



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

April 11, 2005

New York State Department of Environmental Conservation  
Division of Environmental Remediation  
Bureau of Construction Services, 12<sup>th</sup> 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**  
**1<sup>st</sup> Quarter 2005**

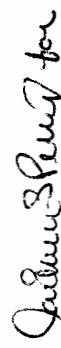
Dear Mr. Trad:

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. 1<sup>st</sup> Quarter 2005 Well Condition Report

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

Sincerely,

  
Francis D. Ribaudto, P.E.  
Associate Engineer

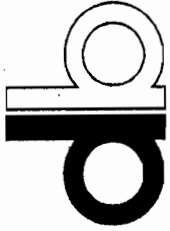
encl.

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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APR 15 2005





**Dvirka  
and  
Bartilucci**  
CONSULTING ENGINEERS

330 Crossways Park Drive, Woodbury, New York, 11797-2015  
516-364-9890 • 718-460-3634 • Fax: 516-364-9045  
e-mail: findingsolutions@db-eng.com

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Daniel Shabat, P.E.

Charles J. Wachsmuth, P.E.

March 25, 2005

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. 2023-11B

Dear Mr. DiMaria:

This letter provides the first quarter 2005 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., CPG  
Senior Associate

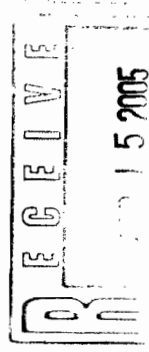
KPW/ajm

Enclosure

cc: Francis Ribaudo (IRRA)

Keith Robins (D&B)

♦ 2023KPPW05LITR-05.doc



**Table 1**  
**SONIA ROAD LANDFILL**  
**POST CLOSURE GROUNDWATER MONITORING PROGRAM**  
**SUMMARY OF MONITORING WELL STATUS AND DEFICIENCIES**  
**1ST QUARTER SAMPLING (2005)**

Well Designation	Surface Concrete Seal		Intact	Cracked	Missing	Ponding of Water Around Concrete Seal	Protective Flush-Mounted Cover/Standpipe Cover and Lock	Lock - In Place	Well Casing Alignment	Well Surveying Point Clearly Marked	Well Clearly Labeled	Wells Protected	Remarks and Recommendations
	Intact	Cracked											
MW-1S	Yes					No	Yes	Yes	Straight	Yes	Yes	Yes	Shifting well case
MW-11	Yes					No	Yes	Yes	Straight	Yes	Yes	Yes	
MW-1D	Yes					No	Yes	Yes	Straight	Yes	Yes	Yes	Flush-mount cover missing
MW-2S	Yes					No	Yes	Yes	Bent @ 23' below ground surface	Yes	Yes	Yes	Cannot be sampled due to bent or disconnected casing
MW-2I	Yes					No	Yes	Yes	Straight	Yes	Yes	Yes	Reconnect casing and cure PVC below grade. Resurvey
MW-2D	Yes					No	Yes	Yes	Straight	Yes	Yes	Yes	
MW-3S			Not visible			No	Yes	Yes	Straight	Yes	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	Yes	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-5S	Yes					No	Yes	Yes	Straight	Yes	No	Yes	Label well
MW-5I	Yes					No	Yes	Yes	Straight	Yes	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	Yes (1)	Yes	Straight	Yes	Yes	Yes	Replace concrete pad
MW-6I	Yes					No	Yes (2)	Yes	Bent to E	Yes	Yes	Yes	Replace concrete pad
MW-6D	Yes					No	Yes (2)	Yes	Bent to E	Yes	Yes	Yes	Replace concrete pad
MW-7S	Yes					Yes	Yes	Yes	Bent to NE	Yes	Yes	Yes	

**SONIA ROAD LANDFILL  
POST CLOSURE GROUNDWATER MONITORING PROGRAM  
SUMMARY OF MONITORING WELL STATUS AND DEFICIENCIES  
1ST QUARTER SAMPLING (2005)**

Table 1 (continued)

Well Designation	Surface Concrete Seal		Intact	Cracked	Missing	Ponding of Water Around Concrete Seal	Concrete Seal	Protective Flush-Mounted Cover/Standpipe Cover and Lock	Lock - In Place	Casing Alignment	Well Measuring Point Clearly Marked	Well Clearly Labeled	Well is Protected	Remarks and Recommendations
	Intact	Cracked												
MW-71	Yes		Yes			Yes <sup>(4)</sup>	Yes	Yes	Yes	Bent to NE	Yes	Yes	Yes	
MW-7D	Yes		Yes			Yes	Yes	Yes	Yes	Bent to SE	Yes	Yes	Yes	
MW-10S	Yes		Yes			Yes <sup>(4)</sup>	Yes	Yes	Yes	Straight	No	Yes	Yes	Clearly mark measuring point
MW-10I	Yes		Yes			Yes <sup>(4)</sup>	Yes	Yes	Yes	Straight	Yes	Yes	Yes	
MW-10D	Yes		Yes			Yes <sup>(4)</sup>	Yes	Yes	Yes	Straight	Yes	Yes	Yes	
MW-11S	Yes		Yes			No	Yes	Yes	Yes	Straight	Yes	On cap	Yes	Label well casing <sup>(9)</sup>
MW-11D	Yes		Yes			Yes <sup>(4)</sup>	Yes	Yes	Yes	Straight	Yes	On cap	Yes	Label well casing <sup>(9)</sup>
MW-12S	Yes		Yes			No	Yes	Yes	Yes	Straight	Yes	On cap	Yes	Label well casing
MW-12I	Yes		Yes			Yes <sup>(4)</sup>	Yes	Yes	Yes	Straight	Yes	On cap	Yes	Label well casing
MW-12D	Yes		Yes			No	Yes	Yes	Yes	Straight	Yes	On cap	Yes	Label well casing
MW-13S						Not visible	Yes <sup>(4)</sup>	Yes	Yes	Straight	Yes	On cap	Yes	Label well casing
MW-13I						Not visible	Yes <sup>(4)</sup>	Yes	Yes	Straight	Yes	On cap	Yes	Label well casing
MW-13D						Not visible	Yes <sup>(4)</sup>	Yes	Yes	Straight	Yes	On cap	Yes	Label well casing
MW-14S						Not visible	No	Yes	Yes	Straight	Yes	On cap	Yes	Label well casing
MW-14I						Yes	Yes	Yes	Yes	Straight	Yes	No	Yes	Label well casing
MW-14D						Not visible	No	Yes	Yes	Straight	Yes	No	Yes	Label well casing

Notes:

(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 for

(3) 2' 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) Stripped bolt holes on flush-mounted vault box.

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

(8) Flush-mounted vault box damage. Recommend replacing concrete pad.

(9) Original flush-mounted cover missing. Replaced with 1/4-inch steel.

Monitoring wells that require attention.

**MONITORING WELL INSPECTION CHECKLIST**

Well No. MW-01S

	<u>Yes</u>	<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	X		
7. Well is Protected	X		

Comments: Shifting well casing.

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\_\_\_\_\_

Inspector Signature 

Date of Inspection 2/24/05

## MONITORING WELL INSPECTION CHECKLIST

Well No. MW-011

	<u>Yes</u>	<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	X		
7. Well is Protected	X		

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Inspector Signature *Das T. Miller*

Date of Inspection 2/24/05

## MONITORING WELL INSPECTION CHECKLIST

Well No. MW-01D

	<u>Yes</u>	<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	X		
7. Well is Protected	X		

Comments: Flush mounted cover missing.  
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 \_\_\_\_\_  
 \_\_\_\_\_

Inspector Signature   
 Date of Inspection 2/24/05

## MONITORING WELL INSPECTION CHECKLIST

Well No. MW-02S

	<u>Yes</u>	<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		<u>Bent below ground surface</u>
5. Survey Measuring Point Clearly Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments: Cannot be sampled due to shifting casing about 23 feet below ground surface. Recommend abandoning well and replace.

Inspector Signature   
 Date of Inspection 2/24/05



## MONITORING WELL INSPECTION CHECKLIST

Well No. MW-02I

	<u>Yes</u>	<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		<u>Casing lifting up</u>
5. Survey Measuring Point Clearly Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

**Comments:**

Casing lifting up above ground. Unable to bolt down cover.  
PVC should be cut and well resurveyed, or lift cement pad up.

Inspector Signature   
 Date of Inspection 2/24/05

**MONITORING WELL INSPECTION CHECKLIST**

Well No. MW-02D

	<u>Yes</u>	<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	X		
7. Well is Protected	X		

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Inspector Signature   
Date of Inspection 2/24/05

## MONITORING WELL INSPECTION CHECKLIST

Well No. MW-03S

	<u>Yes</u>	<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	X		
7. Well is Protected	X		

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

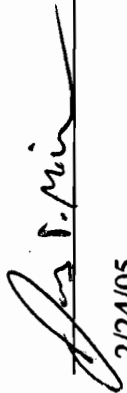
Inspector Signature *Justin*  
 Date of Inspection 2/24/05

## MONITORING WELL INSPECTION CHECKLIST

Well No. MW-03I

	<u>Yes</u>	<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	X		
7. Well is Protected	X		

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Inspector Signature   
 Date of Inspection 2/24/05

## MONITORING WELL INSPECTION CHECKLIST

Well No. MW-03D

	<u>Yes</u>	<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	X		
7. Well is Protected	X		

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Inspector Signature *J. R. P. [Signature]*  
 Date of Inspection 2/24/05

**MONITORING WELL INSPECTION CHECKLIST**

Well No. MW-04S

	<u>Yes</u>	<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	X		
7. Well is Protected	X		

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Inspector Signature   
Date of Inspection 2/24/05

## MONITORING WELL INSPECTION CHECKLIST

Well No. MW-04I

	<u>Yes</u>	<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	bent to southwest
5. Survey Measuring Point Clearly Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Inspector Signature 

Date of Inspection 2/24/05

**MONITORING WELL INSPECTION CHECKLIST**

Well No. MW-04D

	<u>Yes</u>	<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	bent to southwest
5. Survey Measuring Point Clearly Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Inspector Signature 

Date of Inspection 2/24/05



## MONITORING WELL INSPECTION CHECKLIST

Well No. MW-05S

	<u>Yes</u>	<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		X	
7. Well is Protected	X		

Comments:

Label well

Inspector Signature



Date of Inspection

2/24/05

**MONITORING WELL INSPECTION CHECKLIST**

Well No. MW-05I

	<u>Yes</u>	<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	X		On cap
7. Well is Protected	X		

Comments: Label well

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Inspector Signature 

Date of Inspection 2/24/05

## MONITORING WELL INSPECTION CHECKLIST

Well No. MW-05D

	<u>Yes</u>	<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	X		On cap
7. Well is Protected	X		

Comments:

Label well

Inspector Signature



Date of Inspection

2/24/05

**MONITORING WELL INSPECTION CHECKLIST**

Well No. MW-06S

	<u>Yes</u>	<u>No</u>	<u>Remarks</u>
1. Surface Concrete Seal			
Intact	X		<u>Sliding down slope</u>
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal		X	
3. Protective Flush-Mounted Cover/Standpipe and Lock			
Flush-Mounted Cover - Intact	X		<u>Unable to bolt down</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	

Comments: Concrete pad is sliding down slope over well.

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Inspector Signature 

Date of Inspection 2/24/05

## MONITORING WELL INSPECTION CHECKLIST

Well No. MW-06I

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

Comments: Concrete pad sliding down slope. Unable to bolt down cover.

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Inspector Signature 

Date of Inspection 2/24/05

## MONITORING WELL INSPECTION CHECKLIST

Well No. MW-06D

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

Comments: Concrete pad sliding down slope. Unable to bolt down cover.

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Inspector Signature 

Date of Inspection 2/24/05

## MONITORING WELL INSPECTION CHECKLIST

Well No. MW-07S

	<u>Yes</u>	<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	Bent to northeast
5. Survey Measuring Point Clearly Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Inspector Signature 

Date of Inspection 2/24/05

**MONITORING WELL INSPECTION CHECKLIST**

Well No. MW-071

	<u>Yes</u>	<u>No</u>	<u>Remarks</u>
1. Surface Concrete Seal			
Intact	X		
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	X		
Standpipe - Intact			
Lock - Intact	X		
4. Well Casing Alignment (Straight)		X	Bent to northeast
5. Survey Measuring Point Clearly Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Inspector Signature   
Date of Inspection 2/24/05



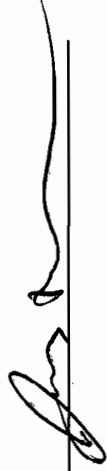
## MONITORING WELL INSPECTION CHECKLIST

Well No. MW-07D

	<u>Yes</u>	<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	Bent to southeast
5. Survey Measuring Point Clearly Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments:

Inspector Signature \_\_\_\_\_



Date of Inspection 2/24/05

**MONITORING WELL INSPECTION CHECKLIST**

Well No. MW-10S

	<u>Yes</u>	<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)	X		
5. Survey Measuring Point Clearly Marked		X	
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments: Clearly mark measuring point

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Inspector Signature 

Date of Inspection 2/24/05

**MONITORING WELL INSPECTION CHECKLIST**

Well No. MW-101

	<u>Yes</u>	<u>No</u>	<u>Remarks</u>
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal			
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)	X		
5. Survey Measuring Point Clearly Marked	X		
6. Well Clearly Labeled	X		
7. Well is Protected	X		

Comments: \_\_\_\_\_  
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Inspector Signature   
 Date of Inspection 2/24/05

## MONITORING WELL INSPECTION CHECKLIST

Well No. MW-10D

	<u>Yes</u>	<u>No</u>	<u>Remarks</u>
1. Surface Concrete Seal			
Intact	X		
Cracked			
Missing			
2. Ponding of Water Around Concrete Seal			
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)			
Well Casing Alignment (Straight)	X		
5. Survey Measuring Point Clearly Marked			
Survey Measuring Point Clearly Marked	X		
6. Well Clearly Labeled			
Well Clearly Labeled	X		
7. Well is Protected			
Well is Protected	X		

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Inspector Signature   
 Date of Inspection 2/24/05

## MONITORING WELL INSPECTION CHECKLIST

Well No. MW-11S

	<u>Yes</u>	<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		Original missing. Replaced with 1/4" steel
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		

Comments:

Label well casing. Bolt holes on vault box stripped.

Inspector Signature 

Date of Inspection 2/24/05

## MONITORING WELL INSPECTION CHECKLIST


Well No. MW-111

	<u>Yes</u>	<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	Bent to southeast
5. Survey Measuring Point Clearly Marked	X		
6. Well Clearly Labeled	X		on cap
7. Well is Protected	X		

Comments:

Label well casing. Bolt holes on vault box stripped.

Inspector Signature



Date of Inspection

2/24/05

## MONITORING WELL INSPECTION CHECKLIST

Well No. MW-11D

	<u>Yes</u>	<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)	X		
5. Survey Measuring Point Clearly Marked	X		
6. Well Clearly Labeled	X		on cap
7. Well is Protected	X		

Comments:

Label well casing. Bolt holes on vault box stripped. Vault box filled with mud.

Inspector Signature



Date of Inspection

2/24/05

**MONITORING WELL INSPECTION CHECKLIST**

Well No. MW-12S

	<u>Yes</u>	<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	X		on cap
7. Well is Protected	X		

Comments:

Label well casing

Inspector Signature 

Date of Inspection 2/24/05



**MONITORING WELL INSPECTION CHECKLIST**

Well No. MW-12I

	<u>Yes</u>	<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)	X		
5. Survey Measuring Point Clearly Marked	X		
6. Well Clearly Labeled	X		on cap
7. Well is Protected	X		

Comments: Label well casing

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Inspector Signature 

Date of Inspection 2/24/05

## MONITORING WELL INSPECTION CHECKLIST

Well No. MW-12D

	<u>Yes</u>	<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	X		on cap
7. Well is Protected	X		

Comments:

Label well casing

Inspector Signature



Date of Inspection

2/24/05

## MONITORING WELL INSPECTION CHECKLIST

Well No. MW-13S

	<u>Yes</u>	<u>No</u>	<u>Remarks</u>
1. Surface Concrete Seal			
Intact			
Cracked			
Missing	X		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	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		

Comments:

Label well casing

Inspector Signature



Date of Inspection

2/24/05

## MONITORING WELL INSPECTION CHECKLIST

Well No. MW-131

	<u>Yes</u>	<u>No</u>	<u>Remarks</u>
1. Surface Concrete Seal			
Intact			
Cracked			
Missing	X		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	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		

Comments:

Label well casing

Inspector Signature



Date of Inspection

2/24/05

**MONITORING WELL INSPECTION CHECKLIST**

Well No. MW-13D

	<u>Yes</u>	<u>No</u>	<u>Remarks</u>
1. Surface Concrete Seal			
Intact			
Cracked			
Missing	X		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	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		

Comments: Label well casing

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Inspector Signature 

Date of Inspection 2/24/05

## MONITORING WELL INSPECTION CHECKLIST

Well No. MW-14S

	<u>Yes</u>	<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	X		on cap
7. Well is Protected	X		

Comments:

Label well casing

Inspector Signature



Date of Inspection

2/24/05

## MONITORING WELL INSPECTION CHECKLIST

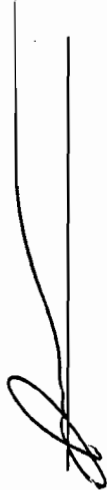
Well No. MW-141

	<u>Yes</u>	<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		X	
7. Well is Protected	X		

**Comments:**

Label well casing. Damage to concrete around vault box. Recommend replacing concrete pad.

Inspector Signature



Date of Inspection

2/24/05

## MONITORING WELL INSPECTION CHECKLIST

Well No. MW-14D

	<u>Yes</u>	<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		X	
7. Well is Protected	X		

Comments: Label well casing

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Inspector Signature 

Date of Inspection 2/24/05