ISLIP RESOURCE RECOVERY AGENCY 401 MAIN STREET, ISLIP, NEW YORK 11751 (631) 224-5644



- 3

December 20, 2004

New York State Department of Environmental Conservation Division of Environmental Remediation Bureau of Construction Services, 12th Floor 625 Broadway Albany, New York 12233-7013

Attn: Jeffrey E. Trad, P.E.

Environmental Engineer 2

Re: Sonia Road Landfill

NYSDEC Site Number 152013

Post Closure Groundwater Monitoring Program

Well Condition Report

4th Quarter 2004

Dear Mr. Trad:

Transmitted herewith for your review and consideration is one copy of the following Post Closure Groundwater Monitoring Program Quarterly Sampling Results for the Sonia Road Landfill:

1. 4th Quarter 2004 Well Condition Report

As always, please do not hesitate to contact my office with any questions regarding the aforementioned.

Sincerely,

Francis D. Ribaudo, P.E. Associate Engineer

encl.

cc: Eric M. Hofmeister, President

Alan R. Sanchez, Vice-President of Operations w/encl.

Paul J. DiMaria, P.E., Chief Engineer

Kenneth P. Wenz, Jr. C.P.G.

File



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December 16, 2004

Paul J. DiMaria, P.E. Chief Engineer Islip Resource Recovery Agency 401 Main Street Islip, NY 11751

Re: Sonia Road Landfill

Post-closure Groundwater Monitoring Program

Well Condition Report D&B No. 2023-10B

Dear Mr. DiMaria:

This letter provides the fourth quarter 2004 Well Condition Report for the Sonia Road Landfill. The report consists of Table 1, which presents a summary of monitoring well status and deficiencies along with recommendations. Wells which require attention have been shaded on the table. In addition, individual monitoring well inspection checklists are included.

If you have any questions or require additional information, please call me at (516) 364-9890.

Very truly yours,

Kenneth P. Wenz, Jr., CPC

Senior Associate

KPW/ajm,ld Enclosure

cc: Francis Ribaudo (IRRA)

Keith Robins (D&B)

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Table 1
SONIA ROAD LANDFILL
POST CLOSURE GROUNDWATER MONITORING PROGRAM
SUMMARY OF MONITORING WELL STATUS AND DEFICIENCIES
41H QUARTER SAMPLING (2004)

				Ponding of Water	Protective Flush-Mounted Cover/Standpipe Cover	h-Mounted ipe Cover		Survey			
	Su	Surface Concrete Seal	ete Seal	Around	and Lock	, ck	Well	Measuring	Well		
Well Designation	Intact	Cracked	Missing	Concrete Seal	Cover/Pipe – Intact	Lock – In Place	Casing Alignment	Point Clearly Marked	Clearly Labeled	Well is Protected	Remarks and Recommendations
MW-1S	Yes			No	Yes	Yes	Straight	Yes	Yes	Yes	Shifting well case (6)
MW-1I	Yes			No	Yes	Yes	Straight	Ÿes	Yes	Yes	(9)
MW-1D	Yes			No	No	Yes	Straight	Yes	Yes	Yes	Flush-mount cover missing ⁽⁶⁾
MW-2S	S9X A			Š.	Yes	Yes	Bent @ 23* below ground surface	sə.A	Yes	Yes	Cannot be sampled due to bent or disconnected casing ⁽⁵⁾
17-MM	Yes			No	0/4	Yes	Straight ⁽³⁾	sə _A	Yes	Yes	Reconnect casing and cut PVC below grade - resurvey
MW-2D	Yes			No	Yes	Yes	Straight	Yes	Yes	Yes	
MW-3S			Not visible	No	Yes	Yes	Straight	SəX	Yes	Yes	
MW-3I			Not visible	No	Yes	Yes	Straight	Yes	Yes	Yes	
MW-3D	Yes			No	Yes	Yes	Straight	Yes	Yes	Yes	
MW-4S	Yes			No	Yes	Yes	Straight	SəX	Yes	Yes	
MW-4I	Yes			No	Yes	Yes	Bent to SW	Yes	Yes	Yes	
MW-4D	Yes			No	Yes	Yes	Bent to SW	Yes	Yes	Yes	
MW-5\$	Yes			No	Yes	Yes	Straight	$ar{\mathbf{Y}}$ es	No	Yes	Labelwell
MW-51	Yes			No	Yes	Yes	Straight	Se A	On cap	Yes	Label well (not cap)
MW-5D	Yes			No	Yes	Yes	Straight	Yes	On cap	Yes	Label well (not cap)
MW-6S	Yes			No	$ m Yes^{(1)}$	Yes	Straight	Yes	εeλ	No	Replace concrete pad
I9-MW	Yes			No	${f Yes}^{(2)}$	Yes	Bent to E	Yes	Yes	No	Replace concrete pad
MW-6D	Yes			No	$ m Yes^{(2)}$	Yes	Bent to E	Yes	Yes	No	Replace concrete pad
SL-WM	Yes			Yes	Yes	Yes	Bent to NE	SəK	Yes	Yes	

Table 1 (continued)

SONIA ROAD LANDFILL POST CLOSURE GROUNDWATER MONITORING PROGRAM SUMMARY OF MONITORING WELL STATUS AND DEFICIENCIES 4TH QUARTER SAMPLING (2004)

	lations			oint			***	. /	-					:			. 4	
	Remarks and Recommendations			Clearly mark measuring point			Label well casing (7)(10)	Label well casing ⁽⁷⁾	Label well casing ⁽⁷⁾ (8)	Label well casing	Label well casing	Label well casing	Label well casing	Label well casing	Label well casing	Label well casing	Label well casing ⁽⁹⁾	Label well casing
	Well is Protected	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Well	Clearly Labeled	Yes	Yes	Yes	Yes	Yes	On cap	On cap	On cap	On cap	On cap	On cap	On cap	On cap	On cap	On cap	No	No
Survey Measuring	Point Clearly Marked	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Well	Casing Alignment	Bent to NE	Bent to SE	Straight	Straight	Straight	Straight	Bent to SE	Straight	Straight	Straight	Straight	Straight	Straight	Straight	Straight	Straight	Straight
e Flush-Mounted tandpipe Cover ind Lock	Lock – In Place	Yes	Yes	s ₂ X	Yes	Yes	Yes	Yes	Yes	səA	Yes	Yes	səA	soX	Yes	, Xes	Yes	Yes
Protective Flush-Mounte Cover/Standpipe Cover and Lock	Cover/Pipe – Intact	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	sə X	seλ	Yes	Yes
Ponding of Water Around	Concrete Seal	$Yes^{(4)}$	Yes	$\Lambda_{\mathbf{e}^{\mathbf{S}}}^{(q)}$	Yes ⁽⁴⁾	Yes ⁽⁴⁾	No	No	Yes ⁽⁴⁾	No	Yes(4)	No	Yes ⁽⁴⁾	Yes ⁽⁴⁾	$ m Yes^{(4)}$	No	No	No
te Seal	Missing												Not visible	Not visible	Not visible	Not visib ic		Not visible
Surface Concrete Seal	Cracked														•		Yes	1
nS	Intact	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes				.		
	Well Designation	IV-WM	MW-7D	MW-10S	MW-10I	MW-10D	S11-WW	MW-111	MW-11D	MW-12S	"MW-12I	MW-12D	MW-13S	MW-13I	MW-13D	MW-148	MW-14I	MW-14D

Notes:

Monitoring wells that require attention.

⁽¹⁾ Concrete pad sliding down over cap; protective cover could not screw on.

⁽²⁾ Concrete pad sliding down over cap; protective cover could not screw on; PVC too high.

^{(3)2&#}x27; top section of well casing disconnected from coupling ~2" to the northeast; PVC too high for

protective cover to screw on.

(4)Ponded water around well inside flush-mounted vault box.
(5)Recommend abandoning well.

⁽⁶⁾Recommend placing concrete barrier around well.

⁽⁷⁾Stripped bolt holes on flush-mounted vault box.

⁽⁸⁾ Flush-mounted vault box filled with mud.

⁽⁹⁾Flush-mounted vault box damage. Recommend replacing concrete pad. (10)Original flush-mounted cover missing. Replaced with ¼-inch steel.

		Yes	<u>No</u>	Remarks
	Surface Concrete Seal			
	Intact	X		
	Cracked			
	Missing			
	Ponding of Water Around Concrete Seal		X	
	Protective Flush-Mounted Cover/Standpipe and Lock			
	Flush-Mounted Cover - Intact	<u>X</u>		
	Standpipe - Intact			<u>-</u>
	Lock - Intact	X		
7	Well Casing Alignment (Straight)	X		
	Survey Measuring Point Clearly Marked	X 		
7	Well Clearly Labeled	X		
	Well is Protected	X		
omn	nents: Shifting well casing. Recomm	nend plac	ing concre	ete barrier around well.
spec	ctor Signature Joy T. Military	~	_	

	MONITORING WEL	L INSPE	CTION C	HECKLIST
We	ll No. <u>MW-01I</u>			
		Yes	<u>No</u>	Remarks
1.	Surface Concrete Seal			
	Intact	X		
	Cracked			
	Missing			
2.	Ponding of Water Around Concrete Seal		x 	
3.	Protective Flush-Mounted Cover/Standpipe and Lock			
	Flush-Mounted Cover - Intact	<u>X</u>		
	Standpipe - Intact			
	Lock - Intact	<u>X</u>		
4.	Well Casing Alignment (Straight)	x		
5.	Survey Measuring Point Clearly Marked	X		
6.	Well Clearly Labeled	X		
7.	Well is Protected	X		
Con	nments: Recommend placing concre	te barrier	around wel	1.
Insp	pector Signature for T. Mills		_	
Dat	e of Inspection 11/8/04		_	

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We	ell No. MW-01D			
		Yes	<u>No</u>	<u>Remarks</u>
1.	Surface Concrete Seal			
	Intact	X		
	Cracked			
	Missing			
2.	Ponding of Water Around Concrete Seal		X 	
3.	Protective Flush-Mounted Cover/Standpipe and Lock			
	Flush-Mounted Cover - Intact		<u>X</u>	
	Standpipe - Intact			_
	Lock - Intact	<u>X</u>		
4.	Well Casing Alignment (Straight)	X		
5.	Survey Measuring Point Clearly Marked	X		
6.	Well Clearly Labeled	<u>X</u>		
7.	Well is Protected	<u> </u>		
Co	mments: Flush mounted cover missing	g. Recom	mend placin	g concrete barrier around well.
•				
Ins	pector Signature	lian	_	
Dat	te of Inspection 11/8/04			

We	11 No. <u>MW-02S</u>			
		Yes	<u>No</u>	<u>Remarks</u>
1.	Surface Concrete Seal			
	Intact	<u>X</u>		
	Cracked			
	Missing			
2.	Ponding of Water Around Concrete Seal		X	
3.	Protective Flush-Mounted Cover/Standpipe and Lock			
	Flush-Mounted Cover - Intact	<u>X</u>		
	Standpipe - Intact			
	Lock - Intact	X		
4.	Well Casing Alignment (Straight)	<u>X</u>		Bent below ground surface
5.	Survey Measuring Point Clearly Marked	X 		
6.	Well Clearly Labeled	X		
7.	Well is Protected	<u>X</u>		
Con	nments: Cannot be sampled due to sh Recommend abandoning wel	ifting cas	ing about 2	23 feet below ground surface.
Insp	pector Signature			
Dat	e of Inspection $\frac{11/8}{04}$	_	· .	

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W	ell No. <u>MW-02I</u>			
		Yes	<u>No</u>	<u>Remarks</u>
1.	Surface Concrete Seal			
	Intact	<u>X</u>		
	Cracked			
	Missing			
2.	Ponding of Water Around Concrete Seal			
3.	Protective Flush-Mounted Cover/Standpipe and Lock			
	Flush-Mounted Cover - Intact		<u>X</u>	
	Standpipe - Intact			
	Lock - Intact	<u>X</u>		
4.	Well Casing Alignment (Straight)	<u>x</u>		Casing lifting up
5.	Survey Measuring Point Clearly Marked	X 		
6.	Well Clearly Labeled	X		
7.	Well is Protected	X		
Con	Casing lifting up above group PVC should be cut and well		_	
Ins	pector Signature	~	_	
Dat	e of Inspection 11/8/04			

We	ll No. <u>MW-02D</u>			
		Yes	<u>No</u>	<u>Remarks</u>
1.	Surface Concrete Seal			
	Intact	X		
	Cracked			
	Missing			
2.	Ponding of Water Around Concrete Seal		X 	
3.	Protective Flush-Mounted Cover/Standpipe and Lock			
	Flush-Mounted Cover - Intact	X		
	Standpipe - Intact			
	Lock - Intact	X		
4.	Well Casing Alignment (Straight)	X		
5.	Survey Measuring Point Clearly Marked	X 		
6.	Well Clearly Labeled	<u>X</u>		
7.	Well is Protected	<u> </u>		
Cor	mments:			
Insp	pector Signature 1. Milion	<u> </u>	_	
Dat	e of Inspection 11/8/04			

We	ll No. MW-03S			
		Yes	<u>No</u>	<u>Remarks</u>
1.	Surface Concrete Seal			
	Intact			
	Cracked			
	Missing	_X_		Not visible
2.	Ponding of Water Around Concrete Seal		x 	
3.	Protective Flush-Mounted Cover/Standpipe and Lock			
	Flush-Mounted Cover - Intact	X		
	Standpipe - Intact			
	Lock - Intact	<u> </u>		
4.	Well Casing Alignment (Straight)	<u>X</u>		
5.	Survey Measuring Point Clearly Marked	X		
6.	Well Clearly Labeled	X		
7.	Well is Protected	X		
Cor	mments:			
Insp	pector Signature		_	
Dat	e of Inspection 11/8/04		_	

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We	11 No. <u>MW-03I</u>			
		Yes	<u>No</u>	<u>Remarks</u>
1.	Surface Concrete Seal			
	Intact			
	Cracked			
	Missing	X		Not visible
2.	Ponding of Water Around Concrete Seal		X	
3.	Protective Flush-Mounted Cover/Standpipe and Lock			
	Flush-Mounted Cover - Intact	X		
	Standpipe - Intact			
	Lock - Intact	X		
4.	Well Casing Alignment (Straight)	X		
5.	Survey Measuring Point Clearly Marked	X 		
6.	Well Clearly Labeled	<u>X</u>		
7.	Well is Protected	<u>X</u>		
Cor	nments:			
Insp	pector Signature	<u>~</u>	_	
Dat	e of Inspection 11/8/04		_	

We	ell No. <u>MW-03D</u>			
		Yes	No	<u>Remarks</u>
1.	Surface Concrete Seal			
	Intact	<u>X</u>		
	Cracked			
	Missing			_ .
2.	Ponding of Water Around Concrete Seal		X	
3.	Protective Flush-Mounted Cover/Standpipe and Lock			
	Flush-Mounted Cover - Intact	<u>X</u>		
	Standpipe - Intact			
	Lock - Intact	X		
4.	Well Casing Alignment (Straight)	X		
5.	Survey Measuring Point Clearly Marked	X		
6.	Well Clearly Labeled	X		
7.	Well is Protected	X		
Co	mments:			
	pector Signature e of Inspection 11/8/04	~ <u></u>	_	

Date of Inspection

We	11 No. <u>MW-04S</u>			
		Yes	<u>No</u>	<u>Remarks</u>
1.	Surface Concrete Seal			
	Intact	X		
	Cracked			
	Missing			
2.	Ponding of Water Around Concrete Seal		X	
3.	Protective Flush-Mounted Cover/Standpipe and Lock			
	Flush-Mounted Cover - Intact	_X_		
	Standpipe - Intact			
	Lock - Intact	<u>X</u>		
4.	Well Casing Alignment (Straight)	_X_		
5.	Survey Measuring Point Clearly Marked	X		
6.	Well Clearly Labeled	X		
7.	Well is Protected	X		
Cor	nments:			
			 	
	pector Signature			
Dat	e of Inspection 11/8/04			

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We	ll No. <u>MW-04I</u>			
		Yes	<u>No</u>	Remarks
1.	Surface Concrete Seal			
	Intact	<u>X</u>		
	Cracked			
	Missing			
2.	Ponding of Water Around Concrete Seal		X 	
3.	Protective Flush-Mounted Cover/Standpipe and Lock			
	Flush-Mounted Cover - Intact	<u>X</u>		
	Standpipe - Intact			
	Lock - Intact	X		
4.	Well Casing Alignment (Straight)		<u> X</u>	bent to southwest
5.	Survey Measuring Point Clearly Marked	X 		
6.	Well Clearly Labeled	X		
7.	Well is Protected	<u> </u>		
Cor	nments:			
		_		
Insp	pector Signature		_	
		_		
Dat	e of Inspection 11/8/04		-	

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MONITORING WELL INSPECTION CHECKLIST Well No. MW-04D **Yes** Remarks <u>No</u> Surface Concrete Seal Intact \mathbf{X} Cracked Missing Ponding of Water Around Concrete X Seal Protective Flush-Mounted Cover/Standpipe and Lock X Flush-Mounted Cover - Intact Standpipe - Intact Lock - Intact \mathbf{X} Well Casing Alignment (Straight) bent to southwest X Survey Measuring Point Clearly Marked Well Clearly Labeled \mathbf{X} 7. Well is Protected \mathbf{X} Comments: **Inspector Signature** Date of Inspection 11/8/04

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We	ll NoMW-05S			
		Yes	<u>No</u>	Remarks
1.	Surface Concrete Seal			
	Intact	<u>X</u>		
	Cracked			
	Missing			
2.	Ponding of Water Around Concrete Seal		x 	
3.	Protective Flush-Mounted Cover/Standpipe and Lock			
	Flush-Mounted Cover - Intact	X		
	Standpipe - Intact			
	Lock - Intact	X		
4.	Well Casing Alignment (Straight)	X		
5.	Survey Measuring Point Clearly Marked	X		
6.	Well Clearly Labeled		X	
7.	Well is Protected	X		
Comments: Label well				
Inspector Signature Date of Inspection 11/8/04				

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We	ll No. <u>MW-05I</u>			
		Yes	<u>No</u>	<u>Remarks</u>
1.	Surface Concrete Seal			
	Intact	X		
	Cracked			
	Missing			
2.	Ponding of Water Around Concrete Seal		X 	
3.	Protective Flush-Mounted Cover/Standpipe and Lock			
	Flush-Mounted Cover - Intact	<u>X</u>		
	Standpipe - Intact			
	Lock - Intact	X		
4.	Well Casing Alignment (Straight)	X		
5.	Survey Measuring Point Clearly Marked	X		
6.	Well Clearly Labeled	X		On cap
7.	Well is Protected	X		· · · · · · · · · · · · · · · · · · ·
Cor	nments: Label well			
	e of Inspection 11/8/04			

We	ell No. <u>MW-05D</u>	Yes	No	Domorks
•		<u>r es</u>	<u>No</u>	<u>Remarks</u>
1.	Surface Concrete Seal			
	Intact	<u>X</u>		
	Cracked			
	Missing			
2.	Ponding of Water Around Concrete Seal		X 	
3.	Protective Flush-Mounted Cover/Standpipe and Lock			
	Flush-Mounted Cover - Intact	X		
	Standpipe - Intact			
	Lock - Intact	X		
4.	Well Casing Alignment (Straight)	X		
5.	Survey Measuring Point Clearly Marked	X 		
6.	Well Clearly Labeled	X		On cap
7.	Well is Protected	<u>X</u>		
Co	mments:Label well			
Ins	pector Signature			
	te of Inspection 11/8/04			

We	ll No. <u>MW-06S</u>					
		Yes	<u>No</u>	<u>Remarks</u>		
1.	Surface Concrete Seal					
	Intact	X		Sliding down slope		
	Cracked					
	Missing					
2.	Ponding of Water Around Concrete Seal		X			
3.	Protective Flush-Mounted Cover/Standpipe and Lock					
	Flush-Mounted Cover - Intact	X		Unable to bolt down		
	Standpipe - Intact					
	Lock - Intact	_ <u>X</u> _				
4.	Well Casing Alignment (Straight)	X				
5.	Survey Measuring Point Clearly Marked	X				
6.	Well Clearly Labeled	X				
7.	Well is Protected		<u>X</u>			
Concrete pad is sliding down slope over well.						
	· .					
Inspector Signature Date of Inspection 11/8/04						
_ ***						

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We	Well No. MW-06I			
		Yes	<u>No</u>	<u>Remarks</u>
1.	Surface Concrete Seal			
	Intact	<u>X</u>		Sliding down slope
	Cracked			
	Missing			
2.	Ponding of Water Around Concrete Seal		x 	
3.	Protective Flush-Mounted Cover/Standpipe and Lock			
	Flush-Mounted Cover - Intact	<u>X</u>		Unable to bolt down cover
	Standpipe - Intact			
	Lock - Intact	X		
4.	Well Casing Alignment (Straight)		<u> </u>	Bent to east
5.	Survey Measuring Point Clearly Marked			
6.	Well Clearly Labeled	X		
7.	Well is Protected		<u> </u>	
Concrete pad sliding down slope. Unable to bolt down cover.				
Inspector Signature Date of Inspection 11/8/04				

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We	ell No. <u>MW-06D</u>			
		Yes	<u>No</u>	<u>Remarks</u>
1.	Surface Concrete Seal			
	Intact	X		Sliding down slope
	Cracked			
	Missing			
2.	Ponding of Water Around Concrete Seal			
3.	Protective Flush-Mounted Cover/Standpipe and Lock			
	Flush-Mounted Cover - Intact	X		Unable to bolt down cover
	Standpipe - Intact			
	Lock - Intact	X		
4.	Well Casing Alignment (Straight)		<u> </u>	Bent to east
5.	Survey Measuring Point Clearly Marked	X		
6.	Well Clearly Labeled	X		
7.	Well is Protected		<u> </u>	
Co	mments: Concrete pad sliding down s	lope. Una	ble to bolt	down cover.
	pector Signature		_	
Dat	te of Inspection 11/8/04			

MONITORING WELL INSPECTION CHECKLIST Well No. MW-07S **Yes** <u>No</u> Remarks Surface Concrete Seal · Intact Cracked Missing 2. Ponding of Water Around Concrete X Seal Protective Flush-Mounted Cover/Standpipe and Lock Flush-Mounted Cover - Intact Standpipe - Intact Lock - Intact \mathbf{X} Well Casing Alignment (Straight) Bent to northeast X Survey Measuring Point Clearly X Marked Well Clearly Labeled 6. X Well is Protected 7. \mathbf{X} Comments: Inspector Signature Date of Inspection 11/8/04

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We	11 No. <u>MW-07I</u>					
		Yes	No	<u>Remarks</u>		
1.	Surface Concrete Seal					
	Intact	<u>X</u>				
	Cracked					
	Missing					
2.	Ponding of Water Around Concrete Seal	x 		water inside vault box		
3.	Protective Flush-Mounted Cover/Standpipe and Lock					
	Flush-Mounted Cover - Intact	<u>X</u>				
	Standpipe - Intact					
	Lock - Intact	<u>X</u>				
4.	Well Casing Alignment (Straight)		X	Bent to northeast		
5.	Survey Measuring Point Clearly Marked	X				
6.	Well Clearly Labeled	<u>X</u>				
7.	Well is Protected	X				
Cor	nments:					
		_				
Insp	Inspector Signature					
Dat	Date of Inspection 11/8/04					

We	ell No. <u>MW-07D</u>				
		<u>Yes</u>	<u>No</u>	<u>Remarks</u>	
1.	Surface Concrete Seal				
	Intact	<u>X</u>			
	Cracked				
	Missing				
2.	Ponding of Water Around Concrete Seal	X			
3.	Protective Flush-Mounted Cov.r/Standpipe and Lock				
	Flush-Mounted Cover - Intact	X			
	Standpipe - Intact				
	Lock - Intact	<u>X</u>			
4.	Well Casing Alignment (Straight)		X	Bent to southeast	
5.	Survey Measuring Point Clearly Marked	X 			
6.	Well Clearly Labeled	<u>X</u>			
7.	Well is Protected	<u> </u>			
Con	Comments:				
Inspector Signature 1					
Dat	Date of Inspection 11/8/04				

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We	ll No. <u>MW-10S</u>				
		Yes	No	Remarks	
1.	Surface Concrete Seal				
	Intact	X			
	Cracked				
	Missing		-		
2.	Ponding of Water Around Concrete Seal	x		water in vault box	
3.	Protective Flush-Mounted Cover/Standpipe and Lock				
	Flush-Mounted Cover - Intact	<u>X</u>			
	Standpipe - Intact				
	Lock - Intact	<u>X</u>			
4.	Well Casing Alignment (Straight)	<u>x</u>			
5.	Survey Measuring Point Clearly Marked		X		
6.	Well Clearly Labeled	X			
7.	Well is Protected	<u>x</u>			
Comments: Clearly mark measuring point					
	e of Inspection 11/8/04		- - -		
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We	li No. MW-10I				
		Yes	<u>No</u>	<u>Remarks</u>	
1.	Surface Concrete Seal				
	Intact	X			
	Cracked				
	Missing				
2.	Ponding of Water Around Concrete Seal	<u>x</u>		water in vault box	
3.	Protective Flush-Mounted Cover/Standpipe and Lock				
	Flush-Mounted Cover - Intact	X			
	Standpipe - Intact				
,	Lock - Intact	X			
4.	Well Casing Alignment (Straight)	X			
5.	Survey Measuring Point Clearly Marked	X			
6.	Well Clearly Labeled	X			
7.	Well is Protected	X			
Cor	nments:				
: .	•	-			
Insp	Inspector Signature				
Dat	Date of Inspection 11/8/04				

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We	ll No. <u>MW-10D</u>				
		Yes	<u>No</u>	<u>Remarks</u>	
1.	Surface Concrete Seal				
	Intact	X			
	Cracked				
	Missing				
2.	Ponding of Water Around Concrete Seal	X 		water in vault box	
3.	Protective Flush-Mounted Cover/Standpipe and Lock				
	Flush-Mounted Cover - Intact	X			
	Standpipe - Intact				
	Lock - Intact	X			
4.	Well Casing Alignment (Straight)	<u> X</u>			
5.	Survey Measuring Point Clearly Marked	X			
6.	Well Clearly Labeled	X			
7.	Well is Protected	X			
Comments:					
Inspector Signature					
Dat	e of Inspection 11/8/04				

We	ll No. <u>MW-11S</u>			
		Yes	No	<u>Remarks</u>
1.	Surface Concrete Seal			
	Intact	X		
	Cracked			
	Missing			
2.	Ponding of Water Around Concrete Seal		X ———	
3.	Protective Flush-Mounted Cover/Standpipe and Lock			
	Flush-Mounted Cover - Intact	X 		Original missing. Replaced with ¼" steel
	Standpipe - Intact			
	Lock - Intact	<u>X</u>		
4.	Well Casing Alignment (Straight)	X		
5.	Survey Measuring Point Clearly Marked	X		
6.	Well Clearly Labeled	<u>x</u>		on cap
7.	Well is Protected	X		
Cor	nments: Label well casing. Bolt hole	s on vault	box stripp	ed.
	·			
Insı	pector Signature		_	
Dat	e of Inspection 11/8/04			

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** C	ll No. <u>MW-111</u>			
		Yes	<u>No</u>	<u>Remarks</u>
1.	Surface Concrete Seal			
	Intact	<u>X</u>		
	Cracked			
	Missing			
2.	Ponding of Water Around Concrete Seal		x 	
3.	Protective Flush-Mounted Cover/Standpipe and Lock			
	Flush-Mounted Cover - Intact	<u>X</u>		
	Standpipe - Intact			
	Lock - Intact	X		
4.	Well Casing Alignment (Straight)		X	Bent to southeast
5.	Survey Measuring Point Clearly Marked			
5.6.		x 		on cap
	Marked			on cap
6.7.	Marked Well Clearly Labeled	x x	box stripp	
6.7.	Marked Well Clearly Labeled Well is Protected	x x	box stripp	
6.7.	Marked Well Clearly Labeled Well is Protected	x x	box stripp	
6. 7. Cor	Marked Well Clearly Labeled Well is Protected	x x	box stripp	

		Yes	<u>No</u>	<u>Remarks</u>
1.	Surface Concrete Seal			
	Intact	X		
	Cracked			
	Missing			
2.	Ponding of Water Around Concrete Seal	x 		Water in vault box
3.	Protective Flush-Mounted Cover/Standpipe and Lock			
	Flush-Mounted Cover - Intact	<u>X</u>		
	Standpipe - Intact			
	Lock - Intact	X		
4.	Well Casing Alignment (Straight)	X		
5.	Survey Measuring Point Clearly Marked	X		
6.	Well Clearly Labeled	X		on cap
7.	Well is Protected	X		
Coi	nments: Label well casing. Bolt hold	es on vault	box stripj	ped. Vault box filled with mud.
				-
	-			

We	ell No. <u>MW-12S</u>			
		Yes	<u>No</u>	<u>Remarks</u>
1.	Surface Concrete Seal			
	Intact	<u> X</u>		
	Cracked			
	Missing			
2.	Ponding of Water Around Concrete Seal		X ——	
3.	Protective Flush-Mounted Cover/Standpipe and Lock			
	Flush-Mounted Cover - Intact	X		
	Standpipe - Intact			
	Lock - Intact	X		
4.	Well Casing Alignment (Straight)	X		
5.	Survey Measuring Point Clearly Marked	X		
6.	Well Clearly Labeled	X		on cap
7.	Well is Protected	<u> </u>		
Coi	nments:Label well casing			
				_
Insp	pector Signature		_	
Dat	e of Inspection 11/8/04		_	

We	ll No. <u>MW-12I</u>				
		Yes	No	<u>Remarks</u>	
1.	Surface Concrete Seal				
	Intact	<u>X</u>			
	Cracked				
	Missing				
2.	Ponding of Water Around Concrete Seal	x		water in vault box	
3.	Protective Flush-Mounted Cover/Standpipe and Lock				
	Flush-Mounted Cover - Intact	<u>X</u>			
	Standpipe - Intact				
	Lock - Intact	X			
4.	Well Casing Alignment (Straight)	X			
5.	Survey Measuring Point Clearly Marked	X			
6.	Well Clearly Labeled	X		on cap	
7.	Well is Protected	X			
Con	nments: Label well casing				
	-				
_	Inspector Signature Date of Inspection 11/8/04				
	<u> </u>				

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Wel	ll No. MW-12D			
		Yes	<u>No</u>	<u>Remarks</u>
1.	Surface Concrete Seal			
	Intact	<u>X</u>		
	Cracked			
	Missing			
2.	Ponding of Water Around Concrete Seal		X 	
3.	Protective Flush-Mounted Cover/Standpipe and Lock			
	Flush-Mounted Cover - Intact	X		
	Standpipe - Intact			
	Lock - Intact	X		
4.	Well Casing Alignment (Straight)	X		
5.	Survey Measuring Point Clearly Marked	X		
6.	Well Clearly Labeled	<u> </u>		on cap
7.	Well is Protected	<u> </u>		
Con	nments: Label well casing			
	<u> </u>		-	
Insp	pector Signature			
Date	c of Inspection 11/8/04		-	

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We	ll No. <u>MW-13S</u>			
		Yes	No	<u>Remarks</u>
1.	Surface Concrete Seal			
	Intact			
	Cracked			
	Missing	<u>X</u>		Not visible
2.	Ponding of Water Around Concrete Seal	x		water in vault box
3.	Protective Flush-Mounted Cover/Standpipe and Lock			
	Flush-Mounted Cover - Intact	<u>X</u>		
	Standpipe - Intact			
	Lock - Intact	<u>X</u>		
4.	Well Casing Alignment (Straight)	X		
5.	Survey Measuring Point Clearly Marked	X		
6.	Well Clearly Labeled	X		on cap
7.	Well is Protected	<u>x</u>		
Cor	nments: Label well casing			
	pector Signature e of Inspection 11/8/04			

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We	ell No. <u>MW-13I</u>			
		Yes	<u>No</u>	<u>Remarks</u>
1.	Surface Concrete Seal			
	Intact			
	Cracked			
	Missing	X		Not visible
2.	Ponding of Water Around Concrete Seal			water in vault box
3.	Protective Flush-Mounted Cover/Standpipe and Lock			
	Flush-Mounted Cover - Intact	X		
	Standpipe - Intact			
	Lock - Intact	X		
4.	Well Casing Alignment (Straight)	X		
5.	Survey Measuring Point Clearly Marked	X		
6.	Well Clearly Labeled	X		on cap
7.	Well is Protected	X		
Coi	mments:Label well casing	-		
	pector Signature 11/8/04			

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We	ll No. <u>MW-13D</u>				
		Yes	<u>No</u>	<u>Remarks</u>	
1.	Surface Concrete Seal				
	Intact				
	Cracked				
	Missing	<u>X</u>		Not visible	
2.	Ponding of Water Around Concrete Seal			water in vault box	
3.	Protective Flush-Mounted Cover/Standpipe and Lock				
	Flush-Mounted Cover - Intact	<u>X</u>			
	Standpipe - Intact				
	Lock - Intact	<u>X</u>			
4.	Well Casing Alignment (Straight)	<u>X</u>			
5.	Survey Measuring Point Clearly Marked	X ——			
6.	Well Clearly Labeled	X		on cap	
7.	Well is Protected	X			
Con	nments: Label well casing				
Insp	Inspector Signature				
Date	Date of Inspection 11/8/04				

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We	ll NoMW-14S			
		Yes	<u>No</u>	Remarks
1.	Surface Concrete Seal			
	Intact			
	Cracked			
	Missing	<u>X</u>		Not visible
2.	Ponding of Water Around Concrete Seal		x 	
3.	Protective Flush-Mounted Cover/Standpipe and Lock			
	Flush-Mounted Cover - Intact	<u>X</u>		
	Standpipe - Intact			
	Lock - Intact	_X_		
4.	Well Casing Alignment (Straight)	X		
5.	Survey Measuring Point Clearly Marked			
6.	Well Clearly Labeled	<u> </u>		on cap
7.	Well is Protected	<u> </u>		
Cor	nments: Label well casing			
		_		
Insp	pector Signature			
Dat	e of Inspection 11/8/04		_	
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We	ll No. <u>MW-14I</u>					
		Yes	<u>No</u>	<u>Remarks</u>		
1.	Surface Concrete Seal					
	Intact					
	Cracked	X				
	Missing					
2.	Ponding of Water Around Concrete Seal		x			
3.	Protective Flush-Mounted Cover/Standpipe and Lock					
	Flush-Mounted Cover - Intact	X				
	Standpipe - Intact					
	Lock - Intact	X				
4.	Well Casing Alignment (Straight)	X				
5.	Survey Measuring Point Clearly Marked	X				
6.	Well Clearly Labeled		<u>X</u>			
7.	Well is Protected	X				
Con	nments: Label well casing. Damage to concrete pad.	to concrete	e around v	ault box. Recommend replacing		
			W			
			_			
Insp	pector Signature					
	e of Inspection 11/8/04	_	_			
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ll No. <u>MW-14D</u>	•,		
	<u>Yes</u>	<u>No</u>	<u>Remarks</u>
Intact			
Cracked			
Missing	<u>X</u>		Not visible
Ponding of Water Around Concrete Soal		x 	
Protective Flush-Mounted Cover/Standpipe and Lock			
Flush-Mounted Cover - Intact	<u>X</u>		
Standpipe - Intact			
Lock - Intact	<u> </u>		
Well Casing Alignment (Straight)	X		
Survey Measuring Point Clearly Marked	X 		
Well Clearly Labeled		X	
Well is Protected	X		
nments: Label well casing			
Gilligan)Sonia 4th OVA)wellconditionreport/MW-14D doc		_	
	Surface Concrete Seal Intact Cracked Missing Ponding of Water Around Concrete Soal Protective Flush-Mounted Cover/Standpipe and Lock Flush-Mounted Cover - Intact Standpipe - Intact Lock - Intact Well Casing Alignment (Straight) Survey Measuring Point Clearly Marked Well Clearly Labeled Well is Protected	Surface Concrete Seal Intact Cracked Missing X Ponding of Water Around Concrete Soal Protective Flush-Mounted Cover/Standpipe and Lock Flush-Mounted Cover - Intact Standpipe - Intact Lock - Intact X Well Casing Alignment (Straight) Survey Measuring Point Clearly Marked Well Clearly Labeled Well is Protected X Label well casing	Surface Concrete Seal Intact Cracked Missing X Ponding of Water Around Concrete Sal Protective Flush-Mounted Cover/Standpipe and Lock Flush-Mounted Cover - Intact Standpipe - Intact Lock - Intact X Well Casing Alignment (Straight) X Survey Measuring Point Clearly Marked Well Clearly Labeled X Well is Protected X Decetor Signature