

## **Appendix G**

### **Quarter of Record Thermistor and Monitoring Well Records**

<b>Sample ID</b>	<b>Date</b>	<b>Total Solids %</b>
Mill Tails	10/07/2012	85.7
Mill Tails A	10/07/2012	86.2
Mill Tails	10/09/2012	83.2
Mill Tails	10/11/2012	81.2
Mill Tails A	10/11/2012	81
Mill Tails	10/16/2012	81.3
Mill Tails A	10/16/2012	81.8
Mill Tails	10/19/2012	79.6
Mill Tails	10/23/2012	78.9
Mill Tails A	10/23/2012	78.3
Mill Tails	10/25/2012	81.8
Mill Tails	10/27/2012	79.2
Mill Tails	11/03/2012	85.4
Mill Tails A	11/03/2012	85.5
Mill Tails	11/03/2012	78.8
Mill Tails	11/16/2012	85.3
Mill Tails A	11/16/2012	84.1
Sp Mill Tails	11/16/2012	75.8
Sp Mill Tails A	11/16/2012	81.5
Mill tails	11/17/2012	81
Sp Mill Tails	11/17/2012	81.7
Mill Tails	11/21/2012	85.9
Mill Tails A	11/21/2012	85.5
Sp Mill Tails	11/21/2012	74
Sp Mill Tails A	11/21/2012	70.2
Mill Tails	11/23/2012	80.8
Sp Mill Tails	11/23/2012	78.1
Mill Tails	11/28/2012	83.6
Mill Tails A	11/28/2012	83.4
Sp Mill Tails	11/28/2012	80.1
Sp Mill Tails A	11/28/2012	80.1
Mill Tails	12/03/2012	87
Mill Tails A	12/03/2012	86.8
Mill Tails	12/14/2012	86.3
Mill Tails	12/15/2012	88.1
Mill Tails	12/19/2012	88.9

## Monthly Thermistor Monitoring Form

**Borehole:** G-1

**Location:** Downstream Side of Dam

**String:** GA4-01

Read by: Tess Snyder Date: 10/14/12

Node	Node (ft)	Depth (ft)	Depth (corrected) (ft)	R (kohms)	Comments
1	5	--	--	41.2	
2	10	0.3	25.3	39.1	
3	15	-4.7	20.3	48.9	
4	20	-9.7	15.3	20	
5	25	-14.7	10.3	47.0	
6	30	-19.7	5.3	45.2	
7	35	-24.7	0.3	43.0	
8	40	-29.7	-4.7	37.7	
9	45	-34.7	-9.7	32.1	
10	50	-39.7	-14.7	31.3	
11	55	-44.7	-19.7	31.2	
12	60	-49.7	-24.7	31.5	

Thermistors to be monitored monthly.

**PLEASE FAX SHEET TO CORRI FEIGE AT (907) 745-7864 UPON COMPLETION**

## Monthly Thermistor Monitoring Form

**Borehole:** G-2

**Location:** Downstream from Dam Toe

**String:** 33880

Read by:

Tess Snyder

Date:

10/14/12

Node	Node (ft)	Depth (ft)	R (kohms)	Comments
1	1	?	38.4	
2	3	?	39.9	
3	5	2.0	39.2	
4	7	0.0	Lo	
5	9	-2.0	41.6	
6	11	-4.0	40.1	
7	13	-6.0	40.0	
8	15	-8.0	38.1	
9	17	-10.0	36.2	
10	19	-12.0	33.5	
11	21	-14.0	32.0	
12	23	-16.0	32.0	
13	25	-18.0	32.0	
14	27	-20.0	31.4	
15	29	-22.0	31.9	
16	31	-24.0	30.5	
17	33	-26.0	30.0	
18	35	-28.0	32.1	

Thermistors to be monitored monthly

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## Monthly Thermistor Monitoring Form

**Borehole:** G-1

**Location:** Downstream Side of Dam

**String:** GA4-01

Read by: Tess Snyder Date: 11/5/12

Node	Node (ft)	Depth (ft)	Depth (corrected) (ft)	R (kohms)	Comments
1	5	--	--	40.1	
2	10	0.3	25.3	39.2	
3	15	-4.7	20.3	48.4	
4	20	-9.7	15.3	Lo	
5	25	-14.7	10.3	46.2	
6	30	-19.7	5.3	45.1	
7	35	-24.7	0.3	42.9	
8	40	-29.7	-4.7	37.8	
9	45	-34.7	-9.7	31.9	
10	50	-39.7	-14.7	30.4	
11	55	-44.7	-19.7	30.4	
12	60	-49.7	-24.7	31.0	

Thermistors to be monitored monthly.

**PLEASE FAX SHEET TO CORRI FEIGE AT (907) 745-7864 UPON COMPLETION**

## Monthly Thermistor Monitoring Form

**Borehole:** G-2

**Location:** Downstream from Dam Toe

**String:** 33880

Read by: Tess Snyder Date: 11/5/12

Node	Node (ft)	Depth (ft)	R (kohms)	Comments
1	1	?	38.3	
2	3	?	39.7	
3	5	2.0	39.7	
4	7	0.0	Lo	
5	9	-2.0	41.5	
6	11	-4.0	40.0	
7	13	-6.0	38.4	
8	15	-8.0	36.1	
9	17	-10.0	30.9	
10	19	-12.0	32.4	
11	21	-14.0	32.3	
12	23	-16.0	32.0	
13	25	-18.0	31.8	
14	27	-20.0	32.4	
15	29	-22.0	32.5	
16	31	-24.0	31.0	
17	33	-26.0	32.2	
18	35	-28.0	31.8	

Thermistors to be monitored monthly

**PLEASE FAX SHEET TO CORRI FEIGE @ (907) 745-7864 UPON COMPLETION**

## Monthly Thermistor Monitoring Form

**Borehole:** G-1

**Location:** Downstream Side of Dam

**String:** GA4-01

Read by: Tess Snyder / Bob Simonich Date: 12/3/12

Node	Node (ft)	Depth (ft)	Depth (corrected) (ft)	R (kohms)	Comments
1	5	--	--	32	
2	10	0.3	25.3	32	
3	15	-4.7	20.3	31.9	
4	20	-9.7	15.3	32	
5	25	-14.7	10.3		
6	30	-19.7	5.3		
7	35	-24.7	0.3		
8	40	-29.7	-4.7		Did not work
9	45	-34.7	-9.7		
10	50	-39.7	-14.7		
11	55	-44.7	-19.7		
12	60	-49.7	-24.7		

Thermistors to be monitored monthly.

**PLEASE FAX SHEET TO CORRI FEIGE AT (907) 745-7864 UPON COMPLETION**

# Monthly Thermistor Monitoring Form

**Borehole:** G-2

**Location:** Downstream from Dam Toe

**String:** 33880

Read by: less

Date: 12/3/12

Node	Node (ft)	Depth (ft)	R (kohms)	Comments
1	1	?		
2	3	?		
3	5	2.0		
4	7	0.0		
5	9	-2.0		
6	11	-4.0		
7	13	-6.0		
8	15	-8.0		
9	17	-10.0		
10	19	-12.0		
11	21	-14.0		
12	23	-16.0		
13	25	-18.0		
14	27	-20.0		
15	29	-22.0		
16	31	-24.0		
17	33	-26.0		
18	35	-28.0		

*Handwritten signature and scribbles*

Thermistors to be monitored monthly

**PLEASE FAX SHEET TO CORRI FEIGE @ (907) 745-7864 UPON COMPLETION**



# Groundwater Monitoring Wells

	GM-MW1	GM-MW2
Date	10/4/12	10/4/12
Time	3:10 PM	3:15
Sampler	Tess Snyder	Tess Snyder
Water present?	No	No
Depth	18'11"	12'
Sample collected?	No	No
Comments		

# Groundwater Monitoring Wells

	G04-MW1	G04-MW2
Date	10/8/12	10/8/12
Time	9:20	9:28
Sampler	Tess Snyder	Tess Snyder
Water present?	No	No
Depth	18' 1"	12'
Sample collected?	N/A	N/A
Comments		

## Groundwater Monitoring Wells

	G04-MW1	G04-MW2
Date	10/14/12	10/14/12
Time	10:15 a.m.	10:20 a.m.
Sampler	Tess Snyder	Tess Snyder
Water Present?	No	No
Depth	18' 1"	12'
Sample Collected?	No	No
Comments		

## Monthly Tailings Impoundment Monitoring and Sampling

### Tailings Impoundment Water

Date	
Time	
Sampler	
Sample Number	
Temperature	
pH	
Conductivity	
Comments	

### Groundwater Monitoring Wells

	G04-MW1	G04-MW2
Date	10/17/12	10/17/12
Time	3:30	3:35
Sampler	SLB	SLB
Water present?	NO	NO
Depth	18' 1"	12'
Sample collected?	NP	NP
Comments		

### Thermistors

Read 2 thermistor strings (G04-1 and G04-2). Record on Thermistor Monitoring Form.

### Tailings Impoundment

Inspect conditions of impoundment and dam. Record on Tailings Impoundment Monitoring Form.

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## Monthly Tailings Impoundment Monitoring and Sampling

### Tailings Impoundment Water

Date	
Time	
Sampler	
Sample Number	
Temperature	
pH	
Conductivity	
Comments	

### Groundwater Monitoring Wells

	G04-MW1	G04-MW2
Date	<del>4:52</del> 10/24/12	<del>4:57</del> 10/24/12
Time	4:52	4:57
Sampler	JCB	JCB
Water present?	NO	NO
Depth	18' 1"	12'
Sample collected?	NO	NP
Comments		

### Thermistors

Read 2 thermistor strings (G04-1 and G04-2). Record on Thermistor Monitoring Form.

### Tailings Impoundment

Inspect conditions of impoundment and dam. Record on Tailings Impoundment Monitoring Form.

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## Groundwater Monitoring Wells

	G04-MW1	G04-MW2
Date	11/5/12	11/5/12
Time	3:10	3:25
Sampler	Tess Snyder	Tess Snyder
Water Present?	No	No
Depth	18'	12'
Sample Collected?	No	No
Comments		

## Groundwater Monitoring Wells

	G04-MW1	G04-MW2
Date	11/16/12	11/16/12
Time	5:15 pm	5:20 pm
Sampler	SCB	SCB
Water Present?	No	No
Depth	18'	12'
Sample Collected?	NO	NP
Comments	N/A	N/A

## Groundwater Monitoring Wells

	G04-MW1	G04-MW2
Date	11/21/12	11/21/12
Time	11:30	11:40
Sampler	SCB	SCB
Water Present?	NO	NO
Depth	18'	12'
Sample Collected?	NO	NO
Comments	N/A	N/A



T5F Groundwater Monitoring Wells

	G04-MW1	G04-MW2
Date	12/4/12	12/4/12
Time	14:28	14:46
Sampler	Tess Snyder	Tess Snyder
Water Present?	NO	NO
Depth	18'	12'
Sample Collected?	NO	NO
Comments	N/A	N/A


# TSF Groundwater Monitoring Wells

	G04-MW1	G04-MW2
Date	12/12/12	12/12/12
Time	13:30	13:50
Sampler	JLB	JLB
Water Present ?	NO	NO
Depth	18'	12'
Sample Collected	NO	NO
Comments	N/A	N/A

# TSF Groundwater Monitoring Wells

	G04-MW1	G04-MW2
Date	12/20/12	12/20/12
Time	13:05	13:26
Sampler	JCB	JCB
Water Present ?	NO	NO
Depth	18'	12'
Sample Collected	NO	NO
Comments	N/A	N/A

# FTDS-SWRP Groundwater Monitoring Wells

	N-FTDS(MW2)	S-FTDS(MW1)
Date	10/4/12	10/4/12
Time	4:28 pm	4:35 pm
Sampler	Tess Snyder	Tess Snyder
Water Present ?	N/A	N/A
Depth	4' 9"	4' 8"
Sample Collected	N/A	N/A
Comments	<p>subtracted pipe length from total for true ground depth</p>	

# FTDS-SWRP Groundwater Monitoring Wells

	N-FTDS(MW2)	S-FTDS(MW1)
Date	10/8/12	10/8/12
Time	9:50	10:00
Sampler	Tess Snyder	Tess Snyder
Water Present ?	No	No
Depth	4' 9"	4' 8"
Sample Collected	N/A	N/A
Comments	Subtracted pipe length from total for true ground depth	→

# FTDS-SWRP Groundwater Monitoring Wells

	N-FTDS(MW2)	S-FTDS(MW1)
Date	10/14/12	10/14/12
Time	10:30 a.m	10:40 a.m
Sampler	Tess Snyder	Tess Snyder
Water Present ?	No	No
Depth	4' 9"	4' 8"
Sample Collected	No	No
Comments	Subtracted pipe length from total for true ground depth	

# FTDS-SWRP Groundwater Monitoring Wells

	N-FTDS(MW2)	S-FTDS(MW1)
Date	10/17/12	10/17/12
Time	2:45	2:47
Sampler	JCB	JCB
Water Present ?	NO	NO
Depth	4' 9"	4' 8"
Sample Collected	NO	NO
Comments	Subtracted pipe length From total for true ground depth	" "

# FTDS-SWRP Groundwater Monitoring Wells

	N-FTDS(MW2)	S-FTDS(MW1)
Date	10/24/12	10/24/12
Time	5:30	5:32
Sampler	SCB	SCB
Water Present ?	No	N
Depth	4'9"	4'8"
Sample Collected	No	NP
Comments	subtracted pipe length from total for true ground depth	" "



# FTDS-SWRP Groundwater Monitoring Wells

	N-FTDS(MW2)	S-FTDS(MW1)
Date	11/5/12	11/5/12
Time	4:30 pm	4:35 pm
Sampler	TLS	TLS
Water Present ?	No	No
Depth	4'9"	4'8"
Sample Collected	No	No
Comments	Pipe Length subtracted for true ground depth	→ " "


# FTDS-SWRP Groundwater Monitoring Wells

	N-FTDS(MW2)	S-FTDS(MW1)
Date	11/16/12	11/16/12
Time	4:45	4:50
Sampler	JLB	JLB
Water Present ?	No	NO
Depth	4' 9"	4' 8"
Sample Collected	NO	NO
Comments	Pipe length subtracted for true ground depth	" "

# FTDS-SWRP Groundwater Monitoring Wells

	N-FTDS(MW2)	S-FTDS(MW1)
Date	11/21/12	11/21/12
Time	12:06	12:08
Sampler	JCB	JCB
Water Present ?	No	NO
Depth	4'9"	4'8"
Sample Collected	NO	NO
Comments	Pipe length subtracted for true ground depth	" "

## FTDS-SWRP Groundwater Monitoring Wells

	N-FTDS (MW1)	S-FTDS (MW2)
Date	12/4/12	12/4/12
Time	13:42	13:48
Sampler	Tess Snyder	Tess Snyder
Water Present?	No	No
Depth	4'9"	4'8"
Sample Collected?	No	No
Comments	Pipe length subtracted for true ground depth 	

## FTDS-SWRP Groundwater Monitoring Wells

	N-FTDS (MW1)	S-FTDS (MW2)
Date	12/12/12	12/12/12
Time	14:25	14:30
Sampler	JCB	JCB
Water Present?	NO	NO
Depth	4'9"	4'8"
Sample Collected?	NO	NO
Comments	Pipe length subtracted for true ground depth →	

## FTDS-SWRP Groundwater Monitoring Wells

	N-FTDS (MW1)	S-FTDS (MW2)
Date	12/20/12	12/20/12
Time	14:00	14:03
Sampler	<del>for</del>	<del>MB</del>
Water Present?	No	No
Depth	4' 9"	4' 8"
Sample Collected?	No	No
Comments	Pipe length subtracted for true ground depth	