given is accurate and correct to the best of my knowledge. Drilling Firm H.A.D. INC. Address 9797 BENNER RD City, State, Zip RITTMAN OH 44270 Signed SUSAN BROMLEY Date 7/28/2006 Aquifer Type (Formation producing the most water.) SAND (Filed Electronically) Date of Well Completion 7/27/2006 Total Depth of Well_ ODH Registration Number _

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0187050

Division of Water 2045 Morse Rd., Bldg B Columbus, OH 43229-6693 Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION					SITE #42 MW02
CountyCl	UYAHOGA_	Township	CLEVELAND	Circle One or Both Section/Lot Number	· · · · · · · · · · · · · · · · · · ·
Circle One or Both		OB			
Address of Wel	I Location —	2975 Number		SUPERIOR / Street No	AVENUE ame
City CI	EVELAND	·	Zin		
Property Location	on	miles _{n, e,}			intersection
Location of Well in either:	State Plane	S Chock ONE	In Decimal Degrees	roaft.or m Y	ad name
Elevation of We				NAD27 NAD83	
Source of Coore	dinates: 🗆 G	GPS □ Survey □	☐ Other		(circle one)
ORIGINAL WEI	LL ODNI	R Well Log Number _	2004371	Copy attache	ed? Yes or No
MEASURED CO				asurements6/1	
Depth of Well Size of Casing Well Condition	<u> </u>				
SEALING PRO	CEDURE ement	Tremmie Grout		,	
Placement:	From	17' To To		Sealing Material Grout DF	3 Gallons
Was Casing Rer	moved?	Yes or No (circle one)			•
		Good To _ To _			
Date Sealing Pe Reason(s) for Se	erformed ealing	6/10/2009 No Longer Neede	d		
CONTRACTOR Name Address		Inc. enner Road , Ohio 44270	ODH	Registration #	
City/State/Zip Signature		nation given is accurate and co	rrect to the best of my knov	Vledge	•

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605 Voice (614) 265-6740 Fax (614) 265-6767 Well Log Number 2004371

Page 1 of 1 for this record.

CONSTRUCTION DETAILS WELL LOCATION Drilling Method: AUGER BOREHOLE/CASING (Measured from ground surface) County CUYAHOGA Township CLEVELAND 17 Borehole Diameter ____ Depth _ 2 in. Length ____7 __ft, Thickness __0.154_in. Casing Diameter___ CB REALTY Owner/Builder ∫Borehole Diameter ____ __inches Depth ___ 2975 SUPERIOR AVE Casing Diameter____in. Length ____ ____ ft.Thickness ___ Address of Well Location Casing Height Above Ground ___ Type {1: PVC City CLEVELAND _ Zip Code +4_ Permit No. Section; _____ and or Lot No._ 1: Threaded Use of Well MONITOR Joints 9 Coordinates of Well (Use only one of the below coordinate systems) State Plane Coordinates SCREEN 2___in. Slot Size__ ___ in. Screen Length___ Diameter_ MACHINE SLOTTED Material __ Set Between __ Latitude, Longitude Coordinates Longitude: 81.67112 Latitude: 41.5104 GRAVEL PACK (Filter Pack) Vol/Wt. __Used__350 LBS. Material/ Size SILICA SAND Elevation of Well in feet: _ Method of Installation Poured (gravity) Datum Plane: NAD27 X NAD83 Elevation Source Depth: Placed From: _____ Source of Coordinates: GPS ___ ft. To: _ Well location written description: GROUT Vol/Wt. Used 100 LBS. Material Bentonite pellets/chunks INNERBELT STUDY SITE 42 Method of Installation Poured (gravity) Depth: Placed From: 6 ____ ft. To: __ DRILLING LOG* Comments on water quality/quantity and well construction: FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED. Color From Texture Formation To **FILL MATERIAL** 0 17 SAND **WELL TEST *** Pre-Pumping Static Level _____ ft. Date Measured from _ Pumping test method ___ Test Rate ___ Duration of Test _ Feet of Drawdown _____ ft. Sustainable Yield _ __ gpn *(Attach a copy of the pumping test record, per section 1521.05, ORC) Flowing Well? Yes Is Copy Attached?

Yes X No X No **PUMP/PITLESS** .gpm Type of pump___ Capacity Pump set at _____ft. Pitless Type_ I hereby certify the information given is accurate and correct to the best of my knowledge. Drilling Firm H.A.D. INC. Address 9797 BENNER RD City, State, Zip RITTMAN OH 44270 Signed SUSAN BROMLEY Date 8/9/2006 (Filed Electronically) Aquifer Type (Formation producing the most water.) SAND Date of Well Completion ____ 7/28/2006 Total Depth of Well_ ODH Registration Number

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0179986

Division of Water 2045 Morse Rd., Bldg B Columbus, OH 43229-6693

Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION							SITE #42 MY	W03
		•			Circle One or	Both		
County	CUYAHOG	iA	Township	CLEVELAND	Section/Lot	Number		
Owner/Builde Circle One or Bo			CB REA	LTY			•	
		29	75		SUPE	RIOR AVEN	UE	
		(VUIII	JC1			Street Name		
City —	CLEVELAN	ID		Zip C	ode ——	44113	tion	· · ·
Property Loca	ation	miles	n, e, s, w	ot		nearest intersec	tion	
Description	on t	hen,	e s w	side of		road name		
Location of	(State Pla	N □ '''			v		+/-	
Well in either	: OR	Che	ck ONE □In De	ecimal Degrees	Degrees Minutes	Degrees Min. Se	ec. +/-	ft. or m
	Latitude/	Longitude (Lati	ude	41.51037	Long	gitude	81.671587	}
Elevation of V		+/-						
Source of Coo	ordinates: [∃GPS □ S	urvey ⊠ Otł	her_Map_		. 1. 2000-200		
				}		attached? Ye	rcle one)	
ONIGINAL W	ELL OL	NR Well Log Nu	imbei					
MEASURED (CONSTRUC	TION DETAILS		Date of mea	surements	6/10/2009)	
Depth of Well	15'			Stati	c Water Level	5'		
Size of Casing	2"			Len	gth of casing	5'		
Well Condition	Goo	od						
SEALING PRO	OCEDURE	Tremmie	Grout	POPULATION CONTRACTOR				
Method of Plac	cement	Tremmie	Orout		Sealing Ma	ıterial	Volume	
Diagoment	From	15'	то 1'		-		2.5 Gallons	
Placement:							2.5 Gallotis	
		an america						
Was Casing R	emoved?	Yes or N						
Condition of C	acina	Good						
Perforations:	_		To					
r oriorations.	From		To					
D - 4 - 0 11 F)f	6/10/2009						
Date Sealing F Reason(s) for		No Longer	Needed					
11000011(0) 101								
CONTRACTO	R			·				
Name	H.A.D	., Inc.		ODH F	Registration #			
Address		Benner Road						
City/State/Zip	Rittma	an, Ohio 44270						
·		-11/1	7					
Signature	reby certify the in	nformation given is accu	rate and correct to	the best of my knowle	edge.			
, , , , , , , , , , , , , , , , , , ,	, ,,	J		•	-			

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0186201

Division of Water 2045 Morse Rd., Bldg B Columbus, OH 43229-6693 Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION						·S	SITE #43 MW01
	er			CLEVELAND UILDING	Circle One or Both Section/Lot Number	er	
Address of W	lell Location	2	635		PAYNE A	/ENUE	
City —	CLEVELA	ND		Zin Co	de 4411	13	
Property Loca Description					neares		
Location of Well in either	State Pla	ane s□ X [+/	egrees Minutes Degree Longitude	Mis Oss	+/ ft. or n
Elevation of V					AD27 🗆 NAD83		
Source of Cod	ordinates: [∃GPS □ S	urvey 🗆 C	Other			
ORIGINAL W	ELL OF	NR Well Log N	umber	2004143	Copy attach	(circle one) ed? Yes or No	
		TION DETAILS			urements6	/10/2009	
Depth of Well Size of Casing Well Condition	2"	od		Lengt	Water Level8 h of casing		
						·	
SEALING PROMETHOUSE PROMETERS IN PROMETERS SEE IN SECTION SECT	OCEDURE cement	TREMM	IE GROUT				
Placement:	From	20'	To1 To	1	Sealing Material GROUT DF		15 GALLONS
Was Casing R	emoved?	Yes or N					
Condition of Co Perforations:	From	Good					
Date Sealing F Reason(s) for S		6/10/2009 No Longe	Needed				
CONTRACTOR Name Address	H.A.D 9797	., Inc. Benner Road an, Ohio 4427(ODH Re	gistration #		
City/State/Zip Signature	-11/2	(m) 1/11	M.	to the best of my knowledg	e.		

Well Log Number 2004143

DNR 7802.05e

WELL LOG AND DRILLING REPORT
Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS
	Drilling Method: AUGER
County CUYAHOGA Township CLEVELAND	BOREHOLE/CASING (Measured from ground surface)
	Borehole Diameter 8.25 inches Depth 20
KNC BUILDING	Casing Diameter 2 in. Length 10 ft.Thickness 0.154
Owner/Builder	2 Borehole Diameterinches Depth Casing Diameterin. Lengthft.Thickness
2635 PAYNE AVE	Casing Diameterin. Lengthft.Thickness
Address of Well Location	Casing Height Above Ground
City CLEVELAND Zip Code +4 44113	Type { 1: <u>PVC</u>
Permit No Section; and or Lot No	(2:
Use of Well MONITOR	loints { 1: Threaded
Coordinates of Well (Use only one of the below coordinate systems) State Plane Coordinates	Joints { 1: Threaded 2: SCREEN
N	Diameter 2 in. Slot Size 0.01 in. Screen Length 10
S	Type MACHINE SLOTTED Material PVC
Latitude, Longitude Coordinates	Set Between 20 ft. and 10
Latitude: 41.50763 Longitude: 81.67606	
Elevation of Well in feet: ft.	GRAVEL PACK (Filter Pack) Vol/Wt. Waterial/ Size SILICA SAND Used 400 LBS.
Datum Plane: NAD27 X NAD83 Elevation Source	Method of Installation Poured (gravity)
Source of Coordinates: GPS	Depth: Placed From: 20 ft. To: 8
Well location written description:	GROUT Vol/Wt
INNERBELT STUDY STIE 43	Material Bentonite pellets/chunks Vol/Wt. Used 250 LBS.
	Method of Installation Poured (gravity)
	Depth: Placed From:8ft. To:1
•	DRILLING LOG*
Comments on water quality/quantity and well construction:	FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERE
Comments on water quanty/quantity and won constitution.	
	SAND 1 2
WELL TEST *	-
_	
Measured from	
Pumping test method	
Test Rate gpm Duration of Test hrs. Feet of Drawdown ft. Sustainable Yield gpn	
Feet of Drawdown ft. Sustainable Yield gpn *(Attach a copy of the pumping test record, per section 1521.05, ORC)	<u> </u>
Is Copy Attached? Tyes X No Flowing Well? Yes X No	
15 Copy Attached: 1 165 M 160 Floring Flori. 1 166 M 160	
PUMP/PITLESS]
Type of pumpgpm	
Pump set atft. Pitless Type	
Pump installed by	
I hereby certify the information given is accurate and correct to the best of my knowledge.	1
Drilling Firm H.A.D. INC.	
Address 9797 BENNER RD	
City, State, Zip RITTMAN OH 44270	
Signed SUSAN BROMLEY Date 7/28/2006	
(Filed Electronically)	Aquifer Type (Formation producing the most water.) SAND
ODH Registration Number	Date of Well Completion 7/27/2006 Total Depth of Well 20
ODIT NOGISTATION TAUTIDES	

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0186202

Division of Water 2045 Morse Rd., Bldg B Columbus, OH 43229-6693

Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION					SITE #43 MW02
CountyC		Town	ship <u>CLEVELAND</u> IC BUILDING	Circle One or Both Section/Lot Number_	
Address of We		2635		PAYNE AVEN	
		Number		Street Nar 44113	ne
CityC		miles	Zip	Code ————	
Property Locat Description				nearest ir	
Location of Well in either:	State Plane	s X L	+/	ft. or m	I name
Elevation of We	ell	+/ ft.	or m Datum Plain: □	NAD27 NAD83	
Source of Coor	rdinates: 🗆 (GPS □ Survey			(circle one)
ORIGINAL WE	LL ODNI	R Well Log Numbe	r2004124	Copy attached	
MEASURED C	ONSTRUCTI	ON DETAILS	Date of me	asurements 6/10	/2009
Depth of Well Size of Casing Well Condition	<u> </u>				
SEALING PRO		TREMMIE GF	ROUT		
Method of Place				Sealing Material	Volume
Placement:	From	To _		GRÖUT DF	
Was Casing Re	moved?	Yes or No			
Condition of Ca	1	Good			
Perforations:	From				
	From	To			
Date Sealing Pe	erformed	6/10/2009			
Reason(s) for S		No Longer Nee	eded		
CONTRACTOR	}				
Vame	H.A.D.,	Inc. enner Road	ODH	Registration #	
Address		n, Ohio 44270	500 000 TO		
City/State/Zip Signature		11/1/10			· · · · · · · · · · · · · · · · · · ·
l here	ebý certify the inforr	nation given is accurate an	d correct to the best of my know	vledge.	

WELL LOG AND DRILLING REPORT
Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number, 2004124 Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS	_
	Drilling Method: AUGER	
County CUYAHOGA Township CLEVELAND	BOREHOLE/CASING (Measured from ground surface)	
	Borehole Diameter 8.25 inches Depth 18	_ ft
KNC BUILDING	Casing Diameter 2 in Length 8 ff. Thickness 0.154	
Owner/Builder	Borehole Diameterinches Depth	
2635 PAYNE AVE	Casing Diameterin. Lengthft.Thickness	in
Address of Well Location	Casing Height Above Ground	
City CLEVELAND Zip Code +4 44113	ſ₁· PVC	
Permit No Section; and or Lot No	Type { 2:	
Use of Well MONITOR	1: Threaded	
Coordinates of Well (Use only one of the below coordinate systems)	Joints { 2:	
State Plane Coordinates	SCREEN	
N □ X +/ ft.	Diameter 2 in. Slot Size 0.01 in. Screen Length 10	ft
S Y +/ft.	Type MACHINE SLOTTED Material PVC	
Latitude, Longitude Coordinates	Set Between18	ft
Latitude: 41.50768 Longitude: 81.67004	GRAVEL PACK (Filter Pack)	
Elevation of Well in feet: ft.	GRAVEL PACK (Filter Pack) Material/ Size SILICA SAND Used 400 LBS.	
Datum Plane: NAD27 X NAD83 Elevation Source	Method of Installation Poured (gravity)	
Source of Coordinates: GPS	Depth: Placed From: 18 ft. To: 6	_ f
Well location written description:	GROUT Vol/Wt.	
INNERBELT STUDY SITE 43	Material Bentonite pellets/chunks Vol/Wt. Used 200 LBS.	
	Method of Installation Poured (gravity)	
	Depth: Placed From:6 ft. To:1	ft.
·	DDII I INC I OCT	
Comments on water quality/quantity and well construction:	DRILLING LOG*	_
Comments on water quanty/quantity and well constitution.	FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED	
	Color Texture Formation From To FILL MATERIAL 0	2
	SAND 2 1	8
WELL TEST *		
Pre-Pumping Static Level0 ft. Date		
Measured from		
Pumping test method		
Test Rate gpm Duration of Test hrs. Feet of Drawdown ft. Sustainable Yield gpm		
*(Attach a copy of the pumping test record, per section 1521.05, ORC) s Copy Attached? ☐ Yes ☒ No Flowing Well? ☐ Yes ☒ No		
s Copy Attached? Tes And Howling Well: Tes And		
PUMP/PITLESS		
Conseity com		
Type of pumpgpm		
Pump set atft. Pitless Type		
Pump installed by I hereby certify the information given is accurate and correct to the best of my knowledge.		
Drilling Firm H,A.D. INC.		
Address 9797 BENNER RD		
City, State, Zip RITTMAN OH 44270		
Signed SUSAN BROMLEY Date 7/27/2006		
	Aquifer Type (Formation producing the most water.) SAND	
DDH Registration Number	Date of Well Completion 7/25/2006 Total Depth of Well 18 1	ft.
DELLICOGISTIATION NUMBER	Total Dopar of Trong	

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0186203

Division of Water 2045 Morse Rd., Bldg B Columbus, OH 43229-6693

Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION			,		SITE #43 MW03
				Circle One or Both	
CountyCUYAL Owner/Builder Circle One or Both	IOGA	TownshipC KNC BUILI	LEVELAND S DING	section/Lot Number	
	ion26	35		PAYNE AVENUE	
	Num	per		Street Name	
City CLEVE	LAND		Zip Code	44113	otion
Description				nearest intersed	
Well in either:	Plane s X			ees Minutes Degrees Min. S	ec. ft. or n
Elevation of Well	+/-	ft. or m Dati	um Plain: 🗆 NAD:	27 🗆 NAD83	
Source of Coordinates	:□GPS □ S	urvey 🗆 Othe	r		
ORIGINAL WELL	ODNR Well Log N	umber	2004142	Copy attached? Ye	circle one) es or No
MEASURED CONSTR				ments 6/10/200	09
Depth of Well Size of Casing Well Condition	18.5' 2" Good			ater Level 5' of casing 8.5'	
SEALING PROCEDUR	RE TOEMM	IE GROUT			
Method of Placement	IINLIVIIVI	IL GROUT		Sealing Material	Volume
From ₋		10		GROUT DF	5 GALLONS
Was Casing Removed	? Yes or N				
	Good			·	
Date Sealing Performed Reason(s) for Sealing	d 6/10/2009 No Longe	r Needed			
CONTRACTOR Name H.	A.D., Inc.		ODH Pagis	stration #	en enemente en el principa que principa del constante en en en en en el del constante del del constante en en
Address 97	'97 Benner Road			σιταιΙΟΠ <i>π</i>	
City/State/Zip Ri	ittman, Ohio 4427	0			
Signature Thereby certify t	he information given is acci	urate and correct to the	e best of my knowledge		

WELL LOG AND DRILLING REPORT
Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number, 2004142 Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS	
	Drilling Method: AUGER	
County CUYAHOGA Township CLEVELAND	BOREHOLE/CASING (Measured from ground surface)	
,	Borehole Diameter 8.25 inches Depth 18	<u> </u>
KNC BUILDING	Casing Diameter 2 in. Length 8 ft.Thickness	
Owner/Builder	2 Borehole Diameterinches Depth	
2635 PAYNE AVE	Casing Diameterin. Lengthft.Thickness	in
Address of Well Location	Casing Height Above Ground	ft
City CLEVELAND Zip Code +4 44113	Type { 1: <u>PVC</u>	
Permit No Section; and or Lot No		
Use of Well MONITOR	toints 1: Threaded	
Coordinates of Well (Use only one of the below coordinate systems)	Joints { 2:	
State Plane Coordinates	SCREEN	
N	Diameter 2 in. Slot Size 0.01 in. Screen Length	
S □ Y ft.	Type MACHINE SLOTTED Material PVC	
Latitude, Longitude Coordinates		ft
Latitude: 41.50788 Longitude: 81.67031	GRAVEL PACK (Filter Pack) Material/ Size SILICA SAND Vol/Wt. Used 400 LBS.	
Elevation of Well in feet: ft.	Material/ Size SILICA SAND Used 400 LBS.	
Datum Plane: NAD27 X NAD83 Elevation Source	Method of Installation Poured (gravity)	
Source of Coordinates: GPS	Depth: Placed From: 18 ft. To: 6	f
Well location written description:	GROUT Vol/Wt.	
INNERBELT STUDY SITE 43	Material Bentonite pellets/chunks Vol/Wt. Used 200 LBS.	
	Method of Installation Poured (gravity)	
	Depth: Placed From: 6 ft. To: 2	ft
·	DRILLING LOG*	
Comments on water quality/quantity and well construction:		NITEDED
Commonto on water quality, quality and non-concurrent	FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUR Color Texture Formation From	T
	BROWN SAND 1	18
WELL TEST *		
Pre-Pumping Static Level0 ft. Date		
Measured from		
Pumping test method		
Test Rateppm Duration of Testhrs.		
*(Attach a copy of the pumping test record, per section 1521.05, ORC)		
s Copy Attached? Yes No Flowing Well? Yes No		
PUMP/PITLESS		
Type of pump Capacitygpm		
Pump set atft. Pitless Type		
Pump installed by I hereby certify the information given is accurate and correct to the best of my knowledge.		
]]
Orilling Firm H.A.D. INC. Address 9797 BENNER RD		
City, State, ZipRITTMAN OH 44270 Signed Date7/28/2006		1
Signed Date	Aquifer Type (Formation producing the most water.) SAND	1
		18 ft.
DDH Registration Number	Date of Fron Completion Total Depth of Well	····

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0180035

Division of Water 2045 Morse Rd., Bldg B Columbus, OH 43229-6693 Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION						SITE #45 MW01
					Circle One or Both	
County	CUYAHOG	A Towns	shipCLE\	VELAND	Section/Lot Number	
Owner/Builde Circle One or Bot		N	MOSS TRUS	ilee		
		1748 Number			EAST 27TH S	TREET
City	CLEVELAN	<u>ID</u>		Zip Code	44113	section
Property Loca	ıtion —	miles r	n, e, s, w	Of	nearest inters	section
Description	on t	he	S	side of		
		n, e, s, w	<i>l</i>		road na	me
Location of Well in either:		ane s 🗆 X		Dograda - Dog	ft. or m	. Sec. ft. or n
wen in enner.	OR Latitude	Check ONE	\equiv \Box in Decimal 4	1 50607	Longitude	81.66969
Elevation of W	Vell	+/ ft.	or m Datum	Plain: 🗆 NAD	D27 □ NAD83	
Source of Coo	ordinates: [□GPS □ Survey	□ Other			
						(circle one)
ORIGINAL WI	ELL OF	NR Well Log Number	r20	004072	_ Copy attached?	Yes or No
MEASURED (ONSTRUC	TION DETAILS	D	ate of measure		009
WLASSILD						
Depth of Well	23'			Static W	l ater Level $\frac{5'}{13!}$	A A A A A A A A A A A A A A A A A A A
Well Condition						
SEALING PRO		Tremmie Grou	ıt			
Method of Place	cement				Sealing Material	Volume
Placement:	From	23' To _	1'	Gr	out DF	6 Gallons
	From	To _				
	From	To _				
Was Casing R	emoved?	Yes or No (circle one)			•	•
Condition of Ca		Good				
Perforations:	From	To				
	1 10111					
Date Sealing F						
Reason(s) for S	Sealing _	No Longer Nee	ded			
		· ·				•
CONTRACTO						
Name	H.A.D)., Inc.		ODH Regi	stration #	
Address City/State/Zip		Benner Road an, Ohio 44270				
Oity/Glate/Zip	- ingan	1411				
Signature _	Mule:		d	at of multiprovided	· .	
∠t.hei	reby certify the ir	nformation given is accurate an	a correct to the bes	st of thy knowledge.		

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number
2004072

Page 1 of 1 for this record.

DNR 7802.05e

CONSTRUCTION DETAILS **WELL LOCATION** Drilling Method: AUGER BOREHOLE/CASING (Measured from ground surface) County CUYAHOGA __ Township CLEVELAND Borehole Diameter 8.25 inches Depth Casing Diameter____ 2 in. Length 13 ___ ft.Thickness __0.154_in. MOSS, TRUSTEE **HAROLD** Owner/Builder ∫Borehole Diameter _____ ____inches Depth ___ 1748 E ST 27TH __ ft.Thickness _ Casing Diameter____in. Length ___ Address of Well Location Casing Height Above Ground ___ City CLEVELAND __ Zip Code +4___ Permit No. Section; and or Lot No. Use of Well MONITOR Joints ' Coordinates of Well (Use only one of the below coordinate systems) State Plane Coordinates SCREEN 2 in. Slot Size 0.01 __ in. Screen Length__ N \square X __ Diameter_ MACHINE SLOTTED PVC s 🗆 Υ ___ Type____ Material Latitude, Longitude Coordinates 23 Set Between ___ _ ft. and _ Longitude: 81.66969 Latitude: 41.50607 GRAVEL PACK (Filter Pack) Vol/Wt. _ Used _400 LBS. Material/ SILICA SAND Elevation of Well in feet: Method of Installation Poured (gravity) Datum Plane: NAD27 X NAD83 Elevation Source Source of Coordinates: GPS Depth: Placed From: __ ft. To: __ GROUT Well location written description: Material Bentonite pellets/chunks Used 300 LBS **INNERBELT STUDY SITE 45** Method of Installation Poured (gravity) Depth: Placed From: _ __ ft. To: _ DRILLING LOG* Comments on water quality/quantity and well construction: FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED. Color Texture Formation From То 15 SAND 0 SILTY SAND 15 23 **WELL TEST *** Pre-Pumping Static Level ____ Date Measured from _ Pumping test method ____ Test Rate ___ gpm Duration of Test Feet of Drawdown _____ ft. Sustainable Yield *(Attach a copy of the pumping test record, per section 1521.05, ORC) Flowing Well?

Yes X No Is Copy Attached?

Yes X No **PUMP/PITLESS** Type of pump___ Capacity . Pump set at _____ft. Pitless Type_ Pump installed by I hereby certify the information given is accurate and correct to the best of my knowledge. Drilling Firm H.A.D. INC. Address 9797 RD BENNER City, State, Zip RITTMAN OH 44270 SUSAN BROMLEY ____ Date 7/25/2006 Signed ____ (Filed Electronically) Aquifer Type (Formation producing the most water.) SAND Date of Well Completion 7/21/2006 Total Depth of Well_ ODH Registration Number

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0181036

Division of Water 2045 Morse Rd., Bldg B Columbus, OH 43229-6693 Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION				w ⁻² 4-	SIIE #45 MW02
				Circle One or Both	
CountyCt/*/ Owner/Builder		Township(CLEVELAND RUSTEE	Section/Lot Number	
Circle One or Both		101000	E. S. South Stand, S. Brown State		
Address of Well Loc	ation	1748 umber		EAST 27TH STF Street Name	REET
City CLEVE	140	mber	Zin Cod	le 44113	
	miles		of	nearest intersec	tion
Property Location Description				road name	
_	N 🗆	n, e, s, w	1 1 1 1 1	road name	
Location of Sta Well in either:	te Plane s 🗌 🥇	heck ONE In D	ecimal Degrees De	grees Minutes Degrees Min. So	ec.
(Lat	itude/Longitude (L	atitude	41.50664	Longitude	81.6/001
Elevation of Well	+/-	ft. or m D	atum Plain: 🗆 NA	D27 □ NAD83	•
Source of Coordinat	es: □ GPS □	Survey □ Ot	her		
ORIGINAL WELL	ODNR Well Log	Number	2004071	Copy attached? Ye	ircle one) es or No
MEASURED CONS	TRUCTION DETAIL	_S	Date of measu	rements6/09/2009)
Depth of Well	17'		Static \	Nator Loval 5'	
Size of Casing	2"		Length	Water Level 5' of casing 7'	
Well Condition	$C \circ \circ d$				
SEALING PROCED	URE	:- Ot			
Method of Placemen	tt	ie Grout		Sealing Material	Volume
Placement: Fron	า17'	To 1'	G	rout DF	
	1				
Was Casing Remove	ed? Yes or	No			
Ŭ	(circle o	ne)			
Condition of Casing	Good	T -			
Perforations: Fron Fron]				
1 1011					
Date Sealing Perforn	ned6/09/200	9			
Reason(s) for Sealing	g No Long	er Needed			
CONTRACTOR					
Name F	I.A.D., Inc.		ODH Reg	gistration #	
	9797 Benner Road				
City/State/Zip	Rittman, Ohio 442	/U			
Signature		2			
Lhéreby cért	fy the information given is a	accurate and correct to	the best of my knowledge	e.	

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605 Well Log Number 2004071

Page 1 of 1 for this record. Voice (614) 265-6740 Fax (614) 265-6767 **WELL LOCATION** CONSTRUCTION DETAILS Drilling Method: _AUGER ___ Township CLEVELAND BOREHOLE/CASING (Measured from ground surface) County <u>CUYAH</u>OGA Borehole Diameter 8.25 inches 18 Depth _ 2 in. Length 8 __ ft.Thickness __0.154_in. HAROLD MOSS, TRUSTEE Casing Diameter___ Owner/Builder inches Borehole Diameter _____ Depth ____ 1748 E ST 27TH Casing Diameter____ ___in. Length ____ __ ft.Thickness __ Address of Well Location Casing Height Above Ground ___ City CLEVELAND __ Zip Code +4___, 44113 Permit No. Section; and or Lot No. Use of Well MONITOR 1: Threaded Joints 4 Coordinates of Well (Use only one of the below coordinate systems) State Plane Coordinates SCREEN 2 in. Slot Size 0.01 in. Screen Length 10 Χ __ Diameter__ Υ ___ Type MACHINE SLOTTED PVC s 🗆 Material Latitude, Longitude Coordinates Set Between ____ 18 8 ft. and ___ Longitude: 81.67001 Latitude: 41.50664 GRAVEL PACK (Filter Pack) Vol/Wt. Used 400 LBS. Material/ Size SILICA SAND +/- _____ ft. Elevation of Well in feet: ___ Method of Installation Poured (gravity) Datum Plane: NAD27 X NAD83 Elevation Source Source of Coordinates: GPS Depth: Placed From: __ ft. To: __ Well location written description: GROUT Vol/Wt. Material Bentonite pellets/chunks Used _200 LBS. **INNERBELT STUDY STIE 45** Method of Installation Poured (gravity) Depth: Placed From: 6 __ ft. To: _ DRILLING LOG* Comments on water quality/quantity and well construction: FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED. Color Texture Formation From То **FILL MATERIAL** 0 2 18 SAND **WELL TEST *** 0 ___ ft. Pre-Pumping Static Level ____ Date Measured from _ Pumping test method ____ Test Rate _ _____ gpm Duration of Test _ hrs. Sustainable Yield Feet of Drawdown _____ ft. *(Attach a copy of the pumping test record, per section 1521.05, ORC) X No Flowing Well? Yes PUMP/PITLESS Type of pump____ _ Capacity. Pump set at _____ft. Pitless Type_ Pump installed by I hereby certify the information given is accurate and correct to the best of my knowledge. Drilling Firm H.A.D. INC. Address 9797 RD BENNER City, State, Zip RITTMAN OH 44270 SUSAN BROMLEY Date 7/25/2006 Signed ____ (Filed Electronically) Aquifer Type (Formation producing the most water.) SAND Date of Well Completion 7/21/2006 Total Depth of Well_ ODH Registration Number

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0180037

Division of Water

2045 Morse Rd., Bldg B Columbus, OH 43229-6693 Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION						SITE #45 MW03
				Circ	le One or Both	
CountyCU	YAHOGA	Townshi	P CLEVE SS TRUSTI		ion/Lot Number	
	_ocation	1748 Number	AND THE RESERVE OF THE PARTY OF		EAST 27TH STRE	ET
CityCLE	EVELAND	*1	andre ever ever ever ever	Zip Code	44113 nearest intersection	
Property Location	<u> </u>	_ milesn, e	, s, w	OT	nearest intersection	n
Description	on the_		side	e of	road name	
		N □ n, e, s, w	1 1 1 11	1 1 · · ·	road name	
Location of Well in either:	State Plane	S A LILL	☐In Decimal De	+/ ft grees □ Degrees	or m Y	+/ ft. or m
) [Latitude/Long	itude Latitude	41.	50702	Longitude	81.67037
Elevation of Well				ain: 🗆 NAD27		
Source of Coordi	nates: □ GF	S □ Survey				
					_(circ	e one)
ORIGINAL WELL	. ODNR	Well Log Number _	200	4070	Copy attached? Yes	or No
MEASURED COM	NSTRUCTIO	N DETAILS	Date	of measureme	nts6/09/2009	
Depth of Well _	20'			_ Static Wate	Level5'	
Size of Casing _	2"			_ Length of c	asing <u>10 '</u>	
Well Condition	Good	,				
SEALING PROCE						
Method of Placem		Tremmie Grout				
					aling Material	Volume
						6 Gallons
	rom					
Was Casing Remo	oved? 🤇	Yes or No				
Condition of Casir	0	ood				
	rom					
, Fi	rom	To .				
Date Sealing Perfe	ormod	6/09/2009		•		
Reason(s) for Sea	aling	No Longer Neede	ed			
()						
CONTRACTOR				ODLI Davisi	+: o = #	
Name Address	H.A.D., In 9797 Ber	o. ner Road		ODH Registra	UON #	
Address City/State/Zip		Ohio_44270				
	-	10/10				
Signature	certify the informa	ion given is accurate and co	orrect to the best o	f my knowledge.	_	

WELL LOG AND DRILLING REPORT
Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number

2004070 Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS
	Drilling Method: _AUGER
County CUYAHOGA Township CLEVELAND	BOREHOLE/CASING (Measured from ground surface)
	Borehole Diameter 8.25 inches Depth 20
HAROLD MOSS, TRUSTEE	Casing Diameter 2 in. Length 10 ft.Thickness 0.154 in
Owner/Builder	2 Borehole Diameterinches Depthi Casing Diameterin. Lengthift.Thicknessi
1748 E ST 27TH	Casing Diameterin. Length ft.Thicknessir
Address of Well Location	Casing Height Above Groundf
City_CLEVELAND Zip Code +444113	Type { 1: PVC
Permit No Section; and or Lot No	(2:
Use of Well_MONITOR	leints 1: Threaded
Coordinates of Well (Use only one of the below coordinate systems)	Joints { 2:
State Plane Coordinates	SCREEN
N □ X ft. S □ Y ft.	Diameter 2 in. Slot Size 0.01 in. Screen Length 10 f
S Y ft.	Type MACHINE SLOTTED Material PVC
Latitude, Longitude Coordinates	Set Between 20 ft. and 10 ft.
Latitude: 41.50702 Longitude: 81.67037	GRAVEL PACK (Filter Pack)
Elevation of Well in feet: ft.	GRAVEL PACK (Filter Pack) Material/ SILICA SAND Vol/Wt. Used 400 LBS.
Datum Plane: ☐ NAD27 ☒ NAD83 Elevation Source	Method of Installation Poured (gravity)
Source of Coordinates: GPS	Depth: Placed From: 20 ft. To: 8
Well location written description:	GROUT Vol/Wt.
INNERBELT STUDY SITE 45	Material Bentonite pellets/chunks Vol/Wt. Used 250 LBS.
	Method of Installation Poured (gravity)
	Depth: Placed From: 8 ft. To: 1 f
	DRILLING LOG*
Comments on water quality/quantity and well construction:	FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED
	Color Texture Formation From To
	SAND 2 200
WELL TEST *	
Pre-Pumping Static Level0 ft. Date	1
Measured from	
Pumping test method	
Test Rategpm Duration of Testhrs. Feet of Drawdownft. Sustainable Yieldgpm	
·	
*(Attach a copy of the pumping test record, per section 1521.05, ORC)	
s Copy Attached? Yes X No Flowing Well? Yes X No	
PUMP/PITLESS	
Type of pumpgpm Pump set atft. Pitless Type	
Pump installed by	
I hereby certify the information given is accurate and correct to the best of my knowledge.	
Drilling Firm H.A.D. INC.	
Address 9797 RD BENNER	
City, State, Zip <u>RITTMAN OH 44270</u>	
Signed . SUSAN BROMLEY Date 7/25/2006 (Filed Electronically)	Aquifer Type (Formation producing the most water.) SAND
	7/04/0000
DDH Registration Number	Date of Well Completion //21/2006 Total Depth of Well 20 ft

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0180045

Division of Water 2045 Morse Rd., Bldg B Columbus, OH 43229-6693

Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION		SITE #51 MW01
	Circle One or Both	
CountyCUYAHOGA Township_	CLEVELAND Section/Lot Number	
Owner/BuilderTEMP	CRAFT PLASTICS	•
Circle One or Both	SOUTH MARGIN	AL POAD
Address of Well Location 3960 Number	SUITH MARGIN Street Name	AL NOAD
City CLEVELAND	Zip Code 44114	
mileo	ofnearest interse	
Description		ction
on the	side ofroad nam	е
N D		
Location of Well in either: State Plane S X	Decimal Degrees Degrees Minutes Degrees Min. S	L ft. or m Sec.
Latitude/Longitude Latitude	41.5197 Longitude	81.6701
	· ·	
Elevation of Well +/ ft. or m	Datum Plain: ☐ NAD27 ☐ NAD83	
Source of Coordinates: ☐ GPS ☐ Survey ☐ C		- independent
ORIGINAL WELL ODNR Well Log Number		circle one) es or No
Officialization of the control of th	Copy attached.	
MEASURED CONSTRUCTION DETAILS	Date of measurements 6/15/200)9
Depth of Well 28'	Static Water Level 25'	
Depth of Well 28' Size of Casing 2"	Length of casing 18'	
Well Condition Good		1
SEALING PROCEDURE	·	A Company of the Comp
SEALING PROCEDURE Method of Placement Tremmie Grout		
	Sealing Material	
Placement: From <u>28'</u> To <u>1</u>		15 Gallons
From 10		
Was Casing Removed? Yes or No		
(circle one)		
Condition of Casing Good		
Perforations: From		
From To		
Date Sealing Performed6/15/2009		
Reason(s) for Sealing No Longer Needed		
CONTRACTOR		
Name H.A.D., Inc.	ODH Registration #	
Address 9797 Benner Road		
City/State/Zip Rittman, Ohio 44270		
Simplify Hards Hilliam		
Signature I hereby certify the information given is accurate and correct	to the best of my knowledge.	



WELL LOG AND DRILLING REPORT
Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number 2004329

Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS
	Drilling Method: AUGER
County CUYAHOGA Township CLEVELAND	BOREHOLE/CASING (Measured from ground surface)
	Borehole Diameter 8.25 inches Depth 20 ft
TEMP CRAFT PLASTICS	Casing Diameter 2 in. Length 10 ft.Thickness 0.154 in
Owner/Builder	2 Borehole Diameterinches Depthft Casing Diameterin. Lengthft.Thicknessin
3960 S MARGINAL RD	in. Length ft.Thicknessin
Address of Well Location	Casing Height Above Ground
City CLEVELAND Zip Code +4 44114	Type {1: PVC
Permit No Section; and or Lot No	
Use of Well MONITOR	Joints 1: Threaded 2:
Coordinates of Well (Use only one of the below coordinate systems) State Plane Coordinates	SCREEN
N	Diameter 2 in. Slot Size 0.01 in. Screen Length 10 ft
S	Type MACHINE SLOTTED Material PVC
Latitude, Longitude Coordinates	Set Between 20 ft. and 10 ft
Latitude: 41.5197 Longitude: 81.6701	GRAVEL PACK (Filter Pack)
Elevation of Well in feet: ft.	GRAVEL PACK (Filter Pack) Materiall SILICA SAND Used 350 LBS.
Datum Plane: NAD27 X NAD83 Elevation Source	Method of Installation Poured (gravity)
Source of Coordinates: GPS	Depth: Placed From: 20 ft. To: 8 f
Well location written description:	GROUT VOIANT
CLEVELANDINNERBELT STUDY SITE 51	Material Bentonite pellets/chunks Vol/Wt. Used 200 LBS.
	Method of Installation Poured (gravity)
	Depth: Placed From: 8 ft. To: 1 ft
Comments on water quality/quantity and well construction:	DRILLING LOG*
Comments on water quality/quantity and well construction.	FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.
	Color Texture Formation From To
	FILL MATERIAL 0 2
	CLAY AND SAND 2 20
WELL TEST *	
Pre-Pumping Static Level0ft. Date	
Measured from	
Pumping test method	
Test Rate gpm Duration of Test hrs.	
Feet of Drawdown ft. Sustainable Yield gpm	
*(Attach a copy of the pumping test record, per section 1521.05, ORC)	
s Copy Attached? Yes No Flowing Well? Yes No	
PUMP/PITLESS	
Type of pumpgpm	
Pump set_atft, Pitless Type	
Pump installed by	
I hereby certify the information given is accurate and correct to the best of my knowledge.	
Drilling Firm H.A.D. INC.	
Address 9797 BENNER RD	
City, State, Zip RITTMAN OH 44270	
Signed SUSAN BROMLEY Date 8/7/2006	
(Filed Electronically)	Aquifer Type (Formation producing the most water.) CLAY & SAND
DDH Registration Number	Date of Well Completion 8/3/2006 Total Depth of Well 20 ft.

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0180047

Division of Water 2045 Morse Rd., Bldg B Columbus, OH 43229-6693

Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION				SITE #51 MV	W02
	Townsh	Sin OLEVELAND	Circle One or Both	oor	
Owner/Builder		MP CRAFT PLASTI	CS	per	
Address of Well Location	3960 Number		SOUTH M Stree	ARGINAL ROAD t Name	
City CLEVELAN		Zip C	ode <u>441</u>	14	
Property Location	milesn, o	e, s, w Of	near	est intersection	
on '	then, e, s, w	side of		road name	
Location of Well in either: $\begin{cases} \text{State Place} \\ \text{OR} \\ \text{Latitude.} \end{cases}$	ane s X	☐In Decimal Degrees ☐ 41.52074	Tt. or m The property of the	ees Min. Sec. 81.66862	ft. or m
Elevation of Well	+/ ft. or	n Datum Plain: 🗆 N	NAD27 🗆 NAD83		
Source of Coordinates:	☐ GPS ☐ Survey	☐ Other		(circle one)	
ORIGINAL WELL OF	ONR Well Log Number	2004330	Copy attac	hed? Yes or No	
MEASURED CONSTRUC	CTION DETAILS	Date of meas	surements 6	/15/2009	
		Stati	c Water Level1 gth of casing1	5' 0'	
Well Condition God					
SEALING PROCEDURE Method of Placement	Tremmie Grout			V	
Placement: From	20' To	1'	Sealing Material Grout DF	Volume 10 Gallons	
From	To				
From	To				
Was Casing Removed?	Yes or No (circle one)				
Condition of Casing	Good			•	
Perforations: From	To To				
Date Sealing Performed	0/45/0000				
Reason(s) for Sealing		ed			
CONTRACTOR					
Name H.A.D)., Inc. Benner Road	ODH F	Registration #		
Addiess	an, Ohio 44270				
Signature					
I hereby certify the i	nformation given is accurate and	correct to the best of my knowle	dge.		

WELL LOG AND DRILLING REPORT
Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number 2004330 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS
	Drilling Method: AUGER
County CUYAHOGA Township CLEVELAND	BOREHOLE/CASING (Measured from ground surface)
	Borehole Diameter 8.25 inches Depth 20 f
TEMP CRAFT PLASTICS Owner/Builder	Casing Diameter 2 in. Length 10 ft.Thickness 0.154 in
3960 S MARGINAL RD	2 {Borehole Diameterinches Depthf Casing Diameterin. Lengthft.Thicknessir
Address of Well Location	
	Casing Height Above Groundf
City CLEVELAND Zip Code +4 44114 Permit No. and or Lot No.	Type { 1: 1 V O
Use of Well_MONITOR	(4) Threaded
Coordinates of Well (Use only one of the below coordinate systems)	Joints 2:
State Plane Coordinates	SCREEN
N □ X +/ ft.	Diameter 2 in. Slot Size 0.01 in. Screen Length 10 ft
S	Type MACHINE SLOTTED Material PVC
Latitude, Longitude Coordinates	Set Between 20 ft. and 10 f
Latitude: 41.52074 Longitude: 81.66862	
Elevation of Well in feet: ft.	Material/ SILICA SAND Used 350 LBS.
Datum Plane: ☐ NAD27 ☒ NAD83 Elevation Source	Method of Installation Poured (gravity)
Source of Coordinates: GPS	Depth: Placed From: 20 ft. To: 8
Well location written description:	GROUT Vol/Wt
INNERBELT STUDY SITE 51	Material Bentonite pellets/chunks Vol/Wt. Used 200 LBS.
	Method of Installation Poured (gravity)
	Depth: Placed From: 8 ft. To: 1 ft
	DDII LING LOCK
Comments on water quality/quantity and well construction:	PORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.
	Color Texture Formation From To
	FILL MATERIAL 0 2
	L
	CLAY AND SAND 2 20
WELL TEST *	
Pre-Pumping Static Level ft. Date	
Measured from	
Pumping test method	
Test Rate gpm Duration of Testhrs.	
Feet of Drawdown ft. Sustainable Yield gpm	1
*(Attach a copy of the pumping test record, per section 1521.05, ORC)	
s Copy Attached? 🗌 Yes 🔃 No Flowing Well? 🗌 Yes 🔼 No	
PUMP/PITLESS	-
	-
Type of pump Capacity gpm	
Pump set atft. Pitless Type	
Pump installed by I hereby certify the information given is accurate and correct to the best of my knowledge.	=
Orilling Firm H.A.D. INC.	
Address 9797 BENNER RD	
City, State, Zip RITTMAN OH 44270	
Signed SUSAN BROMLEY Date 8/7/2006	
(Filed Electronically)	Aquifer Type (Formation producing the most water.) CLAY & SAND
DDH Registration Number	Date of Well Completion 8/3/2006 Total Depth of Well 20 ft.
	iotal popul of from 20 It.

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

018 046

Division of Water

2045 Morse Rd., Bldg B Columbus, OH 43229-6693 Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION	SITE #51	MW03
	Circle One or Both	
CountyCUYAHOGA Township	CLEVELAND Section/Lot Number	
Owner/Builder	1P CRAFT PLASTICS	
Address of Well Location3960	SOUTH MARGINAL ROAD	•
Number	Street Name	
City CLEVELAND	Zip Code 44114	
Property Location — miles miles	s, w nearest intersection	
Description	aide of	
on then, e, s, w .	side ofroad name	
Location of Well in either: State Plane S X Check ONE Check ONE	In Decimal Degrees Degrees Minutes Degrees Min. Sec. 41.5204 Longitude 81.66937	ft. or
Elevation of Well +/ ft, or m	n Datum Plain: 🗆 NAD27 🗆 NAD83	
Source of Coordinates: ☐ GPS ☐ Survey ☐		
ORIGINAL WELL ODNR Well Log Number _	(circle one) 2004327 Copy attached? Yes or No	
MEASURED CONSTRUCTION DETAILS	Date of measurements 6/15/2009	
Depth of Well 19'	Static Water Level 10'	
	Static Water Level 9' Length of casing	
Well Condition Good	Length of casing	
SEALING PROCEDURE Trammic Crout		
Method of Placement Tremmie Grout	Sealing Material Volume	
Placement: From19' To		ne .
	To Gallo	113
From To		
Was Casing Removed? Yes or No		
Condition of Casing Good		
Date Sealing Performed6/15/2009		
	d.	
CONTRACTOR		
Name H.A.D., Inc.	ODH Registration #	
Address 9797 Benner Road	-	
City/State/Zip Rittman, Ohio 44270		
Signature		
I hereby certify the information given is accurate and con	rect to the best of my knowledge.	

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605

DNR 7802.05e

Well Log Number 2004327

Page 1 of 1 for this record. Voice (614) 265-6740 Fax (614) 265-6767 WELL LOCATION CONSTRUCTION DETAILS Drilling Method: AUGER County <u>CUY</u>AHOGA BOREHOLE/CASING (Measured from ground surface) ___ Township CLEVELAND Borehole Diameter 8.25 inches 17 Casing Diameter 2 in. Length 7 ___ ft.Thickness __0.154_in. TEMP CRAFT PLASTICS Owner/Builder Borehole Diameter _____ ____inches Depth _____ 3960 S MARGINAL RD Casing Diameter_____in. Length _____ ft.Thickness ___ Address of Well Location Casing Height Above Ground ____ City CLEVELAND __ Zip Code +4. Type { 2: _ Permit No. Section; _____ and or Lot No. Use of Well MONITOR Joints ' Coordinates of Well (Use only one of the below coordinate systems) State Plane Coordinates SCREEN 2 in, Slot Size 0.01 in. Screen Length____ N 🔲 Χ ___ Diameter__ Υ __ Type_____MACHINE SLOTTED ____Material ____ s 🗆 Latitude, Longitude Coordinates Set Between _____ _ ft. and ___ Longitude: 81.66937 Latitude: 41.5204 GRAVEL PACK (Filter Pack) Vol/Wt. _ Used _350 LBS. Material/ SILICA SAND Elevation of Well in feet: ___ Method of Installation Poured (gravity) Datum Plane: NAD27 X NAD83 Elevation Source Source of Coordinates: GPS Depth: Placed From: _____ ___ ft. To: __ Well location written description: GROUT Vol/Wt. INNERBELT STUDY SITE 51 Material Bentonite pellets/chunks Used 150 LBS. Method of Installation Poured (gravity) Depth: Placed From: _ ft. To: _ DRILLING LOG* Comments on water quality/quantity and well construction: FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED. Color Texture From Formation To FILL MATERIAL 0 17 SAND **WELL TEST *** 0 ___ ft. Pre-Pumping Static Level ____ Date Measured from _ Pumping test method ____ _____ gpm Test Rate _ Duration of Test _ Feet of Drawdown _____ ft. Sustainable Yield *(Attach a copy of the pumping test record, per section 1521.05, ORC) Is Copy Attached?

Yes ▼ No Flowing Well?

Yes X No **PUMP/PITLESS** Type of pump___ Pump set at _____ft. Pitless Type_ I hereby certify the information given is accurate and correct to the best of my knowledge Drilling Firm H.A.D. INC. Address 9797 BENNER RD City, State, Zip RITTMAN OH 44270 SUSAN BROMLEY _____ Date <u>8/7/200</u>6 Signed ____ (Filed Electronically) Aquifer Type (Formation producing the most water.) SAND Date of Well Completion___ 8/4/2006 ODH Registration Number Total Depth of Well_

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0181048

Division of Water 2045 Morse Rd., Bldg B Columbus, OH 43229-6693 Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION						SITE #51 MW04
					rcle One or Both	
CountyC Owner/Builder Circle One or Bot	-	GATov	nshipC TEMP CF	CLEVELAND Se RAFT PLASTICS	ction/Lot Number	
		3960			SOUTH MARGIN	IAL ROAD
		Number			Street Name	
City — C	LEVELA	ND .		Zip Code	44114	
Property Local Description	tion	miles			44114 nearest inters	
	OH	N □	i, W	Side Oi	road na	me
Location of Well in either:	State PI	lane s 🗆 X		eimal Dagrace Dagrace	ft. or m	Sec. 81.66964 ft. or m
Elevation of W	/ell	+/-	ft. or m Da	tum Plain: 🗆 NAD27	7 □ NAD83	•
Source of Coo	rdinates:	□ GPS □ Surv	ey 🗆 Oth	er		(circle one)
ORIGINAL WE	ELL O	DNR Well Log Numl	oer	2004326	Copy attached?	and the same of th
MEASURED C	ONSTRU	CTION DETAILS		Date of measurem	ents6/15/20	09
Depth of Well Size of Casing	19' 2"			Static Wate	er Level 10' casing 9'	
Well Condition	God	od				
SEALING PRO	OCEDURE	Tremmie Gr	out			
Welliod of Flac					ealing Material	Volume
Placement:		19' To				10 Gallons
Was Casing Re	emoved?	Yes or No (circle one)				
Condition of Ca	asing	Good				
Perforations:	From			The state of the s		
	From		ō			
Date Sealing P	erformed	6/15/2009				
Reason(s) for S		No Longer Ne	eded			<u> </u>
CONTRACTOR						
Name	H.A.E	D., Inc.		ODH Registr	ation #	
Address		Benner Road nan, Ohio 44270				
City/State/Zip	TNIUI	1011, OT110 44270 111, 111				
Signature	eby certify the i	information given is accurate	and correct to t	he best of my knowledge.		

Well Log Number 2004326

DNR 7802.05e

WELL LOG AND DRILLING REPORT
Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS	
	Drilling Method: AUGER	
County CUYAHOGA Township CLEVELAND	BOREHOLE/CASING (Measured from ground surface)	
	Borehole Diameter 8.25 inches Depth 1	8 fi
TEMP CRAFT PLASTICS	Casing Diameter 2 in, Length 0 ft. Thickness	0.154_in
Owner/Builder	2 Borehole Diameterinches Depth Casing Diameterin. Length ft.Thickness _	fl
3960 S MARGINAL RD	Casing Diameterin. Length ft.Thickness _	in
Address of Well Location	Casing Height Above Ground	ft
City CLEVELAND Zip Code +4 44114	(1: PVC	
Permit No Section; and or Lot No	Type { 2:	
Use of Well MONITOR	1: Threaded	
Coordinates of Well (Use only one of the below coordinate systems)	Joints 2:	
State Plane Coordinates	SCREEN	
	Diameter 2 in. Slot Size 0.01 in. Screen Length	10 ft
N □ X ft. S □ Y ft.	Type MACHINE SLOTTED Material PVC	
Latitude, Longitude Coordinates	Set Retween 18 ft and 8	ft
Latitude: 41.81962 Longitude: 81.66964	GRAVEL PACK (Filter Pack) Material/ Size Size Size Size Size Size Size Size	
Elevation of Well in feet: ft.	Material/ SILICA SAND Used 350 LBS.	
Datum Plane: NAD27 X NAD83 Elevation Source	Method of Installation Poured (gravity)	
Source of Coordinates: GPS	Depth: Placed From: 18 ft. To: 6	f
Well location written description:	CROUT	
INNERBELT STUDY SITE 51	Material Bentonite pellets/chunks Vol/Wt. Used 150 LBS.	
	Method of Installation Poured (gravity)	
	Depth: Placed From: 6 ft. To: 1	ft
	DRILLING LOG*	
Comments on water quality/quantity and well construction:	FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOU	NTERED.
	Color Texture Formation From	
	FILL MATERIAL	0 6
		6 18
	`	
WELL TEST *		
Pre-Pumping Static Level ft. Date		
Measured from		
Pumping test method		
Test Rate gpm Duration of Testhrs.		
Feet of Drawdown ft. Sustainable Yieldgpm		
*(Attach a copy of the pumping test record, per section 1521.05, ORC)		
ls Copy Attached? ☐ Yes X No Flowing Well? ☐ Yes X No		
DIMID DITTERS		
PUMP/PITLESS		
Type of pumpgpm	,	
Pump set atft. Pitless Type		
Pump installed by		
I hereby certify the information given is accurate and correct to the best of my knowledge.		1
Drilling Firm H.A.D. INC.		
Address 9797 BENNER RD		
City, State, Zip RITTMAN OH 44270		
Signed SUSAN BROMLEY Date 8/7/2006		
(Filed Electronically)	Aquifer Type (Formation producing the most water.) SAND	
ODH Registration Number	Date of Well Completion 8/4/2006 Total Depth of Well	ft.

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0180031

Division of Water 2045 Morse Rd., Bldg B Columbus, OH 43229-6693

Columbus, OH 43229-6693 Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION				<u> </u>		SITE #53 MW01
				Circ	cle One or Both	
CountyC	UYAHOGA	Townshi	pCLEVE	LAND Sec	tion/Lot Number	
Owner/Builder						
Circle One or Both		0404			LAKEODE A	A /ENILIE
Address of We	II Location —	3101 Number			LAKESIDE A Street Name	VENUE
CityC	I EVELAND					
		milesn, e		∠ip Code of	44114	
Property Locati	ion	n, e	, s, w		nearest inte	rsection
Description	on the_	n, e, s, w	side	of	rood n	
	_	N				
Location of Well in either:	1	s 🗆 x 🔝 🗎		+/ f	ft. or m	n. Sec. ft. or n
wen menner.		Check ONE	∐ın Decimai De 11.5	grees ∐ Degrees 156	I ongitude	81.67225
	(Latitude/Long	gitude [Latitude	41	130		61.07223
Elevation of We	ell [].	+/ ft. or s	m Datum Pla	ain: 🗆 NAD27	□ NAD83	
Source of Coor	rdinates: 🗆 GF	PS □ Survey I	☐ Other			
ORIGINAL WE	LL ODNR	Well Log Number _	2004	137 4	Copy attached?	(circle one) Yes or No
MEASURED C	ONSTRUCTIO	N DETAILS	Date	of measureme	ents <u>6/04/2</u>	009
Depth of Well	20'			Static Wate	rlevel DRY	
Size of Casing	2"			Length of c	asing	
Well Condition						
SEALING PRO	CEDURE					
Method of Place	ement	Tremmie Grout				
Wicthou of Flace					aling Material	Volume
Placement:	From20	<u>D'</u> To	1'	Grout	DF	10 Gallons
	From	To				
	From	To				
Was Casing Re	moved?	Von or No				
was Casing he	moveu?	(circle one)				
Condition of Ca	sina G	ood				
Perforations:	-	To				
	From	To _				
		0.10.4.19.000				
Date Sealing Pe	erformed	No Longon No odo				
Reason(s) for S	ealing	No Longer Neede	2 Q			
OALITA ACTOR		ant record of Table		STATE OF THE STATE		
CONTRACTOR	! H.A <u>.D.,</u> Ir			ODH Pogietre	ation #	
Name Address		nner Road		ODI i negistra	มเเบท #	
City/State/Zip		Ohio 44270				
J.I.J. Ciato, Lip		-11/1				
Signature	<u> </u>	<u> </u>				
I here	eny certity the informa	ation given is accurate and co	prrect to the best of	mv knowledge.		

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605

DNR 7802.05e

١	Nell Log	g Numbe	r.
	2004	4374	

Page 1 of 1 for this record. Voice (614) 265-6740 Fax (614) 265-6767 CONSTRUCTION DETAILS **WELL LOCATION** Drilling Method: AUGER BOREHOLE/CASING (Measured from ground surface) County CUYAHOGA ___ Township CLEVELAND Borehole Diameter 8.25 inches 19 Casing Diameter 2 in. Length 9 __ ft.Thickness __0.154_in. CLEVELAND FIRE ACADEMY Owner/Builder Borehole Diameter ____ ____inches Depth _____ 3101 LAKESIDE AVE __ ft.Thickness __ Casing Diameter____in. Length ____ Address of Well Location Casing Height Above Ground _ City CLEVELAND _ Zip Code +4_____44114 Permit No. _ Section: ____ and or Lot No. Use of Well MONITOR 1: Threaded Joints 9 Coordinates of Well (Use only one of the below coordinate systems) State Plane Coordinates SCREEN 2___in. Slot Size___ 0.01 in. Screen Length 10 Diameter_ N Х Υ ___ MACHINE SLOTTED. s 🗆 Material ____ Type____ Latitude, Longitude Coordinates Set Between ____ ft. and Longitude: 81.67225 Latitude: 41.5156 GRAVEL PACK (Filter Pack) Vol/Wt. Used 350 LBS. Material/ Size SILICA SAND Elevation of Well in feet: ___ Datum Plane: NAD27 X NAD83 Elevation Source Method of Installation Poured (gravity) Source of Coordinates: GPS Depth: Placed From: ___ ft. To: _ Well location written description: GROUT Vol/Wt. Material Bentonite pellets/chunks Used _ 150 LBS **INNERBELT STUDY SITE 53** Method of Installation Poured (gravity) Depth: Placed From: _ _ ft. To: _ DRILLING LOG* Comments on water quality/quantity and well construction: FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED. Color From Texture То Formation **FILL MATERIAL** 0 4 SILT 19 **WELL TEST *** Pre-Pumping Static Level _____ ft. Date _ Measured from _ Pumping test method ____ Test Rate _ _____ gpm Duration of Test _ Feet of Drawdown _____ ft. Sustainable Yield *(Attach a copy of the pumping test record, per section 1521.05, ORC) X No Flowing Well?
Yes X No **PUMP/PITLESS** Type of pump____ Capacity _ .gpm Pump set at _____ft. Pitless Type_ Pump installed by_ I hereby certify the information given is accurate and correct to the best of my knowledge. Drilling Firm H.A.D. INC. Address 9797 BENNER RD City, State, Zip RITTMAN OH 44270 SUSAN BROMLEY _____ Date 8/9/2006 Signed ___ (Filed Electronically) Aquifer Type (Formation producing the most water.) SILT Date of Well Completion 7/28/2006 ODH Registration Number Total Depth of Well

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0181032

Division of Water 2045 Morse Rd., Bldg B Columbus, OH 43229-6693

Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION		SITE #53 MW02
	Circle One or Both	
County CUYAHOGA Township	CLEVELAND Section/Lot Number	
Owner/BuilderCLEVI	ELAND FIRE ACADEMY	
Circle One or Both	LAKESIDE AVENU	IE
Address of Well Location 3101 Number	Street Name)
City CLEVELAND	Zin Code 44114	
Property Location milesn, e, s, v	Zip Code 44114 nearest intersection	
Description		
on then, e, s, w	side of road name	
Location of (State Plane S X		+/- ft or m
Location of Well in either: State Plane S X	Decimal Degrees Degrees Minutes Degrees Min. Sec.)
Latitude/Longitude Latitude	Decimal Degrees Degrees Minutes Degrees Min. Sec. 41.51577 Longitude	31.67352J
Elevation of Well +/ ft. or m		
Source of Coordinates: ☐ GPS ☐ Survey ☐ G	Other(circle	one)
ORIGINAL WELL ODNR Well Log Number	· · · · · · · · · · · · · · · · · · ·	•
MEASURED CONSTRUCTION DETAILS	Date of measurements 6/04/2009	
Depth of Well 21'	Static Water Level DRY Length of casing	
Size of Casing2"	Length of casing	,
Well Condition Good		
SEALING PROCEDURE -		
Method of PlacementTremmie Grout	Sealing Material	Volume
	<u>-</u>	
Placement: From To	Grout DF	10 Gallons
From To		
110111		
Was Casing Removed? Yes or No		
(circle one)		•
Condition of Casing		
From To		
0/04/2000		
Date Sealing Performed 6/04/2009 Reason(s) for Sealing No Longer Needed		
Reason(s) for Sealing No Longer Needed		
CONTRACTOR Name H.A.D., Inc.	ODH Registration #	
Name H.A.D., Inc. Address 9797 Benner Road	ODD negistration #	
City/State/Zip Rittman, Ohio 44270		
1 1 -111:16		
Signature // hereby certify the information given is accurate and correct	at to the best of my knowledge.	

WELL LOG AND DRILLING REPORT
Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number. 2004372

Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS
	Drilling Method: AUGER
County CUYAHOGA Township CLEVELAND	BOREHOLE/CASING (Measured from ground surface)
	Borehole Diameter 8.25 inches Depth 20 f
CLEVELAND FIRE ACADEMY	Casing Diameter 2 in. Length 10 ft. Thickness 0.154 in
Owner/Builder	Pershels Diameter inches Donth
3101 LAKESIDE AVE	2 Casing Diameterin. Lengthft.Thicknessir
Address of Well Location	Casing Height Above Groundf
City CLEVELAND Zip Code +4 44114	(1. PVC
Permit No Section; and or Lot No	Type { 2:
Use of Well MONITOR	1: Threaded
Coordinates of Well (Use only one of the below coordinate systems)	Joints 2.
State Plane Coordinates State Plane Coordinates	SCREEN
N	Diameter 2 in. Slot Size 0.01 in. Screen Length 10 f
S	Type MACHINE SLOTTED Material PVC
Latitude, Longitude Coordinates	Set Between 20 ft. and 10 f
Latitude: 41.51577 Longitude: 81.67352	Set between it. and i
Elevation of Well in feet: ft.	GRAVEL PACK (Filter Pack) Material/ Size SILICA SAND Vol/Wt. Used 400 LBS.
•	Method of Installation Poured (gravity)
Datum Plane: NAD27 X NAD83 Elevation Source	Double Placed From: 20 ft To: 8
Source of Coordinates: GPS Well location written description:	Depth: Placed From: 20 ft. To: 8
INNERBELT STUDY SITE 53	Material Bentonite pellets/chunks Vol/Wt. Used 200 LBS.
INNERBELT STUDY SITE 53	Method of Installation Poured (gravity)
	Depth: Placed From: 8 ft. To: 1 ft
	Depth: Placed From:it. 10:i
	DRILLING LOG*
Comments on water quality/quantity and well construction:	FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED
	Color Texture Formation From To
	FILL MATERIAL 0 5
	CUT 5 20
	SIL1 5 20
WELL TEST *	
Pre-Pumping Static Level0 ft. Date	
Measured from	
Pumping test method	
Test Rate gpm Duration of Testhrs.	
Feet of Drawdown ft. Sustainable Yieldgpm	
*(Attach a copy of the pumping test record, per section 1521.05, ORC)	
s Copy Attached? ☐ Yes	
PUMP/PITLESS	
Type of pumpgpm	
Pump set atft, Pitless Type	
Pump installed by	
I hereby certify the information given is accurate and correct to the best of my knowledge.	
Drilling Firm H.A.D. INC.	
Address 9797 BENNER RD	
City, State, Zip <u>RITTMAN OH 44270</u>	
Signed SUSAN BROMLEY Date8/9/2006	
(Filed Electronically)	Aquifer Type (Formation producing the most water.) SILT
ODH Registration Number	Date of Well Completion 7/28/2006 Total Depth of Well 20 ft.

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0180034

Division of Water 2045 Morse Rd., Bldg B Columbus, OH 43229-6693

Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION								SITE #53 N	MW03
						Circle One or			
County(CUYAHOG	iA	Townsh	ipCL	EVELAND_	Section/Lot	Number		
Owner/Builder			CL	<u>.EVELAN</u>	ID FIRE ACA	DEMY			
Circle One or Both	-		3101			1.4	KESIDE MA	ENUE	
Address of We		NU	ımber				Street Name		
City	CLEVELAN	1D			Zin Co	da	44114	ction	
Droporty Logot	ion —	miles			of			etion	
Description									
	on th	ne	n, e, s, w		side of		road name	9	
Location of	(State Pla	N∐ ne a□ À				v		+/-	
Well in either:	OR	ne s∟ ∫c	heck ONE	☐In Decima	al Degrees 🔲 D	ft. or m " ^t egrees Minutes [Degrees Min. S	ec. +/-	— ft. or r
	Latitude/l	_ongitude (L	atitude		41.51603	Long	gitude	81.67329	
Elevation of We	-								
Source of Coor	rdinates: [GPS □	Survey	☐ Other.					
	+				2004275		•	circle one)	
ORIGINAL WE	LL OD	NR Well Log	Number _		2004373	Сору	attached? Y	es or No	
MEASURED C	ONSTRUC	TION DETAIL	.S		Date of measu	rements	6/08/200	09	
Denth of Well	20'				Static	Water Level	5'		
Size of Casing	2"	-			Lengt	n of casing	10'		
Well Condition	God	od							
SEALING PRO	CEDUDE								
SEALING PRO Method of Place	ement	Tremn	nie Grout						
							ıterial		
Placement:	From	20'	_ To	1'	Address de la contraction de l	Grout DF		4 Gallons	
÷									
	From		_ lo						
Was Casing Re	moved?								
Condition of Co.	oina	Good	10)						
Condition of Ca Perforations:	•		To			,			
Choradono.									
Date Sealing Pe									
Reason(s) for S	ealing _	No Long	jer Need	ea	<u> </u>				
CONTRACTOR	≀ H.A.D) Inc			ODH D-	alatratian #			
Name Address		Benner Roa	d		_ ODH Re	gistration # _			
City/State/Zip		an, Ohio 442							
, · o tato,	//	217/					111		
Signature	by coefficient	ormation diven is a	óourato and o	orroot to the h	aget of my knowledg	0			•

DNR 7802.05e

WELL LOG AND DRILLING REPORT
Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

	W	/ell L	.og	Number
2004375				
Page	1	of	1	for this record.

WELL LOCATION	CONSTRUCTION DETAILS	
	Drilling Method: AUGER	
County CUYAHOGA Township CLEVELAND	BOREHOLE/CASING (Measured from ground surface)	
Johnson Johnson	Borehole Diameter 8.25 inches Depth 20	f1
CLEVELAND FIRE ACADEMY	1 Casing Diameter 2 in. Length 10 ft. Thickness 0	.154 jn
Owner/Builder	Borehole Diameterinches Depth	
3101 LAKESIDE AVE	2 Casing Diameterin. Lengthft.Thickness	
Address of Well Location	Casing Height Above Ground	_
City_CLEVELAND Zip Code +4 44114	11. PVC	
Permit No. Section; and or Lot No.	Type { 2:	
Use of Well MONITOR	1: Threaded	
Coordinates of Well (Use only one of the below coordinate systems)	Joints 2:	
State Plane Coordinates	SCREEN	
N □ X +/ ft.	Diameter 2 in, Slot Size 0.01 in. Screen Length 10	0 ft
S □ Y +/ ft.	Type MACHINE SLOTTED Material PVC	
Latitude, Longitude Coordinates	Set Between 20 ft. and 10	
Latitude: 41.51603 Longitude: 81.67329	GRAVEL PACK (Filter Pack) Material/ Size SILICA SAND Vol/Wt. Used 400 LBS.	
Elevation of Well in feet: ft.	Material/ SILICA SAND Vol/Wt. Used 400 LBS.	
Datum Plane: NAD27 X NAD83 Elevation Source	Method of Installation Poured (gravity)	
Source of Coordinates: GPS	Depth: Placed From: 20 ft. To: 8	f
Well location written description:	CDOUT	
CLEVELAND INNERBELT STUDY SITE 53	Material Bentonite pellets/chunks Vol/Wt. Used 250 LBS.	
	Method of Installation Poured (gravity)	
A.		ft
	DRILLING LOG*	
Comments on water quality/quantity and well construction:	FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNT	TERED.
	Color Texture Formation From	То
	FILL MATERIAL 0	2
	SAND 2	15
	CLAY 15	20
WELL TEST *		
Pre-Pumping Static Level ft. Date		
Measured from		
Pumping test method		
Test Rate gpm Duration of Testhrs.		
Feet of Drawdown ft. Sustainable Yieldgpm		
*(Attach a copy of the pumping test record, per section 1521.05, ORC)		
Is Copy Attached? Yes No Flowing Well? Yes No		
PUMP/PITLESS		
Type of pump Capacitygpm		
Pump set atft. Pitless Type		
Pump installed by		
I hereby certify the information given is accurate and correct to the best of my knowledge.		
Drilling Firm H.A.D. INC.		
Address 9797 BENNER RD		
City, State, Zip RITTMAN OH 44270		
Signed SUSAN BROMLEY Date 8/9/2006		
	Aquifer Type (Formation producing the most water.) SAND	
ODH Registration Number	Date of Well Completion 8/2/2006 Total Depth of Well 20	0 ft.

DNR 7810.06

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0180033

Division of Water 2045 Morse Rd., Bldg B Columbus, OH 43229-6693 Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION			SITE #53 MW04
•		Circle One or Both	
CountyCUYAHOGA To	ownship <u>CLEVELAN</u>	D Section/Lot Number	
Owner/Builder	CLEVELAND FIRE	ACADEMY	
Circle One or Both	101	I AKESIDE AVENI	JE
Address of Well Location3	er	Street Name	
City CLEVELAND		n Code <u>44114</u>	
Property Location ——— miles —	of	nearest intersection	<u> </u>
Description			•
on the	SIDE OT e, s, w	road name	
Location of State Plane S X		+/-	+/ ft or m
Location of State Plane S X Well in either:	ONE In Decimal Degrees	Degrees Minutes Degrees Min. Sec.	<i>j</i>
Latitude/Longitude Latitu	de 41.5153	2 Longitude	81.6734J
Elevation of Well +/-			
Source of Coordinates: ☐ GPS ☐ Su	rvey Other		
ORIGINAL WELL ODNR Well Log Nu	mber2004376	Copy attached? Yes o	·
MEASURED CONSTRUCTION DETAILS	Date of m	neasurements 6/08/2009	
Depth of Well 17'	S	tatic Water Level4'	
Size of Casing Well Condition Good		ength of casing	
Well Condition Good			
SEALING PROCEDURE Method of Placement Tremmie	Grout		
		Sealing Material	Volume
Placement: From17'	To1'	Grout DF	3 Gallons
From	To		
From	To		
Was Casing Removed? Yes or No			
(circle one)			
Condition of Casing Good			
Perforations: From	To	_	
From	To	_	
Date Sealing Performed6/08/2009			
2 at 6 6 6 at 11 g 1 at 11 at 11 at 12 at	Needed		
CONTRACTOR			
Name H.A.D., Inc.	OD	H Registration #	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Address 9797 Benner Road			
City/State/Zip Rittman, Ohio 44270			
Cincolina Finale Miller			
Signature Thereby certify the information given is accur	ate and correct to the hest of my kr		

DNR 7802.05e

2004376 Page 1 of 1 for this record.

Well Log Number

WELL LOG AND DRILLING REPORT
Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

WELL LOCATION	CONSTRUCTION DETAILS	_
	Drilling Method: AUGER	
County CUYAHOGA Township CLEVELAND	BOREHOLE/CASING (Measured from ground surface)	
,	Borehole Diameter 8.25 inches Depth 16	. ft
CLEVELAND FIRE ACADEMY	Casing Diameter 2 in. Length 6 ft.Thickness 0.154	
Owner/Builder	Borehole Diameterinches Depth	
3101 LAKESIDE AVE	Casing Diameterin. Lengthft.Thicknessi	in
Address of Well Location	Casing Height Above Ground	ft
City CLEVELAND Zip Code +4 44114	Casing Height Above Ground Type 1: PVC 2:	
Permit No Section; and or Lot No		
Use of Well_MONITOR	loints 1: Threaded	
Coordinates of Well (Use only one of the below coordinate systems) State Plane Coordinates	Joints 2: SCREEN	
N	Diameter 2 in. Slot Size 0.01 in. Screen Length 10	ft.
s	Type MACHINE SLOTTED Material PVC	
Latitude, Longitude Coordinates	Set Between 16	ft.
Latitude: 41.51532 Longitude: 81.6734		
Elevation of Well in feet: +/ ft.	GRAVEL PACK (Filter Pack) Material/ Size SILICA SAND Vol/Wt. Used 400 LBS.	
Datum Plane: NAD27 🕅 NAD83 Elevation Source	Method of Installation Poured (gravity)	
Source of Coordinates: GPS	Depth: Placed From: 16 ft. To: 5	ft
Well location written description:	COULT	
INNERBELT STUDY SITE 53	Material Bentonite pellets/chunks Vol/Wt. Used 150 LBS.	
MWOY	Method of Installation Poured (gravity)	
	Depth: Placed From:5 ft. To:1	ft.
Commende on the land the land to all and the land	DRILLING LOG*	لـ
Comments on water quality/quantity and well construction:	FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED	<u>).</u>
	Color Texture Formation From To	_
	FILL MATERIAL 0 2	2
	SAND 2 16	6
	`	-
WELL TEST *		
Pre-Pumping Static Level0 ft. Date		
Measured from		
Pumping test method		
est Rate gpm Duration of Testhrs.		
eet of Drawdown ft. Sustainable Yield gpm		
(Attach a copy of the pumping test record, per section 1521.05, ORC)		
s Copy Attached? ☐ Yes		
PUMP/PITLESS		
ype of pumpgpm		-
rump set atft. Pitless Type		1
ump installed by		+
I hereby certify the information given is accurate and correct to the best of my knowledge.		-
Prilling Firm H.A.D. INC.		
ddress 9797 BENNER RD		-
ity, State, Zip <u>RITTMAN OH 44270</u>		-
igned Date8/9/2006		
	Aquifer Type (Formation producing the most water.) SAND	_
DH Registration Number	Date of Well Completion 8/3/2006 Total Depth of Well 16 ft	Ť.

DNR 7810.06

WATER WELL SEALING REPORT-OHIO DEPARTMENT OF NATURAL RESOURCES

Division of Water

018/1028

2045 Morse Rd., Bldg B Columbus, OH 43229-6693 Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION	SIDE #5 7 MW01
	Circle One or Both shipCLEVELAND Section/Lot Number
County CHYAHOGA Iowns Owner/Builder	ship <u>CLEVELAND</u> Section/Lot NumberCHARLES MARTIN
Circle One or Both	
Address of Well Location Number	CROTON AVENUE Street Name
ČI EVELAND	71.0 L 1/113
City — miles — miles — miles	Zip Code 44113 of nearest intersection
Property Location Description on the	n, e, s, w nearest intersection side of road name
Location of State Plane S X L	tt. or m In Decimal Degrees Degrees Minutes Degrees Min. Sec. A1.48798 Longitude 81.66517
Elevation of Well +/ ft.	or m Datum Plain: □ NAD27 □ NAD83
Source of Coordinates: GPS GPS Survey	Other(circle one)
ORIGINAL WELL ODNR Well Log Numbe	
MEASURED CONSTRUCTION DETAILS	Date of measurements6/04/2009
Well Condition	Static Water Level20' Length of casing
SEALING PROCEDURE Method of Pleasment Tremmie Gro	ııt
Method of Placement I remmie Gro	Sealing Material Volume
From To	1' Grout DF 15 Gallons
Was Casing Removed? Yes or No (circle one)	
Condition of Casing Good Perforations: From To From To	
Date Sealing Performed 6/04/2009 Reason(s) for Sealing No Longer Nee	eded
CONTRACTOR Name H.A.D., Inc. 9797 Benner Road	ODH Registration #
City/State/Zip Rittman, Ohio 44270	
Signature hereby certify the information-given is accurate an	d correct to the best of my knowledge.

Well Log Number. 2004074

DNR 7802.05e

WELL LOG AND DRILLING REPORT
Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605

of 1 for this record.

Voice (614) 265-674	0 Fax (614) 265-6767 Fage 01 107 tills	7100014.
WELL LOCATION	CONSTRUCTION DETAILS	
	Drilling Method: AUGER	
County CUYAHOGA Township CLEVELAND	BOREHOLE/CASING (Measured from ground surface)	
,	Borehole Diameter 8.25 inches Depth 27	<u>′</u> ft
CHARLES MARTIN	Casing Diameter 2 in. Length 17 ft.Thickness	0.154 in
Owner/Builder	Borehole Diameterinches Depth	ft
3501 CROTON AVE	Casing Diameterin. Length ft.Thickness _	in
Address of Well Location		ft
City CLEVELAND Zip Code +4_, 44113	Casing Height Above Ground	
Permit No. Section; and or Lot No.	Type { 2:	
Use of Well_MONITOR	1. Threaded	
Coordinates of Well (Use only one of the below coordinate systems)	Joints 1: Threaded 2.	
State Plane Coordinates	SCREEN	
N	Diameter 2 in. Slot Size 0.01 in. Screen Length	10 ft
	Type MACHINE SLOTTED Material PVC	,-
S ☐ Y ft. Latitude, Longitude Coordinates		ft
Latitude: 41.48798 Longitude: 81.66517	oo bon on	'\
	GRAVEL PACK (Filter Pack) Material/ Size SILICA SAND Used 400 LBS.	
Elevation of Well in feet: +/ ft.	Size Size Osed Osed Osed Method of Installation Poured (gravity)	
Datum Plane: NAD27 X NAD83 Elevation Source		f
Source of Coordinates: GPS		г
Well location written description: INNERBELT STUDY SITE 57 Figure 6-23 MW*1	GROUT Vol/Wt. Material Bentonite dry granular Used 400 LBS.	
INNERBELT STUDY SITE 57 FIGURE 6-23 A MW 1		
J	Method of Installation Poured (gravity)	
	Depth: Placed From:15 ft. To:1	ft
·	DRILLING LOG*	
Comments on water quality/quantity and well construction:		UTEDED
Confinents on water quality/quantity and well construction.	FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTY	
	Color Texture Formation From	
	SAND 0	27
•		
WELL TEST *		
Pre-Pumping Static Level0 ft. Date		
Measured from		
Pumping test method gpm Duration of Test hrs.		
		-
*(Attach a copy of the pumping test record, per section 1521.05, ORC)		
ls Copy Attached? ☐ Yes		
PUMP/PITLESS		
Type of pumpgpm		
Pump set atft. Pitless Type		
Pump installed by	:	
I hereby certify the information given is accurate and correct to the best of my knowledge.		1
Drilling Firm H.A.D. INC.		1
Address 9797 BENNER RD		+
City, State, Zip RITTMAN OH 44270		
Signed SUSAN BROMLEY Date 7/25/2006		
	Aquifer Type (Formation producing the most water.) SAND	
ODH Registration Number		27ft.
CDIT Region and I remove		

DNR 7810.06

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0180029

Division of Water 2045 Morse Rd., Bldg B Columbus, OH 43229-6693

Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION				SITE #57 MW02
			ircle One or Both	
CountyCUYAHOGA	Township <u>CL</u>	EVELAND Se	ection/Lot Number	
Owner/Builder	CHARLES	MARTIN		
Circle One or Both	2504			IE
Address of Well Location	3501 Number		Street Name	JE
City CLEVELAND		Zin Code	44113	
Property Locationm	nilesn, e, s, w	of		
Description				n
on the	n, e, s, w	side of	road name	
Location of State Plane S				
Well in either:	Check ONE In Decim	□ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □ □	ft. or m Y Degrees Min. Sec.	ft.orm '' لـــــــــــــــــــــــــــــ
Latitude/Longitud	de Latitude	41.48798	Longitude	81.66517
Elevation of Well	+/ ft. or m Datu	m Plain: 🗌 NAD2	7 □ NAD83	
Source of Coordinates: GPS	☐ Survey ☐ Other			
			(circl	e one)
ORIGINAL WELL ODNR We	I Log Number200	04073	Copy attached? (Yes	o ⁾ No
THE A CUIDED CONCEDUCTION D	FTAIL O		6/04/2000	
MEASURED CONSTRUCTION D	EIAILS	Date of measurem	nents6/04/2009	
Depth of Well28'		Static Wat	ter Level25' casing	
Size of Casing 2"		Length of	casing	
Well Condition Good				
SEALING PROCEDURE _				
Method of PlacementT	remmie Grout			
			ealing Material	
			ut DF	
From	To		The state of the s	
Was Casing Removed? Yes	s or No			
	circle one)			
Condition of Casing Good				
Perforations: From				
From	To			
Date Sealing Performed6/0	4/2009			
Bate Soaming I enformed	Longer Needed			
Treason(s) for ocaling				
Described processing the least construction of the least construction				
CONTRACTOR		00115		
Name H.A.D., Inc. 9797 Benner	Road	ODH Regist	ration #	
Address State/Zip Rittman, Ohio				
Ony/State/Zip	THE STATE OF THE S			
Signature	1/1/ID			
Lhereby certify the information g	iven is accurate and correct to the	best of my knowledge.		•

WELL LOG AND DRILLING REPORT

Ohio Department of Natural Resources Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605

DNR 7802.05e

Well Log Number 2004073

Page 1 of 1 for this record. Voice (614) 265-6740 Fax (614) 265-6767 WELL LOCATION CONSTRUCTION DETAILS Drilling Method: AUGER Township CLEVELAND BOREHOLE/CASING (Measured from ground surface) County <u>CUYAH</u>OGA Borehole Diameter 8.25 inches Depth 2 in. Length 18 ft.Thickness 0.154 in. Casing Diameter____ **CHARLES** MARTIN Owner/Builder Borehole Diameter _____inches Depth _____ Casing Diameter___ 3501 CROTON AVE ____in. Length ____ ___ ft.Thickness ___ Address of Well Location Casing Height Above Ground ____ City CLEVELAND ___ Zip Code +4, 44113 Permit No. Section; _____ and or Lot No.__ Use of Well MONITOR Joints 9 Coordinates of Well (Use only one of the below coordinate systems) State Plane Coordinates SCREEN 2 in. Slot Size 0.01 in. Screen Length 10 Χ __ Diameter_ s 🗆 Y ___ Type MACHINE SLOTTED Material Latitude, Longitude Coordinates Set Between _____ 18 _ ft. and __ Longitude: 81.66573 Latitude: 41.48809 GRAVEL PACK (Filter Pack) Vol/Wt. Used 350 LBS. Material/ SILICA SAND Elevation of Well in feet: ___ Method of Installation Poured (gravity) Datum Plane: NAD27 X NAD83 Elevation Source Source of Coordinates: GPS Depth: Placed From: _____ ___ ft. To: ___ Well location written description: GROUT MWOZ INNERBELT STUDY SITE 57 Figure 6-23A Material_Bentonite pellets/chunks Used _ 400 LBS Method of Installation Poured (gravity) Depth: Placed From: ___ ft. To: _ DRILLING LOG* Comments on water quality/quantity and well construction: FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED. Color Texture Formation From To SAND 28 **WELL TEST *** 0 ft. Pre-Pumping Static Level ____ Date _ Measured from _ Pumping test method ____ Test Rate _____ gpm Duration of Test Feet of Drawdown _____ ft. Sustainable Yield *(Attach a copy of the pumping test record, per section 1521.05, ORC) Is Copy Attached?

Yes 🛛 No Flowing Well?
Yes X No PUMP/PITLESS Type of pump___ _ Capacity . Pump set at _____ft, Pitless Type_ Pump installed by I hereby certify the information given is accurate and correct to the best of my knowledge. Drilling Firm H.A.D. INC Address 9797 BENNER RD City, State, Zip RITTMAN OH 44270 Signed SUSAN BROMLEY Date 7/25/2006 (Filed Electronically) Aquifer Type (Formation producing the most water.) SAND 7/21/2006 Date of Well Completion ODH Registration Number

DNR 7810.06

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0187030

Division of Water
2045 Morse Rd., Bldg B
Columbus, OH 43229-6693
Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION	Control cannot be seen to be seen	anna markkanasta et angus silikasiana kamanigishingi garaigi kitaba ya yang silikasi sa kaman					SITE #57 MW03
						ne or Both	
County(CUYAHOG	Α	Township	CLEVELAND	_ Section	/Lot Number	
Owner/Builde Circle One or Bo			CHARLE	S MARTIN			
Address of W		:	3501			CROTON AVE	NUE
		Nur	nber			Street Name	100
CityC	LEVELAN	ID .		Zip Ce	ode —	44113	
Property Loca	ation	miles _	n. e. s. w	of		nearest inters	ection
Description		tha	.,, 5, 5,	side of	•		
	on	the	n, e, s, w	Side OI		road na	me
Location of	State Pla	ane s□ X		+/-	ft or	_ Y	+/ ft or n
Well in either:	OR	∫Ch	eck ONE In D	ecimal Degrees 🔲 I	Degrees Min	utes 🗌 Degrees Min.	Sec. +/ ft. or n
	(Latitude	/Longitude La	titude	41.488641		Longitude	81.665921
Elevation of W	Vell	+/-	ft. or m D	atum Plain: □ N	IAD27 [□ NAD83	
Source of Coo	ordinates: [∃GPS □	Survey ⊠ Ot	her	map		<i>()</i>
ORIGINAL WI	ELL O	ONR Well Log N	lumber	· · · · · · · · · · · · · · · · · · ·	(Copy attached? `	(circle one) Yes of No
MEASURED (CONSTRUC	TION DETAILS	S	Date of meas	urements	6/04/20	09
	0-1						•
Depth of Well	27'			Statio	Water Le	evel25	
Size of Casing	G00	d ·	,	Leng	ith of casir	ng _.	
vven Condition		<u> </u>					
SEALING PRO	CEDURE						
Method of Place	cement	Tremmie	Grout				
						g Material	Volume
Placement:	From	27'	_ To1'_		Grout DF		
	From		_ 10				
Was Casing R	emoved?	Yes or I	- \				
Condition of Ca	asing	Good	,				
Perforations:	From	a transfer	- ÎTo⇒* <u>-</u>				
	From		To				
Date Sealing P	Porformed	6/04/2009					
Reason(s) for S		No Longe			ATTENDED TO A STATE OF THE STAT		
			· · · · · · · · · · · · · · · · · · ·				
CONTRACTO	R						A VELOCIA DE LA CALCADA DE
Name	H.A.D			ODH R	egistratior	1 #	
Address		Benner Road	0				
City/State/Zip	KIIIM	an, Ohio 4427	U .				
Signature 2	Thursday	oformation alvan is an	Ourate and servest to	the best of my knowled	dae.		
// Her	iena ceima me n	normalion given is ac	ourate and correct to	THE DESCOLUTY KNOWIEC	.gc.		

DNR 7810.06

WATER WELL SEALING REPORT OHIO DEPARTMENT OF NATURAL RESOURCES

0180040

Division of Water 2045 Morse Rd., Bldg B Columbus, OH 43229-6693

Voice: (614) 265-6740 Fax: (614) 265-6767

LOCATION						1E#59 MW03
			<u> </u>	Circle One or Both		
County	CTAVELOC	Township	CLEVELAND	Section/Lot Num	nber	
Owner/Builde	r	PARK	ING LOT			
Circle One or Bot				CENTE	RAL VIADUCT	
Address of W		Number			et Name	NAME OF THE OWNER O
City	CLEVELAN	ND	Zin C	ode <u>44</u> 1	13	
Property Loca	tion —	ND miles n, e, s,	of	nea	rest intersection	
Description						
	on t	the N	side ot		road name	
Location of	State Pla	ane $s \square X $	+/-	4: au m. Y		+/ ft. or n
Well in either:	√ OR	ane s	n Decimal Degrees	Degrees Minutes Deg	rees Min. Sec.	7
	(Latitude/	/Longitude Latitude	41.493	Longitude	■ 81.68	503
Elevation of W	/ell	ft. or m	Datum Plain: 🗆 I	NAD27 🗆 NAD8	3	
Source of Coo	ordinates: [□ GPS □ Survey □	Other			
ORIGINAL WI	ELL OF	DNR Well Log Number	2004075	Copy atta	(circle one) ched? Yes or No	
MEASURED (CONSTRUC	CTION DETAILS	Date of mea	surements	6/16/2009	
Depth of Well	30'		Stati	ic Water Level	25'	
Size of Casing	2"	2d	Clan	ath of casing	20 '	
Well Condition	God	od				
SEALING PRO	CEDURE					
Method of Place		Tremmie Grout				
				Sealing Materia		/olume
Placement:		To				0 Gallons
		To				
	From	To				
Was Casing R	emoved?	Yes or No				
_		(circle one)				
Condition of Ca	-	Good				
Perforations:						
	From	To				
Date Sealing F	erformed	6/16/2009				
Reason(s) for		No Longer Needed				
	_					
CONTRACTO	R H.A.D) Inc	UU'I [Registration #		
Name Address	9797	Benner Road	ODN F	gisii ation #		
City/State/Zip	Rittm	an, Ohio 44270				
Signature	and in the second of the secon					
	reby certify the in	nformation given is accurate and corre	ct to the best of my knowle	edge.		

DNR 7802.05e

WELL LOG AND DRILLING REPORT
Ohio Department of Natural Resources
Division of Water, 2045 Morse Road, Columbus, Ohio 43229-6605
Voice (614) 265-6740 Fax (614) 265-6767

Well Log Number

2004075

Page 1 of 1 for this record.

WELL LOCATION	CONSTRUCTION DETAILS
	Drilling Method: AUGER
County CUYAHOGA Township CLEVELAND	BOREHOLE/CASING (Measured from ground surface)
	Borehole Diameter 8.25 inches Depth 27 ft
PARKING LOT	Casing Diameter 2 in. Length 17 ft.Thickness 0.154 in.
Owner/Builder	2 Borehole Diameterinches Depthft
CENTRAL VIADUCT	Casing Diameterin. Lengthft.Thicknessin.
Address of Well Location	Casing Height Above Groundft.
City CLEVELAND Zip Code +4 44113	Time of 1: PVC
Permit No Section; and or Lot No	Type { 2:
Use of Well MONITOR	loints 1: Threaded
Coordinates of Well (Use only one of the below coordinate systems)	Joints { 2:
State Plane Coordinates	SCREEN
N	Diameter 2 in. Slot Size 0.01 in. Screen Length 10 ft.
S	Type MACHINE SLOTTED Material PVC
Latitude, Longitude Coordinates	Set Between 27 ft. and 17 ft.
Latitude: 41.493 Longitude: 81.68503	GRAVEL PACK (Filter Pack) Vol/Wt. Size SILICA SAND Used 500 LBS.
Elevation of Well in feet: +/ ft.	Size SILICA SAND Used 500 LBS.
Datum Plane: NAD27 X NAD83 Elevation Source	Method of Installation Poured (gravity) Depth: Placed From: 27 ft. To: 15 ft
Source of Coordinates: GPS	
Well location written description:	GROUT Material Bentonite pellets/chunks Vol/Wt. Used 300 LBS.
INNERBELT STUDY SITE 59	Method of Installation Poured (gravity)
	Depth: Placed From:
	Depth: Placed From: π. 10: π.
	DRILLING LOG*
Comments on water quality/quantity and well construction:	FORMATIONS INCLUDE DEPTH(S) AT WHICH WATER IS ENCOUNTERED.
	Color Texture Formation From To
	FILL MATERIAL 0 2 GRAVEL AND SAND 2 13 CAND AND CLAY 12 27
WELL TEST *	
Pre-Pumping Static Level ft. Date	
Measured from	
Pumping test method	
Test Rategpm Duration of Testhrs.	
Feet of Drawdown ft. Sustainable Yield gpm	1
*(Attach a copy of the pumping test record, per section 1521.05, ORC)	
Is Copy Attached? Yes No Flowing Well? Yes No	
DUMP/DITI FOO	
PUMP/PITLESS	
Type of pumpgpm	`
Pump set atft. Pitless Type	
Pump installed by	
I hereby certify the information given is accurate and correct to the best of my knowledge.	
Drilling Firm H.A.D. INC.	
Address 9797 BENNER RD	
City, State, Zip RITTMAN OH 44270	
Signed SUSAN BROMLEY Date 7/25/2006 (Filed Electronically)	Assistant Time (F
•	Aquifer Type (Formation producing the most water.) SAND AND CLAY
ODH Registration Number	Date of Well Completion 7/17/2006 Total Depth of Well 27 ft.

APPENDIX C

Site# 20 Earl Lee Property – PCB Sampling



Technical Memorandum

Date:

July 30, 2009

To:

Mark Carpenter

From:

Seda Ergun

Subject:

Site # 20 Earl Lee Property PCB Sampling

This memorandum was completed in association with the Phase II Environmental Site Assessment (ESA) report being conducted as part of the ODOT Cleveland Innerbelt Project additional work described in the ODOT Inter-Office Communication dated April 4, 2007. The memorandum addresses the potential Polychlorinated Biphenyl (PCB) contamination at Site #20 (Earl Lee Property).

The site consists of a one-story brick building with a partial basement. The southern portion of the building is a newer addition and is occupied by a warehouse storage area, a mechanical room, and a large walk-in freezer. The vacant northern portion of the building is older and appears to be in a state of disrepair. Some structural damage, including water incursion, damage to floors and ceilings, and overall structural instability was observed. Additionally, scattered debris, trash, and decommissioned equipment were located in this area. The basement is located under the northern portion of the building.

Significant oil staining and leakage was observed in a basement compressor room in the northwest portion of the site building. The oil was sampled for PCBs in accordance with the United States Environmental Protection Agency's recommended procedures. Wipe samples CR-01, CR-02, CR-03, and CR04 were collected from representative areas of the room, using a 10x10 cm sampling template. These samples were submitted to EA Group Laboratory for analysis. Table 1 summarizes the analytical data results for the wipe samples, which indicate that no PCBs were detected. The full analytical report is included as Attachment A.

Tables

Table 1 Analytical Data Summary – PCB Wipe Samples

Attachments

A Analytical Data Report

ATTACHMENT A



URS Corporation 1375 Euclid Ave., #600 Cleveland, OH 44115 Peg Schuler

Client Project: Cleveland Innerbelt

EA Group Project Number: 090600356

Received on June 25, 2009

The following analytical report contains results as requested for samples submitted to EA Group. The results included in this report have been reviewed for compliance with the analytical methods indicated in this report. All data has been found to be compliant with accepted laboratory protocol, except as noted in the QC narrative. Industrial hygiene reports, air and/or surface concentrations results are based upon sampling information provided by the client. Industrial hygiene results will not be blank corrected. Analyst initials of REF indicate analysis performed at a subcontract facility.

If you have questions, comments or require further assistance regarding this report, please contact your client services representative or one of the individuals listed below.

Data or reporting:

Jeff Herbert - Lab Manager jherbert@eagroupohio.com

Debbie Lauer - Lab Supervisor dlauer@eagroupohio.com

Sample tracking, supplies:

Lisa Foose - Sample Control sreceiving@eagroupohio.com

Mike Herbert - Supervisor mherbert@eagroupohio.com

Invoice Related:

Bonnie Renbarger - Office Manager brenbarger@eagroupohio.com

Reproduction of this report is prohibited except in its entirety. Unless noted, soil, sludge and sediment results are reported on dry weight basis. The "Sample Reporting Limit" is based on the method used for analysis and does not refer to any regulatory limit. These results relate only to the items tested.



URS Corporation 1375 Euclid Ave., #600 Cleveland, OH 44115

Attention: Peg Schuler

Project IdentificationCleveland Innerbelt

Purchase Order: 15016633.00000

EA Group Order Number 0906-00356



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Cover sheet	Page(s)	1
Table of Contents	Page(s)	2
Analytical Results	Page(s)	3-11
7 thurst 1 to 5 th to	_	
Data Entry Batch Number Summary	Page(s)	12
PCB Analyses	Page(s)	13-16
1 OB Allalyses		
Chain of Custody & Sample Receipt Form	Page(s)	17-18
Affidavit	Page(s)	NA



Analytical Results



Laboratory Analytical Report

URS Corporation

1375 Euclid Ave., #600 Cleveland, OH 44115

Attention: Peg Schuler

Project Identification

Cleveland Innerbelt

Purchase Order: 15016633.00000

EA Group Order Number 0906-00356

Jeffrey A. Herbert Laboratory Manager

June 29, 2009



Sample Receive Date 6/25/2009

Sample Listing

EAG . Sample Identification	Client Sample Identification	EAG Sample Identification	Client Sample Identification	
	CR-01 CR-03	090600356 - 002 090600356 - 004		



EA Group Project Narrative

EAG Work Order Number: 0906-00356

Shipment Conditions / Sample Receipt:

There were no noted exceptions. Sample receipt temperature NA.

Sample Preparation:

Sample preparation proceeded normally.

Analytical Notes:

No issues

"REF" indicates analysis by a subcontract laboratory. The QC notes and above statements are assumed correct unless otherwise noted in samples sent out for subcontract analysis.

Quality Control Notes (these may not apply to all QC data batches for this work order):

MS/MSD: No issues LCS/LCSD: No issues Surrogates: No issues

Percent Moisture is used to report results on a dry weight basis.

All results listed for this report relate only to the samples submitted on this work order.

When necessary, reporting limits of individual samples may be raised due to high concentration of interfering compounds or target analytes, or quantity of sample available for analysis. Unless otherwise noted, surrogate recoveries outside listed control limits were affected by matrix interference.

p.H. method note: If this analysis was performed in the laboratory, it may not meet the "immediate analysis"

pH method note: If this analysis was performed in the laboratory, it may not meet the "immediate analysis" requirement that applies to most wastewater monitoring samples. In such cases, analysis for pH should be done at the time of sampling.

Data Flags Table:

The following is a listing of data qualifiers and their explanations, which may appear in the body of the report:

"B" indicates method blank contamination. The method blank contained a standard laboratory contaminant (Methylene Chloride, Acetone or Hexane) above the standard laboratory method detection limit and below the standard laboratory-reporting limit. The sample result is reported, but considered undetected.

"DIL" Due to matrix interference or high analyte concentration, a dilution was required and the result could not be quantitated.

"E" The analytical result for this sample as reported is above the higher limit of the calibration curve and should be considered an estimated concentration.

"J" Estimated result reported below the standard reporting limit and above the method detection limit.

"MI" Due to inherent matrix interference, the result could not be quantitated.

"NA" Not applicable.

"#" Indicates the reported result may be outside allowable permit levels as provided by the client, when applicable.



Matrix: Wipe

Analyst: LJM

Date Sampled:

Date Received: 06/25/2009

06/25/2009

EAG ID: 0906-00356-001

Client ID: CR-01

Client Project: Cleveland Innerbelt

	Reporting			Date
<u>Parameter</u>	Result	<u>Limit</u>	<u>Units</u>	<u>Analyzed</u>
PCB: SW846-8081				
Aroclor 1016	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1221	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1232	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1242	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1248	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1254	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1260	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1268	<2.0	2.0	ug/100 cm2	6/26/2009
Extraction: SW846-3580	Complete			6/25/2009

Surrogate	Percent <u>Recovery</u>	Recovery <u>Limits</u>
Tetrachloro-m-xylene	74.9	(50 - 150)
Decachlorobiphenyl	86.5	(15 - 150)



EAG ID: 0906-00356-002

Client ID: CR-02

Client Project: Cleveland Innerbelt

Matrix: Wipe

Analyst: LJM

Date Sampled:

06/25/2009

Date Received:

06/25/2009

	Reporting			<u>Date</u>
<u>Parameter</u>	Result	<u>Limit</u>	<u>Units</u>	Analyzed
PCB: SW846-8081				
Aroclor 1016	< 2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1221	< 2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1232	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1242	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1248	< 2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1254	< 2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1260	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1268	< 2.0	2.0	ug/100 cm2	6/26/2009
Extraction: SW846-3580	Complete			6/25/2009

Surrogate	Percent <u>Recovery</u>	Recovery <u>Limits</u>
Tetrachloro-m-xylene	76.4	(50 - 150)
Decachlorobiphenyl	86.5	(15 - 150)



EAG ID: 0906-00356-003

Client ID: CR-03

Client Project: Cleveland Innerbelt

Matrix: Wipe

Analyst: LJM

Date Sampled:

06/25/2009

Date Received:

06/25/2009

	Reporting			<u>Date</u>
<u>Parameter</u>	Result	<u>Limit</u>	<u>Units</u>	Analyzed
PCB: SW846-8081				
Aroclor 1016	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1221	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1232	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1242	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1248	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1254	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1260	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1268	<2.0	2.0	ug/100 cm2	6/26/2009
Extraction: SW846-3580	Complete			6/25/2009

Surrogate	Percent <u>Recovery</u>	Recovery <u>Limits</u>
Tetrachloro-m-xylene	81.8	(50 - 150)
Decachlorobiphenyl	85.6	(15 - 150)



EAG ID: 0906-00356-004

Client ID: CR-04

Client Project: Cleveland Innerbelt

Matrix: Wipe Analyst: LJM

Date Sampled:

06/25/2009

Date Received:

06/25/2009

	Reporting		Date
Result	<u>Limit</u>	<u>Units</u>	Analyzed
<2.0	2.0	ug/100 cm2	6/26/2009
< 2.0	2.0	ug/100 cm2	6/26/2009
< 2.0	2.0	ug/100 cm2	6/26/2009
<2.0	2.0	ug/100 cm2	6/26/2009
<2.0	2.0	ug/100 cm2	6/26/2009
<2.0	2.0	ug/100 cm2	6/26/2009
< 2.0	2.0	ug/100 cm2	6/26/2009
<2.0	2.0	ug/100 cm2	6/26/2009
Complete			6/25/2009
	<2.0 <2.0 <2.0 <2.0 <2.0 <2.0 <2.0 <2.0	Result Limit <2.0	Result Limit Units <2.0

Surrogate	Percent <u>Recovery</u>	Recovery <u>Limits</u>
Tetrachloro-m-xylene	84.1	(50 - 150)
Decachlorobiphenyl	89.6	(15 - 150)



Data Entry Batch Number Report

EAG Workorder: 090600356

Client: URS Corporation

Client Project: Cleveland Innerbelt

EAG ID	Client ID	Parameter	Data Entry Batch
001	CR-01	PCB: SW846-8081	090772
002	CR-02	PCB: SW846-8081	090772
003	CR-03	PCB: SW846-8081	090772
004	CR-04	PCB: SW846-8081	090772



PCB Analyses

Sample Summary	Page(s)	14
Method Blank Summary		15
LCS (LCS/LCSD) Summary		16
MS/MSD Summary		NA



EAG Workorder: 090600356 **Client:** URS Corporation

Client Project: Cleveland Innerbelt

PCB Analyses Sample Summary

EAG Sample ID	Client SampleID
0906-00356-001	CR-01
0906-00356-002	CR-02
0906-00356-003	CR-03
0906-00356-004	CR-04



Method Blank QC Report

EAG Workorder: 090600356

Client: URS Corporation

Client Project: Cleveland Innerbelt

QC Type: Method Blank

Matrix: Wipe

Data Entry Batch: 090772

		Reporting		Date
<u>Parameter</u>	Result	Limit	<u>Units</u>	Analyzed
Aroclor 1016	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1221	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1232	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1242	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1248	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1254	<2.0	2.0	ug/100 cm2	6/26/2009
Aroclor 1260	<2.0	2.0	ug/100 cm2	6/26/2009
	Percent		Control	
<u>Surrogate</u>	Recovery		<u>Limits</u>	
Decachlorobiphenyl	95.2		(15 - 150)	
Tetrachloro-m-xylene	96.3		(50 - 150)	



Laboratory Control Spike QC Report

EAG Workorder: 090600356

Client: URS Corporation

Client Project: Cleveland Innerbelt

QC Type: LCS/LCSD

Matrix: Wipe

Data Entry Batch: 090772

WINDOWS TO THE PARTY OF THE PAR						
	Spike Percent	Spike Percent	Control		RPD Control	Date
<u>Parameter</u>	Recovery	Recovery	Limits	RPD	<u>Limits</u>	Analyzed
Aroclor 1260	97.1	97.3	(50 - 150)	0.2	(0-20)	6/26/2009
	Percent	Percent	Control	nnn	Co	PD ntrol
<u>Surrogate</u>	Recovery	Recovery	<u>Limits</u>	<u>RPD</u>	<u>Li</u>	<u>mits</u>
Decachlorobiphenyl	95.4	95.6	(15 - 150)	0.2	(0-	-20)
Tetrachloro-m-xylene	95.7	94:8	(50 - 150)	0.9	(0-	-20)



Sample Receipt Confirmation

June 25,2009

URS Corporation Peg Schuler

Client Project: Cleveland Innerbelt EA Group Project Number: 090600356

Shipped Via: Client Checked By: LAF

			/ <u></u>	Comment / Action Taken
Were coolers sealed? (tape or custody seals)	Y	N	(N/A)	
Was a Chain of Custody form included?	(Y)	N		
Was the Chain of Custody signed and dated?	(1)	N		
Was the client & project name identified and legible	(Y)	N		
Were sample containers intact?	$\langle Y \rangle$	N		
Were the sample labels intact and legible?	\bigcirc	N	N/A	
Did the samples match the Chain of Custody?	\bigcirc	N		
Were the correct sample containers / preservatives used?	$\langle \Sigma \rangle$	Ν		
Is there sufficient sample volume for the requested analysis?	$\langle Y \rangle$	N		
Did the samples arrive within holding time?	$\langle \overline{X} \rangle$	N		
Was the pH tested on preserved water samples?	Y	N	(N/A)	
Was any preservative added at login?	Y	N	AV/A	* .
Were air bubbles present in VOA water samples?	Y	N		
For 8260B / 5035 samples, was an Encore or Terracore provided?	Y	N	N/A	
For above analysis, was a container provided for moisture?	Y	N		
Type of ice used - wet ice packs dry ice (none)		_		V 2
Were any samples frozen?	Y	N		WIDED
Temperature of samples C				, -

If samples were submitted in multiple coolers, complete section below:

bill #	Temp	Cooler Description



7118 INDUSTRIAL PARK BLVD. MENTOR, DHID 44060-5314 (AQ1) 951-3514 FAX (440) 951-3774 (800) 875-3514

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EAG WORK ORDER #

PAGE

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COOLER TEMP:		SAMPLE REMARKS:	CONDITION, ETC			AND COLUMN AND ADDRESS OF THE COLUMN ASSESSMENT AND ADDRESS OF THE COLUMN ASSESSMENT ASS			scholere us corr.	3		
ANALYSIS REQUESTED									X Email Results (.pdf) Deggy - Schule	Additional Comments / Method Płofocol:	U VAF	OTHER
	(Z8	28) 85		X X	× -	X			☐ Fax Results	Pate/Time	Date/Time	Date/Time
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TURN	Matrix	Water - W Liquid - L Solid/Soil - S Sludge - SL Other - Specify	COLLECTION COLLECTION TIME DATE	930	955	000			,	ed by (sight)	(sigh)′	(sign)
·	SJ174(66) 20 4/11 2		MATRIX	V	8	N				Beceived by	Regelyed by (sight)	Received by (sign)
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Company Name	Report Address City (C.V.) Billing Address City	Project Name C	And the second section of the second section of the second section sec	3 3	40	7			Method of shipment:	Relinquished by (sign)	Refinduished	Relinquished by (sign)

GREEN - CUSTOMER

Table 1 Analytical Data Summary - PCB Wipe Samples Cleveland Innerbelt Study Cleveland, Ohio

_ Parameter	Units	0906-00356-001 CR-01 6/25/2009	0906-00356-002 CR-02 6/25/2009	0906-00356-003 CR-03 6/25/2009	0906-00356-004 CR-04 6/25/2009
Aroclor 1016	µg/100 cm ²	2 U	2 U	2 U	2 U
Aroclor 1221	µg/100 cm ²	2 U	2 U	2 U	2 U
Aroclor 1232	µg/100 cm ²	2 U	2 U	2 U	2 U
Aroclor 1242	µg/100 cm ²	2 U	2 U	2 U	2 U
Aroclor 1248	μg/100 cm ²	2 U	2 U	2 U	2 U
Aroclor 1254	µg/100 cm ²	2 U	2 U	2 U	2 U
Aroclor 1260	μg/100 cm ²	2 U	2 U	2 U	2 U
Aroclor 1268	μg/100 cm ²	2 U	2 U	2 U	2 U

U = The analyte was analyzed for, but was not detected. Value shown is the sample reporting limit.

APPENDIX D

Site #45 Harold Moss Property – Regulated Materials Survey



Technical Memorandum

Date:

July 30, 2009

To:

Mark Carpenter

From:

Seda Ergun

Subject:

Site #45 Harold Moss Property Regulated Materials Survey

This memorandum was completed in association with the Phase II Environmental Site Assessment (ESA) report being conducted as part of the ODOT Cleveland Innerbelt Project additional work described in the ODOT Inter-Office Communication dated April 4, 2007. The memorandum addresses potential regulated materials storage at Site #45 (Harold Moss Property/Mutual Display Company). On June 9, 2009, URS conducted an interior reconnaissance of the site, located at 1748 East 27th Street in Cleveland, Ohio. The purpose of this effort was to identify any regulated materials remaining in the building and this. All accessible areas of the building were evaluated, and observations of building contents and regulated materials were documented. These activities are summarized below.

Site Description

The building is constructed of brick on a concrete foundation. Interior finishes consist of brick, concrete block, wood, and drywall, with regularly spaced brick pillars. The building consists of three floors, a basement, and a warehouse/loading dock area that extends out of the northwest portion of the building. Building access is through overhead doors along the east side of the loading dock area and through various man doors. The roof is a flat, built-up design with a gravel-covered rubber membrane. The building's structure appears sound; however, some water damage was observed on wooden floors and ceilings.

Site Reconnaissance

Jennifer Shepard of URS and Amy Singer of Mutual Display Company conducted a site walk through the building on June 9, 2009. Photographs taken to document Site conditions can be found in Appendix A. The site was formerly used for sales of commercial decorative displays and various other advertising materials. Although the sales operations have ceased, a large amount of materials remain stored throughout the building.

The survey included the basement, each of the three main floors, and the warehouse/loading dock area. Access to the building was from the loading dock area at the northwest portion of the building. The walk though was conducted from the basement up through the main floors, and then through the warehouse/loading dock area. Access to each floor was by the northern stairwell.

Some of the fiberglass insulation that covered the ceiling and walls of the building was observed to be in disrepair. Materials observed include paint, solvents, and various maintenance chemicals. Other items observed include fluorescent light ballasts, halogen light bulbs, and thermostats, which are potentially mercury-containing, window air conditioning units and water fountains, which contain R-22 Freon coolant, and fire extinguishers, which may contain chlorofluorocarbons. Photographs of the interior and exterior of the Site are

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included as **Attachment A**. A detailed description of each floor of the structure, as well as a material inventory, is presented below.

Basement

The basement was accessed from the north stairwell. The basement is used for storage of various display materials. At the time of the site reconnaissance the area was filled with numerous boxes and bags of varying condition. The large volume of materials caused some areas of the basement to be inaccessible. Potential hazardous materials observed include the following:

- Eleven 48-inch fluorescent light ballasts;
- Six halogen light bulbs; and
- Two fire extinguishers.

Floor 1

Floor 1 was accessed from the north stairwell. Stored display materials and various scattered debris were observed throughout this floor. Offices were located at the east end of the floor. Potential hazardous materials observed include the following:

- Twenty-five 96-inch fluorescent light ballasts;
- Five 48-inch fluorescent light ballasts;
- Two halogen light bulbs;
- Three window air conditioner units;
- Two thermostats;
- Two fire extinguishers; and
- One water fountain.

Floor 2

Floor 2 was accessed from the north stairwell. Stored display materials and various scattered debris were observed on shelves and on the ground throughout this floor. Potential hazardous materials observed include the following:

- Forty 96-inch fluorescent light ballasts;
- Twenty 48-inch fluorescent light ballasts;
- Two halogen light bulbs;
- Four window air conditioner units;
- Two thermostats; and
- Four fire extinguishers.

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Floor 3

Floor 3 was accessed from the north stairwell. Stored display materials and various scattered debris were observed on shelves and on the ground throughout this floor. Potential hazardous materials observed include the following:

- Forty-one 96-inch fluorescent light ballasts;
- Fourteen 48-inch fluorescent light ballasts;
- Five halogen light bulbs;
- Four window air conditioner units;
- Two thermostats; and
- Two fire extinguishers.

Warehouse/Loading Dock Area

The warehouse/loading dock area was accessed from the exterior door along the northeast wall of the building. The northern portion of this area was formerly a loading dock. At the time of the site visit, various scattered debris was observed in the area, including cardboard boxes, furniture, bricks and other building materials, and trash bags. The southern portion of the area is used for storage and maintenance. A paint booth, several shelves of painting supplies, and a flammable storage room are all located in this area. A significant amount of staining and leaking paint was present in the flammable storage room. Potential hazardous materials observed include the following:

- Twenty-five 96-inch fluorescent light ballasts;
- Five 48-inch fluorescent light ballasts;
- Two halogen light bulbs;
- Two fire extinguishers;
- Approximately seventy 1-gallon cans of paint;
- Approximately forty-five 5-gallon buckets of paint;
- Approximately fifty aerosol cans of spray paint;
- Seven 1-gallon cans of paint thinner;
- Four 5-gallon buckets of paint thinner;
- Two 1-gallon containers of antifreeze;
- Five 1-gallon containers of Sheffield Bronzing Liquid;
- Two 5-gallon buckets of Super Westone Dustless Cleaning Agent;
- Four 1-gallon containers of Black Jack Crack Sealer;

URS

- Two unlabeled 55-gallon drums with unknown contents (both appeared to be partially full); and
- Small amounts (1 gallon or less) of various lubricants, adhesives, and several household cleaner.

Attachments

A Photo Log

ATTACHMENT A



Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, Ohio **Project No.** 15016633

Photo No.

Date: 6/9/09

Description:

Site, facing northwest.

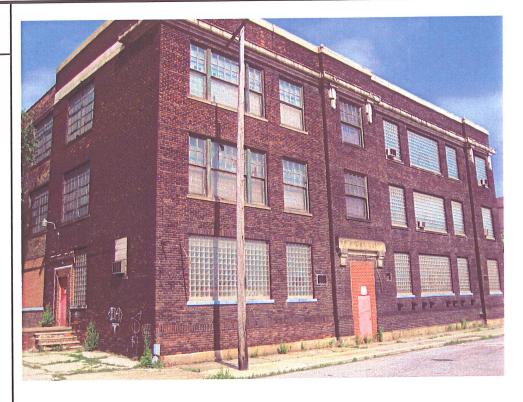


Photo No.

Date: 6/9/09

Description:

Site, facing south.





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, Ohio **Project No.** 15016633

Photo No.

Date: 6/9/09

Description:

Basement, general view.



Photo No.

Date: 6/9/09

Description:

Basement, general view.





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, Ohio **Project No.** 15016633

Photo No.

Date: 6/9/09

Description:

Floor 1, general view.

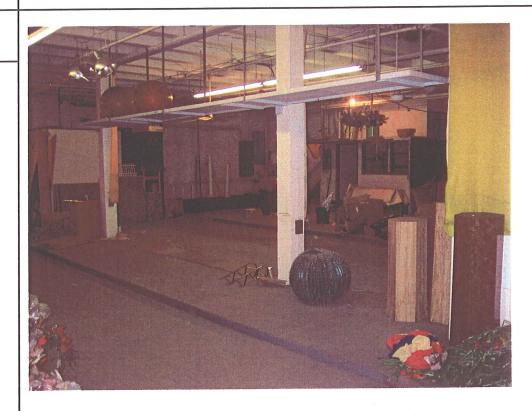


Photo No.

Date: 6/9/09

Description:

Floor 1, general view.





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, Ohio **Project No.** 15016633

Photo No.

Date: 6/9/09

Description:

Floor 2, general view.

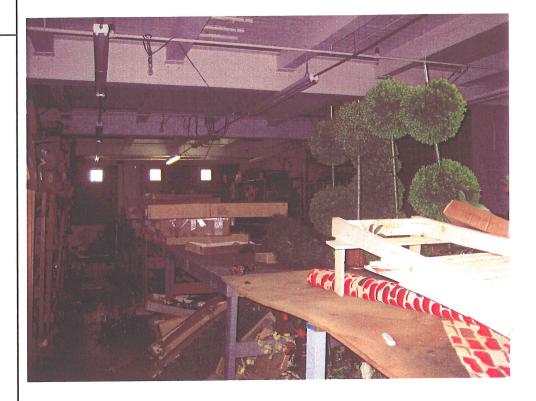


Photo No.

Date: 6/9/09

Description:

Floor 2, general view.





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, Ohio

Project No. 15016633

Photo No.

Date: 6/9/09

Description:

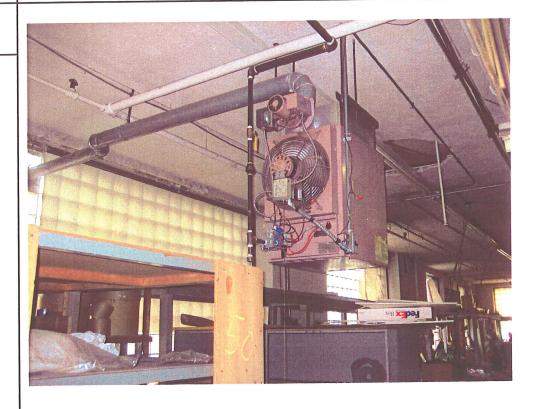
Floor 3, general view.



Photo No. 10 **Date:** 6/9/09

Description:

Floor 3, general view.





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, Ohio **Project No.** 15016633

Photo No.

Date: 6/9/09

Description:

Paint booth in warehouse.



Photo No.

Date: 6/9/09

Description:

Painting/maintenance area in warehouse.





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, Ohio

Project No. 15016633

Photo No. 13 **Date:** 6/9/09

Description:

Flammable storage room in warehouse (note staining and leaking paint on floor).

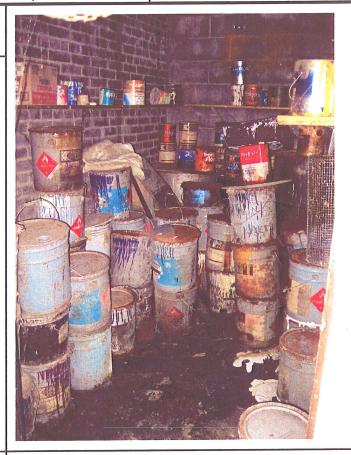
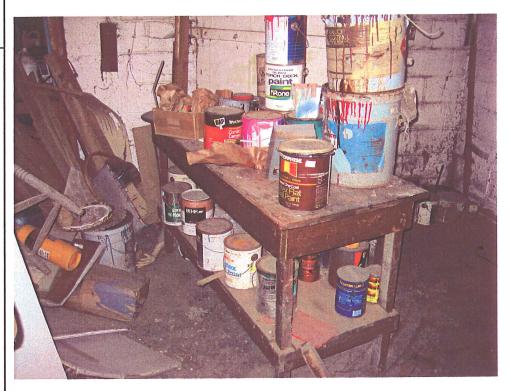


Photo No. 14 **Date:** 6/9/09

Description:

Paint storage outside of flammable storage room.





Client Name:

The Ohio Department of Transportation

Site Location: Cleveland, Ohio Project No. 15016633

Photo No. 15 **Date:** 6/9/09

Description:

Flammable storage cabinet in warehouse.

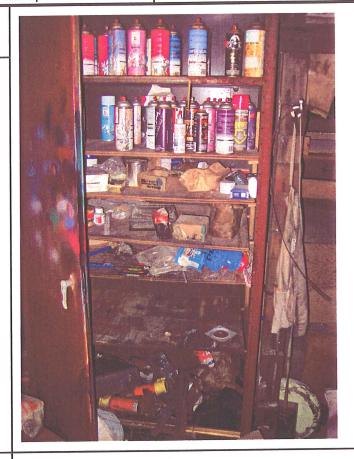
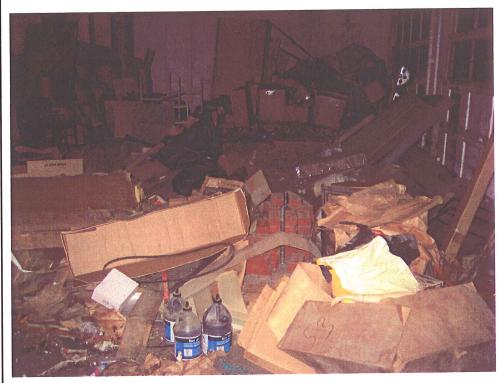


Photo No.

Date: 6/9/09

Description:

Loading dock with scattered debris.





Site #17 Terminal Oil & Site #19 Gillota Fuel Products – Groundwater Elevation Map

URS

Technical Memorandum

Date:

July 30, 2009

To:

Mark Carpenter

From:

Seda Ergun

Subject:

Site #17 Terminal Oil & Site #19 Gillota Fuel Products

Groundwater Elevation Map

This memorandum was completed in association with the Phase II Environmental Site Assessment (ESA) report being conducted as part of the ODOT Cleveland Innerbelt Project additional work described in the ODOT Inter-Office Communication dated April 4, 2007. The memorandum addresses the groundwater elevation in the vicinity of Site #17 (Terminal Oil) and Site #19 (Gillota Fuel Products). The groundwater elevation data were collected from six monitoring wells that included two of the wells on Site #17, one well from Site #19, and three wells from two surrounding properties, Site #18 (Cleveland Fire Station) and Site #59 (Central Viaduct Parking Lot). The work took place on June 16, 2009.

A temporary benchmark established on the eastern curb of the Central Viaduct, adjacent to well 59-MW-03. The benchmark was assigned an elevation of 100 feet and all wells were surveyed relative to this elevation on June 16, 2009.

The water levels measured from available wells are provided in **Table 1**.

Well	Top of Casing	Depth to	Water	
	Elevation (feet)	Water	Elevation	
		(feet)	(feet)	
17-MW-03	62.01	10.58	51.43	
17-MW-04	62.85	10.7	52.15	
18-MW-01	63.18	9.22	53.96	
18-MW-02	100.82	23.38	77.44	
19-MW-01	97.77	28.8	68.97	
59-MW-03	89.89	21.28	68.61	

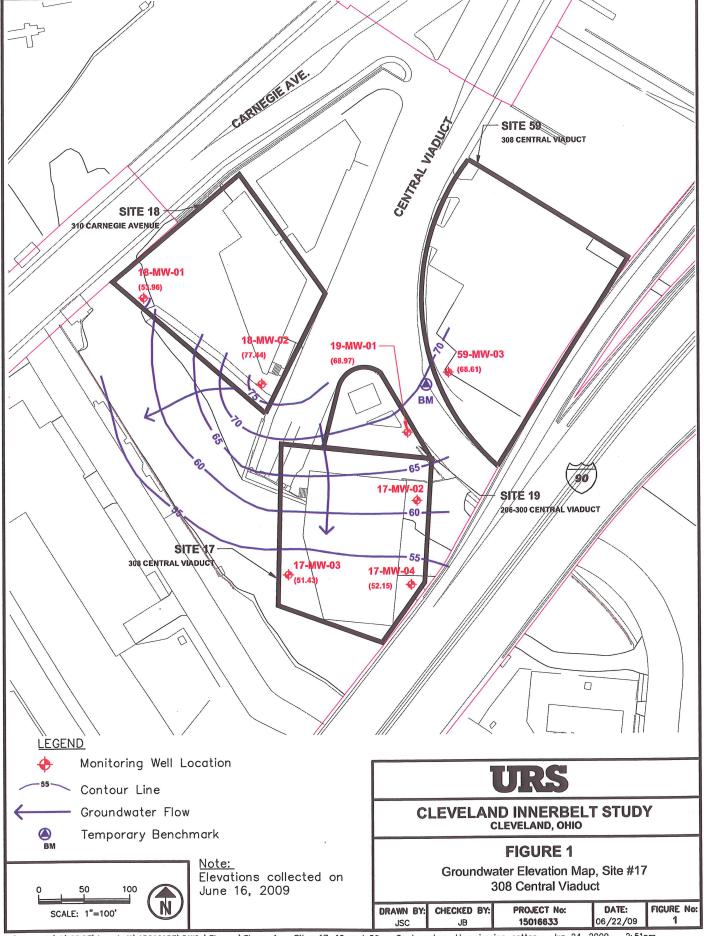
Each of the above monitoring wells was abandoned on June 16, 2009 in accordance with state regulations following the completion of the water level survey.

A groundwater contour map was generated from the water level data and is provided as **Figure 1**. The contour map shows that a relative steep hydraulic gradient of 0.2 feet/foot exists from wells 18-MW02, 19-MW-01 and 59-MW-03 located at the top of the hill to 17-MW-03 and 17-MW-04 at the base of the hill. This gradient pattern is consistent with both the topography and the presence of the Cuyahoga River to the west that would function as a regional groundwater discharge feature.

List of Attachments

A Figure 1 - Groundwater Elevation Map

ATTACHMENT A



-			
F			
Transmission			