### **APPENDICES**

# Appendix 2 ASTI Boring / Monitoring Wells

#### Applied Science & Technology, Inc. 9404 Maltby Drive Brighton, MI 48116

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State	Michigan	She Address:	Boring #	
County	Jackson	Aggregate Industries	Well #	MW-1
Town/Range	T2S, R3E	Loveland Road	Project#	5095
Section	6	Waterloo Township, MI	Date:	8/19/02
Drilled by	Cook Drilling	CASING DATA	WELL LO	CATION
Tech/Geol	Allison Jerris	Diameter		***************************************
Method	Drill Rig	Length		_
Grout		Туре		•
Developed				
Well Yield		SCREEN DATA	DISPOSALI	METHOD
Miss Dig #		Mfgr	***************************************	VIII-01010-1
Weather		Slot		
		Mtrl		
WATER L	EVELS	ELEVATIONS Length		
From G L		Ground From	***************************************	
From TOC		Of TOC To		

				lae	if Spoon Date	
Dep From	th To	Description	Depth	% Rec'd	OVA-PID VOC's (PPM)	Blow Cints Per 2 Feet
9,5'	11.5'	sand, brown, coarse, w/gravel,		40		7,14,13,13
		saturated				7,11,10,10
14.5'	16.5'	sand, brown, medium to coarse,		80		11,12,17,12
	,	w/rocks, saturated				1,
19,5'	20.5'	sand with silt, gray, moist		80		3,3,3,5
24.5'	26.5'	sand, brown, coarse, w/silt, brown		20		
		saturated				
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State County Town/Range Section	Michigan Jackson T2S, R2E	Aggregate Industries Loveland Road Waterloo Township, MI	Boring # Well # Project # Date:	MW-2 5095 8/20/02
Drilled by Tech/Geol Method Grout Developed	Cook Drilling Allison Jerris 4.25" HSA	CASING/DATA Diameter Length Type	WELL LOC	ATION
Well Yield Miss Dig # Weather  WATER: From G L From TOC	EVELS	SCREEN DATA  Mfgr Slot Mtrl  ELEVATIONS Length  Ground From Of TOC To	DISPOSAL	METHOD:

			Split Spoon Data						
Dep	th	Description		%	OVA-PID				
From	То		Depth	Rec'd	VOC's (PPM)	Per 2 Feet			
0	8	Sand, fine, It brown, few pebbles							
9.5'	11.5'	sandy clay, moist, w/pebbles		30		2,1,1,1			
14.5'	16.5'	sand, brown, coarse, saturated		100		3,3,6,5			
19.5'	21.5'	sand, coarse, saturated, w/gravel		100					
24.5'	26.5'	sand with silt, pebbles, saturated		100		5,6,6,7			
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State County	Michigan Jackson	Aggregate Industries  Boring #  Well #	
Town/Range Section	T2S, R2E 12	Loveland Road Project #	5095
Drilled by Tech/Geol	Cook Drilling Tracy Johns	CASINGIDATA WELL Diameter	ologyrioty, salat
Method	4.25" HSA	Length	
Grout Developed		Туре	
Well Yield		SCREEN DATA	
Miss Dig #		Mfgr	EMESTALIONE SELE
Weather		Slot Mtrl	
PAWATERI	EVEUS	ELEVATIONS Length_	
From G L From TOC		Ground         From           Of TOC         To	

			Split Spoon Data						
Dep	th	Description		% :-					
	To		Depth	Rec'd	VOC'S (PPM)	Per 2 Feet			
4.5'	6.5'	sand, It brown, w/gravel				7,6,4,3			
		sand, gray, fine at top							
9.5'	11.5'	sand, brown, fine, w/pebbles				8,8,6,4			
13.5'	15.5'	sand, It brown, coarse,				3,4,3,2			
		w/pebbles, saturated							
18.5'	20.5'	sand, very coarse, pebbles, cobbles				5,3,4,3			
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tate ounty own/Range ection	Michigan Jackson T2S, R2E	Aggregate Industries Loveland Road Waterloo Township, M	a Addrass:		Boring# Well# Project# Date:	MW-4 5095 8/19/02
rilled by ech/Geol lethod rout eveloped	Cook Drilling Allison Jerris 4.25" HSA	Diameter Length Type	CASING DA	A	WELLLOC	ATION
/ell Yield liss Dig# /eather			SCREE Mfgr Slot Mtrl	NDATA	DISPOSALI	METHOD
WATER rom G L rom TOC	LEVELS	Ground Of TOC	Length From To			

				Spli	Spoon Data	
Dept	h	Description		9/4	OVA-PID	Blow C'nts
From	To		Depth	Rec'd	VOC's (PPM)	Per 2 Feet
4.5'	5.5'	sand, brown, fine, w/pebbles		80		3,2,3,2
5.5'	6.5'	sand, reddish brown, medium to				
		coarse, w/pebbles				0.040
5'	11.5'	sand, light brown w/black mineral chips,		20		3,3,4,3
		coarse, w/gravel				2442
14.5'	16.5'	sand, brown and black, coarse		20		3,4,4,3
19.5'	21.5'	sand, brown and black, coarse, moist				4,5,6,5
24.5'	26.5'	sand, brown and black, coarse, moist				11,11,10,9
29.5'	31.5'	sand, light brown, coarse, w/rocks		5		3,4,11,7
		w/sand, Itight brown, medium				
		lenses, some clay				44 47 49 40
34.5'	36.5'	sand, black and brown, coarse,				11,47,18,19
		dry, w/cobbles				6 6 10 11
39.5'	40,5'	sand, coarse, saturated		80		6,6,10,11
40.5'	41'	sandy clay, brown, w/sand, reddish				
		brown lenses, moist				
41'	41.5'	silty clay, gray, dry, w/pebbles				
44.5'	47'	sand, gray, fine, w/sand, coarse		100		
		lenses, saturated				
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\* = lab samples

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Brighton, MI 48116

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State Michigan Site Address.	Boring #	
County Jackson Aggregate Industries	Well#	MW-5
Town/Range T2S, R2E Loveland Road	Project#	5095
Section 12 Waterloo Township, MI	Date:	8/20/02
Drilled by Cook Drilling CASING DATA	WELLILO	CATION
Tech/Geol Allison Jerris Diameter		
Method 4.25" HSA Length		
Grout Type		
Developed		
Well Yield SGREEN DATA	DISPOSALY	METHOD
Miss Dig # Mfgr		
Weather Slot		
Mtrl		
WATER LEVELS ELEVATIONS Length		
From G L Ground From		
From TOC Of TOC To		

Services Services		Description	Split Spoon Data % OVA PID Blow Cints			
Depth					OVA-PID	Blow Cints
From	То		Depth	Rec'd	VOC's (PPM)	Per/2 Feet
0	14	Sand and gravel, coarse, dry				
14.5'	16.5'	sand, coarse, rocks		15		10,9,11,12
24.5'	26.5'	sand, light brown, fine, dry		90		9,16,20,19
34.5'	36.5'	sand, multicolored, medium,		50		8,9,10,6
		wet, w/rocks				
39.5'	40.5'	sand, brown, medium, saturated		100		7,8,18,22
40.5'	41.5'	sand, gray, fine, saturated				
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