

April 1, 2010

Dr. Bob Harrington Inyo County Water Department 135 South Jackson Street Independence, CA 93526

#### **RE:** Summary of Hydrologic Monitoring Activities Rose Valley, Inyo County, California Hay Ranch Project Conditional Use Permit #2007-03

Dear Dr. Harrington:

This letter is intended to summarize hydrologic monitoring activities conducted in March 2010 by TEAM Engineering & Management, Inc. (TEAM), related to the Hay Ranch Water Extraction Project and CUP #2007-03.

#### **Phase 2: Startup Monitoring and Reporting**

With the initiation of pumping by Coso Operating Company on December 25, 2009, the Hay Ranch Water Extraction Project entered into the Phase 2 Startup Monitoring and Reporting period as outlined in the Hydrologic Monitoring and Mitigation Plan (HMMP). In addition to monthly ground and surface water data collection from all 30 monitoring points in Rose Valley, during the initial months of Phase 2 monitoring, weekly data is being collected from specific areas of Rose Valley.

During the March 2010 monthly hydrologic data collection event, static depth-to-water (DTW) measurements, one visual observation of the Little Lake Ranch Siphon Well Outflow and four sets of flow rates were collected by TEAM from 30 monitoring locations in the Rose Valley area, as summarized in the attached table (Table 1). Data for this monthly field event was collected on March 15 and 17. Pressure transducer data were downloaded from 24 units, including one "BaroTroll" measuring barometric pressure. On March 2, a DTW measurement at LADWP 816 Well was taken by LADWP personnel.

Weekly field events to the Hay Ranch area occurred on March 1, 8, 15, 22, and 29. During these weekly field events, nine static depth-to-water (DTW) measurements were collected by TEAM from nine monitoring locations in the Rose Valley area, as summarized in the attached tables (Tables 2-5). Pressure transducer data were downloaded from nine units, including one "BaroTroll" measuring barometric pressure.

A Hay Ranch South Well pump totalizer reading of 893,331,000 gallons was taken by TEAM at 10:57, March 29. This reading represents approximately 151,531,000 gallons (465 Acre Feet) of groundwater extracted from the Hay Ranch South production well since project initiation on December 25, 2009.

### **Quarterly Groundwater Quality**

On March 15, 2010 groundwater samples were collected from the Hay Ranch South, Coso Junction Store #2, and Little Lake Ranch North wells and analyzed for total dissolved solids (TDS). These groundwater samples were analyzed by TestAmerica, Inc. a California-Certified Analytical Laboratory. Lab results

from TestAmerica are included with this report. Prior to sample collection, groundwater was purged until groundwater physical parameters, as monitored by a YSI 556 MPS hand-held unit, stabilized.

At the Hay Ranch South Well (HRS), the groundwater sample HRS was collected from the production outflow pipe at 13:35 hours. Approximately 8,000 gallons of groundwater was purged from this well prior to sample collection. The laboratory analytical result from HRS was TDS 740 mg/L. The previous laboratory analytical result for HRS sampled December 28, 2009, was TDS 890 mg/L.

At the Coso Junction Store #2 Well (CJS#2), the groundwater sample CJS#2 was collected from the groundwater holding tank located 20 yards north of this active supply well. The CJS#2 groundwater sample was collected from the holding tank's sample port at 12:43 hours. Approximately 25 gallons of groundwater was purged from this holding tank prior to sample collection. The laboratory analytical result from CJS#2 was TDS 490 mg/L. A quality assurance duplicate was sampled at 12:44 hours and labeled QAMW. The laboratory analytical result from QAMW was TDS 460 mg/L. The previous laboratory analytical result for CJS#2 sampled December 28, 2009, was TDS 550 mg/L.

At the Little Lake Ranch North Well (LLR North), the groundwater sample LLR North was collected at 11:23 hours. Approximately 25 gallons of groundwater was purged from this well prior to sample collection. The laboratory analytical result from LLR North was TDS 510 mg/L. The previous laboratory analytical result for LLR North sampled October 1, 2009, was TDS 570 mg/L.

At all three wells, the TDS values from the March 15, 2010 groundwater sampling event are below "Threshold Requiring Action" values as specified in Table 3-2 of the HMMP (increase to 1500 mg/L or greater at Coso Junction Store #2 and Little Lake Ranch North wells, and increase to 2000 mg/L or greater for Hay Ranch South Well).

#### Data Transmittal

TEAM posted updates to the "Coso" database on the ICWD web server. TEAM also uploaded new Rose Valley hydrographs in PDF form to the ICWD website.

\* \* \* \* \* \*

If you have any questions or require additional information, please contact TEAM at your convenience.

Sincerely,

TEAM Engineering & Management, Inc.

Keith Rainville Staff Geologist

S:\Coso.HR Monitoring Summary\_Mar\_10

## Table 1Field Observations of Rose Valley Hydrologic Monitoring PointsMarch 15-17, 2010

Project Name:	Hay Ranch Project HMMP	Date: March 15-17, 2010
Location:	Rose Valley, Inyo County	
Observer(s):	K. Rainville	Page: 1 of 1

Well ID	Monitoring Point	Date	Time	DTW	Flow	GWE	Method	Transducer	Notes
				(ft)	(cfs)	(ft amsl)		Log Interval	
RV-10	Dews	3/17/10	9:20	231.33		3755.59	TEAM manual read	NA	
RV-20	LADWP 816	3/2/10	13:55	79.31		3435.75	LADWP manual read	NA	Data provided by LADWP
RV-30	Cal Pumice	3/15/10	14:07	247.15		3258.74	TEAM manual read	Hourly	
RV-40	Dunmovin	3/17/10	9:00	294.89		3252.98	TEAM manual read	NA	
RV-50	Hay Ranch North	NM	NM	NM		NM	TEAM manual read	NA	No DTW, well area under construction
RV-60	Hay Ranch 1A	3/15/10	13:46	191.33		3240.84	TEAM manual read	Hourly	
RV-61	Hay Ranch 1B	3/15/10	13:51	204.05		3227.80	TEAM manual read	Hourly	
RV-62	Hay Ranch 1C	3/15/10	14:00	194.34		3237.16	TEAM manual read	Hourly	
RV-70	Hay Ranch South	3/15/10	13:27	NM	Yes	NM	TEAM manual read	NA	114,238,000 gallons pumped since project initiation
RV-80	Hay Ranch 2A	3/15/10	13:14	194.08		3238.92	TEAM manual read	Hourly	
RV-81	Hay Ranch 2B	3/15/10	13:07	210.22		3222.41	TEAM manual read	Hourly	
RV-82	Hay Ranch 2C	3/15/10	13:19	197.57		3234.53	TEAM manual read	Hourly	
RV-90	Coso Jct Ranch	3/15/10	14:23	171.21		3231.92	TEAM manual read	Hourly	
RV-100	Coso Jct Store #1	3/15/10	12:18	142.65		3229.47	TEAM manual read	Hourly	
RV-110	Davis Ranch North Well	3/15/10	14:43	6.47		3886.53	TEAM manual read	Hourly	
RV-111	Davis Ranch South Well	3/15/10	14:53	11.24		3886.76	TEAM manual read	Hourly	
RV-112	Davis Ranch South Flume	3/15/10	15:07	NA	0.016	NA	TEAM manual read	Hourly	
RV-120	Red Hill Well (BLM)	3/17/10	11:05	140.10		3200.73	TEAM manual read	Hourly	
RV-130	G-36	3/17/10	10:45	180.09		3199.93	TEAM manual read	NA	
RV-140	Lego	3/17/10	10:35	222.21		3200.64	TEAM manual read	Hourly	
RV-150	Cinder Road	3/17/10	11:52	190.98		3186.98	TEAM manual read	Hourly	
RV-160	18-28 GTH	3/17/10	10:14	174.01		3188.57	TEAM manual read	Hourly	
RV-170	Fossil Falls Campground	3/17/10	11:47	141.08		3175.69	TEAM manual read	NA	
RV-180	LLR North Well	3/15/10	10:32	39.97		3159.13	TEAM manual read	Hourly	
RV-210	LLR Dock Well	3/15/10	9:22	5.83		3148.31	TEAM manual read	Hourly	
RV-220	LLR Surface Level	3/15/10	9:29	3.29		3147.75	TEAM manual read	Hourly	
RV-230	LLR Little Lake Outflow	3/15/10	9:55	NA	0.48	NA	TEAM manual read	Hourly	
RV-240	LLR Coso Springs Flow	3/15/10	9:45	NA	0.60	NA	TEAM manual read	Hourly	
RV-245	LLR North Culvert Flow	3/15/10	10:12	NA	1.23	NA	TEAM manual read	Hourly	
RV-250	LLR Siphon Discharge	3/15/10	10:06	NA	Yes	NA	TEAM visual read	NA	Discharging into Pond 2
RV-260	LLR Hotel Well	3/15/10	9:10	-0.14		3138.92	TEAM manual read	NA	Pressure gauge reads 0.25-0.30 psi

NM - not measured; NA - not applicable; IO - Inoperative

DTW - Depth to water in feet below top of casing or other reference point; a negative DTW indicates that the groundwater elevation is above the surveyed reference point



# Table 2Field Observations of Rose Valley Hydrologic Monitoring PointsMarch 1, 2010

Project Name:	Hay Ranch Project HMMP	Date: March 1, 2010
Location:	Rose Valley, Inyo County	
Observer(s):	K. Rainville	Page: 1 of 1

Well ID	Monitoring Point	Date	Time	DTW	Flow	GWE	Method	Transducer	Notes
				(ft)	(cfs)	(ft amsl)		Log Interval	
RV-30	Cal Pumice	3/1/10	12:49	246.77		3259.12	TEAM manual read	Hourly	
RV-60	Hay Ranch 1A	3/1/10	12:23	190.62		3241.55	TEAM manual read	Hourly	
RV-61	Hay Ranch 1B	3/1/10	12:30	198.96		3232.89	TEAM manual read	Hourly	
RV-62	Hay Ranch 1C	3/1/10	12:35	191.55		3239.95	TEAM manual read	Hourly	
RV-70	Hay Ranch South	3/1/10	12:15	NA	Yes	NA	TEAM manual read	NA	81,177,000 gallons since project initiation
RV-80	Hay Ranch 2A	3/1/10	12:03	193.66		3239.34	TEAM manual read	Hourly	
RV-81	Hay Ranch 2B	3/1/10	11:58	205.05		3227.58	TEAM manual read	Hourly	
RV-82	Hay Ranch 2C	3/1/10	12:08	195.20		3236.90	TEAM manual read	Hourly	
RV-180	LLR North Well	3/1/10	10:15	39.99		3159.11	TEAM manual read	Hourly	
RV-210	LLR Dock Well	3/1/10	10:28	5.84		3148.30	TEAM manual read	Hourly	
RV-220	LLR Surface Level	3/1/10	10:35	3.27		3147.77	TEAM manual read	Hourly	
RV-230	LLR Little Lake Outflow	3/1/10	11:05	NA	0.51	NA	TEAM manual read	Hourly	
RV-240	LLR Coso Springs Flow	3/1/10	10:50	NA	0.58	NA	TEAM manual read	Hourly	
RV-245	LLR North Culvert Flow	3/1/10	11:25	NA	1.23	NA	TEAM manual read	Hourly	
RV-250	LLR Siphon Discharge	3/1/10	11:20	NA	Yes	NA	TEAM visual read	NA	Discharging into Pond 2
RV-260	LLR Hotel Well	3/1/10	9:57	-0.14		3138.92	TEAM manual read	NA	Pressure gauge reads 0.30 psi

NM - not measured; NA - not applicable; IO - Inoperative

DTW - Depth to water in feet below top of casing or other reference point; a negative DTW indicates that the groundwater elevation is above the surveyed reference point

# Table 3Field Observations of Rose Valley Hydrologic Monitoring PointsMarch 8, 2010

Project Name:	Hay Ranch Project HMMP	Date: March 8, 2010
Location:	Rose Valley, Inyo County	
Observer(s):	K. Rainville	Page: 1 of 1

Well ID	Monitoring Point	Date	Time	DTW	Flow	GWE	Method	Transducer	Notes
				(ft)	(cfs)	(ft amsl)		Log Interval	
RV-30	Cal Pumice	3/8/10	11:40	246.79		3259.10	TEAM manual read	Hourly	
RV-60	Hay Ranch 1A	3/8/10	11:02	190.84		3241.33	TEAM manual read	Hourly	
RV-61	Hay Ranch 1B	3/8/10	11:07	200.17		3231.68	TEAM manual read	Hourly	
RV-62	Hay Ranch 1C	3/8/10	11:27	192.12		3239.38	TEAM manual read	Hourly	
RV-70	Hay Ranch South	3/8/10	10:55	NA	Yes	NA	TEAM manual read	NA	96,304,000 gallons since project initiation
RV-80	Hay Ranch 2A	3/8/10	10:36	193.78		3239.22	TEAM manual read	Hourly	
RV-81	Hay Ranch 2B	3/8/10	10:31	206.33		3226.30	TEAM manual read	Hourly	
RV-82	Hay Ranch 2C	3/8/10	10:46	195.75		3236.35	TEAM manual read	Hourly	
RV-260	LLR Hotel Well	3/8/10	9:55	-0.16		3138.94	TEAM manual read	NA	Pressure gauge reads 0.30 psi

NM - not measured; NA - not applicable; IO - Inoperative

DTW - Depth to water in feet below top of casing or other reference point; a negative DTW indicates that the groundwater elevation is above the surveyed reference point



## Table 4Field Observations of Rose Valley Hydrologic Monitoring PointsMarch 22, 2010

Project Name:	Hay Ranch Project HMMP	Date: March 22, 2010		
Location:	Rose Valley, Inyo County			
Observer(s):	K. Rainville	Page: 1 of 1		

Well ID	Monitoring Point	Date	Time	DTW	Flow	GWE	Method	Transducer	Notes
				(ft)	(cfs)	(ft amsl)		Log Interval	
RV-30	Cal Pumice	3/22/10	11:29	246.99		3258.90	TEAM manual read	Hourly	
RV-60	Hay Ranch 1A	3/22/10	11:10	191.29		3240.88	TEAM manual read	Hourly	
RV-61	Hay Ranch 1B	3/22/10	11:15	203.60		3228.25	TEAM manual read	Hourly	
RV-62	Hay Ranch 1C	3/22/10	11:20	194.11		3237.39	TEAM manual read	Hourly	
RV-70	Hay Ranch South	3/22/10	11:05	NA	Yes	NA	TEAM manual read	NA	132,704,000 gallons (407 AF) pumped since 12/25/09
RV-80	Hay Ranch 2A	3/22/10	10:47	194.02		3238.98	TEAM manual read	Hourly	
RV-81	Hay Ranch 2B	3/22/10	10:40	209.87		3222.76	TEAM manual read	Hourly	
RV-82	Hay Ranch 2C	3/22/10	10:52	197.64		3234.46	TEAM manual read	Hourly	
RV-260	LLR Hotel Well	3/22/10	10:00	-0.18		3138.96	TEAM manual read	NA	Pressure gauge reads 0.30 psi

NM - not measured; NA - not applicable; IO - Inoperative

DTW - Depth to water in feet below top of casing or other reference point; a negative DTW indicates that the groundwater elevation is above the surveyed reference point



# Table 5Field Observations of Rose Valley Hydrologic Monitoring PointsMarch 29, 2010

Project Name:	Hay Ranch Project HMMP	Date: March 29, 2010		
Location:	Rose Valley, Inyo County			
Observer(s):	K. Rainville	Page: 1 of 1		

Well ID	Monitoring Point	Date	Time	DTW	Flow	GWE	Method	Transducer	Notes
				(ft)	(cfs)	(ft amsl)		Log Interval	
RV-30	Cal Pumice	3/29/10	11:25	247.10		3258.79	TEAM manual read	Hourly	
RV-60	Hay Ranch 1A	3/29/10	11:02	191.52		3240.65	TEAM manual read	Hourly	
RV-61	Hay Ranch 1B	3/29/10	11:07	204.10		3227.75	TEAM manual read	Hourly	
RV-62	Hay Ranch 1C	3/29/10	11:13	194.55		3236.95	TEAM manual read	Hourly	
RV-70	Hay Ranch South	3/29/10	10:57	NA	Yes	NA	TEAM manual read	NA	151,531,000 gallons (465 AF) pumped since 12/25/09
RV-80	Hay Ranch 2A	3/29/10	10:45	194.15		3238.85	TEAM manual read	Hourly	
RV-81	Hay Ranch 2B	3/29/10	10:38	210.46		3222.17	TEAM manual read	Hourly	
RV-82	Hay Ranch 2C	3/29/10	10:49	198.16		3233.94	TEAM manual read	Hourly	
RV-260	LLR Hotel Well	3/29/10	10:05	-0.18		3138.96	TEAM manual read	NA	Pressure gauge reads 0.30 psi

NM - not measured; NA - not applicable; IO - Inoperative

DTW - Depth to water in feet below top of casing or other reference point; a negative DTW indicates that the groundwater elevation is above the surveyed reference point





## ANALYTICAL REPORT

Job Number: 720-26648-1 Job Description: Hay Ranch, Rose Valley

For: TEAM Engineering & Management, Inc. PO BOX 1265 Bishop, CA 93515 Attention: Mr. Keith Rainville

Approved for release. Dimple Sharma Project Manager I 3/23/2010 5:18 PM

Dimple Sharma Project Manager I dimple.sharma@testamericainc.com 03/23/2010

CA ELAP Certification # 2496

The Chain(s) of Custody are included and are an integral part of this report.

The report shall not be reproduced except in full, without the written approval of the laboratory. The client, by accepting this report, also agrees not to alter any reports whether in the hard copy or electronic format and to use reasonable efforts to preserve the reports in the form and substance originally provided by TestAmerica.

A trip blank is required to be provided for volatile analyses. If trip blank results are not included in the report, either the trip blank was not submitted or requested to be analyzed.

Job Narrative 720-26648-1

#### Comments

No additional comments.

#### Receipt

All samples were received in good condition within temperature requirements.

#### **General Chemistry**

No analytical or quality issues were noted.

### **EXECUTIVE SUMMARY - Detections**

Client: TEAM Engineering & Management, Inc.

Lab Sample ID Cl Analyte	lient Sample ID	Result / Qualifier	Reporting Limit	Units	Method	
720-26648-1	CJS#2					
Total Dissolved Solids		490	20	mg/L	SM 2540C	
720-26648-2	HRS					
Total Dissolved Solids		740	20	mg/L	SM 2540C	
720-26648-3	LLR NORTH					
Total Dissolved Solids		510	20	mg/L	SM 2540C	
720-26648-4	QAMW					
Total Dissolved Solids		460	20	mg/L	SM 2540C	

#### **METHOD SUMMARY**

Client: TEAM Engineering & Management, Inc.			Job Number: 720-26648-1
Description	Lab Location	Method	Preparation Method
Matrix Water			
Solids, Total Dissolved (TDS)	TAL SF	SM SM 2540C	
Lab References:			
TAL SF = TestAmerica San Francisco			
Method References:			

SM = "Standard Methods For The Examination Of Water And Wastewater",

### SAMPLE SUMMARY

Client: TEAM Engineering & Management, Inc.

			Date/Time	Date/Time
Lab Sample ID	Client Sample ID	Client Matrix	Sampled	Received
720-26648-1	CJS#2	Water	03/15/2010 1243	03/17/2010 0944
720-26648-2	HRS	Water	03/15/2010 1335	03/17/2010 0944
720-26648-3	LLR North	Water	03/15/2010 1123	03/17/2010 0944
720-26648-4	QAMW	Water	03/15/2010 0000	03/17/2010 0944

			Ger	neral Chemistry			
Client Sample ID:	CJS#2						
Lab Sample ID:	720-26648-1				D	ate Sampleo	d: 03/15/2010 1243
Client Matrix:	Water				C	ate Receive	d: 03/17/2010 0944
Analyte		Result	Qual	Units	RL	Dil	Method
Total Dissolved Soli	ds	490		mg/L	20	1.0	SM 2540C
	Analysis Batch: 720-6	67956	Date Analyzed	d: 03/19/2010 1357			

			Gen	eral Chemistry			
Client Sample ID:	HRS						
Lab Sample ID:	720-26648-2				D	ate Sample	d: 03/15/2010 1335
Client Matrix:	Water				D	ate Receive	ed: 03/17/2010 0944
Analyte		Result	Qual	Units	RL	Dil	Method
Total Dissolved Solid	S	740		mg/L	20	1.0	SM 2540C
A	Analysis Batch: 720-	67956	Date Analyzed	: 03/19/2010 1357			

			Gen	eral Chemistry			
Client Sample ID:	LLR North						
Lab Sample ID:	720-26648-3				D	ate Sample	d: 03/15/2010 1123
Client Matrix:	Water				D	ate Receive	d: 03/17/2010 0944
Analyte		Result	Qual	Units	RL	Dil	Method
Total Dissolved Sol	ids	510		mg/L	20	1.0	SM 2540C
	Analysis Batch: 720-	67956	Date Analyzed	I: 03/19/2010 1357			

			Gen	eral Chemistry			
Client Sample ID:	QAMW						
Lab Sample ID:	720-26648-4					Date Sampled	1: 03/15/2010 0000
Client Matrix:	Water					Date Receive	d: 03/17/2010 0944
Analyte		Result	Qual	Units	RL	Dil	Method
Total Dissolved Solid	ds	460		mg/L	20	1.0	SM 2540C
	Analysis Batch: 720-	67956	Date Analyzed	I: 03/19/2010 1357			

## DATA REPORTING QUALIFIERS

Lab Section

Qualifier

Description

### **Quality Control Results**

#### Client: TEAM Engineering & Management, Inc.

Job Number: 720-26648-1

### **QC Association Summary**

		Report			
Lab Sample ID	Client Sample ID	Basis	Client Matrix	Method	Prep Batch
General Chemistry					
Analysis Batch:720-67956					
LCS 720-67956/2	Lab Control Sample	Т	Water	SM 2540C	
LCSD 720-67956/3	Lab Control Sample Duplicate	Т	Water	SM 2540C	
MB 720-67956/1	Method Blank	Т	Water	SM 2540C	
720-26648-1	CJS#2	Т	Water	SM 2540C	
720-26648-2	HRS	Т	Water	SM 2540C	
720-26648-3	LLR North	Т	Water	SM 2540C	
720-26648-4	QAMW	Т	Water	SM 2540C	

#### Report Basis

T = Total

**Quality Control Results** 

Client: TEAM Engineering & Management, Inc.

Job Number: 720-26648-1

Method Blank - Bato	ch: 720-67956					Method: SM 2540C Preparation: N/A
Lab Sample ID: MB Client Matrix: Wate Dilution: 1.0 Date Analyzed: 03/1 Date Prepared: N/A	720-67956/1 er 9/2010 1357	Analysis I Prep Bato Units: n	Batch: 720- ch: N/A ng/L	67956		Instrument ID: No Equipment Assigned Lab File ID: N/A Initial Weight/Volume: 50 mL Final Weight/Volume: 50 mL
Analyte			Result		Qual	RL
Total Dissolved Solids			ND			20
Lab Control Sample Lab Control Sample	e/ e Duplicate Recovery Re	eport - Batc	h: 720-679	956		Method: SM 2540C Preparation: N/A
LCS Lab Sample ID: Client Matrix: Dilution: Date Analyzed: Date Prepared:	LCS 720-67956/2 Water 1.0 03/19/2010 1357 N/A	Analysis Prep Ba Units:	s Batch: 72 atch: N/A mg/L	0-67956		Instrument ID: No Equipment Assigned Lab File ID: N/A Initial Weight/Volume: 50 mL Final Weight/Volume: 50 mL
LCSD Lab Sample ID: Client Matrix: Dilution: Date Analyzed: Date Prepared:	LCSD 720-67956/3 Water 1.0 03/19/2010 1357 N/A	Analysis Prep Ba Units:	s Batch: 72 htch: N/A mg/L	0-67956		Instrument ID: No Equipment Assigned Lab File ID: N/A Initial Weight/Volume: 50 mL Final Weight/Volume: 50 mL
		<u>%</u>	Rec.		_	
Analyte		LCS	LCSD	Limit	RPD	) RPD Limit LCS Qual LCSD Qual

Calculations are performed before rounding to avoid round-off errors in calculated results.

STL San Francisco 1220 Quarry Lane

720- 26648 Chain of Custody Record

SEVERN STL

Client Contact	Project M	inager. Kei	th Painville			amilar. KP	Date: 2/15/10	COC No:
TEAM Engineering & Management Inc	Tal/Fav. 7	0-872-103	1210-028/			ah Contact: Dinula Sharma	Carton Bally	
P.O. Box 1265	TUTTAY. I	T analvsis T	urnaround	Time			Califier, Found	
Bishop, CA 93515	Calenda	r(C) or W	ork Days (V	M U				
(760)872-1033 Phone	TA	I if different fi	om Below 5	day				
(760)872-2131 FAX		2	weeks					SDG No.
Project Name: Hay Ranch 2.2		1	week					
Site: Rose Valley			2 days					
PO#			day	۰. ۱		1.021		
Sample Identification	Sample Date	Sample Time	Sample Type	Matrix	# of Cont.	TDS EPA		Sample Specific Notes:
<ul> <li>CJS#2</li> </ul>	3/15/10	12:43	Poly	M	-	×		
· HRS	3/15/10	13:35	Poly	W	1	x		4 
· LLR North	3/15/10	11:23	Poly	M	1			
· QAMW	3/15/10	00:00	Poly	W	1	×		
		y a						
		v						
		2 2						
Preservation Used: 1= Icc, 2= HCl; 3= H2SO4; 4	4=HNO3; 5-	=NaOH; 6=	Other					
Possible Hazard Identification	Skin Irritant		oison B		ктомп	Sample Disposal ( A fee may	' be assessed if samples are ret	ained longer than 1 month) thive For Months
Special Instructions/QC Requirements & Commer	ats: Please	e send re	sults (w	ith CO	C) via	email to keith@teambis	shop.com	
Ċ	Ţ							3.20
Relinquished by/Keith Rainville	Company: 1	EAM Eng.	& Mgmt	Date/Tim	e: 3/16/1	Received by:	Cler Company:	Z-17-10 941
Relinquished by:	Company:		V D	Date/Tim	8	Received by:	Company:	Date/Time:
Relinquished by:	Company:	, 		Date/Tim		Received by:	Company:	Date/Time:

#### Client: TEAM Engineering & Management, Inc.

Job Number: 720-26648-1

List Source: TestAmerica San Francisco

Login I	lumber:	26648
Creato	r: Mullen	, Joan

## List Number: 1

Question	T / F/ NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Is the Field Sampler's name present on COC?	True	
Sample Preservation Verified	True	