TEAM
ENGINEERING & MANAGEMENT, INC.
P.O. Box 1265, Bishop, California 93515-1265
760-872-1033 fax 760-872-2131

Mr. Marvin Moskowitz
County of Inyo Environmental Health Services
PO Box 427
Independence, CA 93526

June 28, 2013

RE: Request to Reduce Landfill Gas Monitoring Frequency, Shoshone and Tecopa Disposal Sites (SWIS #14-AA-006 and #14-AA-007), Inyo County

Dear Mr. Moskowitz:

TEAM Engineering & Management, Inc. (TEAM), under contract to Inyo County for landfill monitoring and compliance support, is please to provide the following packet regarding the pending request of Landfill Gas (LFG) monitoring frequency reduction at the Shoshone and Tecopa Disposal Sites. We believe a reduction in perimeter LFG monitoring at these two sites from quarterly to semi-annually would be protective of the public health, safety, and the environment, while resulting in a significant long-term cost savings to Inyo County due to the remote location of these former disposal sites.

The original request for a reduced frequency of monitoring was submitted by the Operator, Inyo County Integrated Waste Management, in October 2011. The basis for this request was a review of Title 27 requirements concerning perimeter LFG monitoring, specifically Chapter 3, Article 6, Section 20933(b), which is quoted and highlighted below:

Section 20933. CIWMB - Monitoring Frequency.

(a) At a minimum, quarterly monitoring is required.

(1) The EA may require more frequent monitoring based upon site specific factors, including those noted in Section 20923(a)(2), or as needed to protect public health or safety or the environment.

(2) More frequent monitoring may also be required at those locations where results of monitoring indicate that landfill gas migration is occurring or is accumulating in structures.

(3) The operator shall increase the monitoring frequency, as is necessary, to detect migrating gas and ensure compliance with Section 20921.

(b) For those MSWLF's that are permitted to accept for disposal 20 tons or less of municipal solid waste per day based on an annual average, the EA, with concurrence by the CIWMB, may reduce the frequencies for monitoring landfill gas after consideration of the unique characteristics of the MSWLF and its surroundings, climatic and hydrogeologic conditions, and protection of public health and safety and the environment. Any proposal by an operator for a reduced monitoring frequency shall be made available by the EA for public review for a minimum of 30 days to allow interested persons the opportunity to comment. The operator shall place in the operating record of the MSWLF documentation of the considerations, public comment, and EA approval and CIWMB concurrence for any alternative frequency. No reduced monitoring frequency shall be approved unless the EA and the CIWMB determine that the alternative monitoring schedule adequately protects the public health and safety and the environment. The Executive Director or the EA may condition, limit, suspend,

or terminate an operator's use of an alternative monitoring frequency if s/he or it determines that the alternative frequency may cause harm to public health and safety or the environment.

Consideration of these provisions under Title 27 Chapter 3, Article 6, Section 20933(b) were addressed in the original Operator's requests, which are provided as Attachment A. After review of these requests and the specific site conditions and historic data, which indicate that methane has never been detected above trace-levels at the perimeter wells at these disposal sites, your office (as LEA) issued a letter of concurrence dated November 4, 2011 (provided as Attachment B). After the issuance of that letter, we worked with David Otsubo and Mark de Bie at the California Resources Recycling and Recovery Department (CalRecycle, formerly the CIWMB) for guidance on how to complete the process of final approval of the request by the LEA with CalRecycle concurrence. In email correspondence from December 2011, Mr. Otsubo indicated that CalRecycle would only consider the request after the Operator's request be made available for a 30-day public comment period and that any public comments be considered by the LEA.

In cooperation with your office, a Public Notice soliciting any questions or comments concerning the proposed reduction in LFG frequency was prepared, and a public comment period was established from May 1 through May 31, 2013. The Public Notice and proof of publication in the newspaper of record are provided as Attachment C. In addition to the newspaper publication, a laminated copy of the Public Notice was posted to four public locations in the Shoshone and Tecopa area of southern Inyo County, on May 1: Shoshone Post Office, Charlie Brown General Store in Shoshone, Tecopa Hot Springs Community Center, and Tecopa Post Office. No direct mailing of the notice was conducted, as there are no structures existing within 1,000 feet of either disposal site. Based on communications with your office in June 2013, we understand no public comments or requests for the Operator's proposal were received.

Both Shoshone and Tecopa Disposal Sites have been closed to the public since 1998, and only waste generated by the Inyo County Road Department has been accepted at the disposal sites since that date. Based on the remote nature of these facilities, the lack of detections of methane in existing LFG probes, and consideration of the unique climatic and hydrogeologic conditions of the disposal sites, the reduction of monitoring frequency from quarterly to semi-annual would still be protective of the environment and the public health and safety. If methane is detected above trace-levels in any of the perimeter LFG probes during a semi-annual monitoring event, a quarterly monitoring could be resumed at the request of CalRecycle or the LEA.

TEAM will continue monitoring perimeter probes at the Shoshone and Tecopa Disposal Sites on a quarterly basis, until notified that this request has been approved. Semi-annually, LFG monitoring events are conducted concurrently with groundwater monitoring at these sites to reduce travel expenses associated with monitoring at these remote sites. If you have any questions associated with this request, contact us at your convenience.

Sincerely,
TEAM Engineering & Management, Inc.

Naomi Garcia
Project Scientist

cc: (via email)
Scott Eagan, Inyo County Integrated Waste Management
Noah Campbell, Geo-Logic Associates

Attachments:

A. Operator's Requests for Reduced LFG Monitoring Frequency at Shoshone and Tecopa Landfill, dated October 26, 2011
B. Preliminary Approval of Operator's Request by Local Enforcement Agency, dated November 4, 2011
C. Public Notice and Proof of Publication, May 2013
D. Quarterly LFG Monitoring Reports for Shoshone and Tecopa Disposal Sites, Fourth Quarter 2011 through Second Quarter 2013

ATTACHMENT A

OPERATOR'S REQUESTS FOR REDUCED LFG MONITORING FREQUENCY AT SHOSHONE AND TECOPA LANDFILLS, DATED OCTOBER 26, 2011

Integrated Waste Management
Parks and Recreation
Motor Pool

TEL. (760) 873-5577
FAX. (760) 873-5599
E-MAIL: chamilton@inyocounty.us

COUNTY OF INYO

Administrative Services
163 May Street
Bishop, California 93514

Marvin Moskowitz
Inyo County – Environmental Health Services
207 West South Street
Bishop, CA 93514

October 26, 2011

RE: REQUEST FOR REDUCED LANDFILL GAS MONITORING FREQUENCY, SHOSHONE LANDFILL, Inyo County, California (SWIS: 14-AA-006)

Dear Marvin:

Due to the remote nature of the Shoshone Landfill, as well as the fact that only trace level detections of Landfill Gases (LFG) have historically been measured at the Shoshone Landfill, Inyo County Integrated Waste Management (landfill operator) would like to propose a reduction of LFG sampling at the site. Perimeter LFG monitoring is currently required to be conducted on a quarterly basis. We propose a reduction to a semi-annual monitoring frequency, which would coincide with semi-annual groundwater monitoring at the site and result in significant cost savings to Inyo County.

Title 27, Chapter 3, Article 6, Section 20933 (b) states the following regarding LFG monitoring at Municipal Solid Waste Landfills (MSWLF):

"For those MSWLF's that are permitted to accept for disposal 20 tons or less of municipal solid waste per day based on an annual average, the EA, with concurrence by the CIWMB, may reduce the frequencies for monitoring landfill gas after consideration of the unique characteristics of the MSWLF and its surroundings, climatic and hydrogeologic conditions, and protection of public health and safety and the environment. Any proposal by an operator for a reduced monitoring frequency shall be made available by the EA for public review for a minimum of 30 days to allow interested persons the opportunity to comment. The operator shall place in the operating record of the MSWLF documentation of the considerations, public comment, and EA approval and CIWMB concurrence for any alternative frequency. No reduced monitoring frequency shall be approved unless the EA and the CIWMB determine that the alternative monitoring schedule adequately protects the public health and safety and the environment. The Executive Director or the EA may condition, limit, suspend, or terminate an operator's use of an alternative monitoring frequency if s/he or it determines that the alternative frequency may cause harm to public health and safety or the environment."

The location of the Shoshone landfill is approximately one and one-half miles west of the Town of Shoshone and is permitted to receive up to four tons of waste daily. The Shoshone Landfill has been closed to the public since 1998, and only minimal waste generated from the Inyo County Road Department is currently disposed at the site (~1-2 tons per year). The landfill is approximately one mile from the nearest dwelling and the area within 1,000 feet of the landfill has been designated as Open Space. According to the WDR for the site, the Amargosa River is located approximately one-half mile away and the precipitation in the area of the Landfill is approximately 4 inches annually with an approximately 84 inch annual evaporation rate.

We believe that a reduction in the frequency of sampling will continue to adequately protect the public health and safety and the environment because of the lack of detections in perimeter wells as well as the distances to the nearest potentially occupied buildings. If methane is identified in perimeter wells at the site during a semi-annual monitoring event, we propose monitoring shall return to a quarterly basis.

We believe that a reduction in the frequency of sampling will continue to adequately protect the public health and safety and the environment because of the lack of detections in perimeter wells as well as the distances to the nearest potentially occupied buildings. If methane is identified in perimeter wells at the site during a semi-annual monitoring event, we propose monitoring shall return to a quarterly basis.

We appreciate your consideration of this request and a response to indicate your acceptance. In the meantime, LFG monitoring will continue on a quarterly basis according to the current monitoring requirements. The next quarterly LFG monitoring event is scheduled for early November. If the LEA concurs with this reduction of frequency, our consultants would be available to post applicable notices in the Tecopa and Shoshone communities to solicit public comment during scheduled monitoring event(s).

Sincerely,

Chuck Hamilton
Deputy County Administrator
Inyo County Integrated Waste

Cc: Roxie Trost, BLM Barstow
Diane Nordstrom-Lamkin, CalRecycle
Noah Campbell-Lund, Geo-Logic, Inc.
Naomi Garcia, TEAM Engineering & Management, Inc.

Attachments

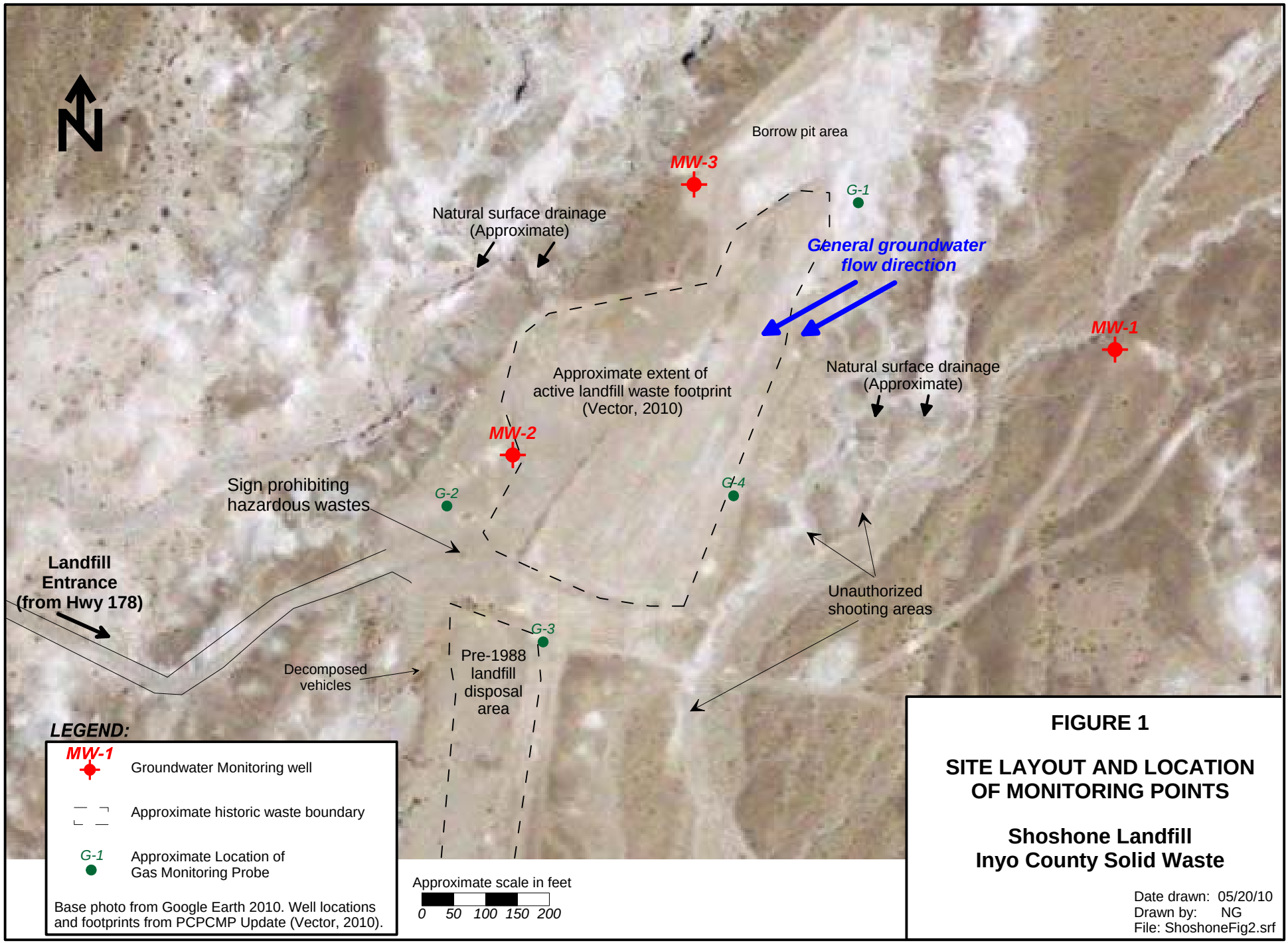

FIGURE 1

SITE LAYOUT AND LOCATION OF MONITORING POINTS

Shoshone Landfill
Inyo County Solid Waste

Date drawn: 05/20/10
Drawn by: NG
File: ShoshoneFig2.srf

TEAM
ENGINEERING & MANAGEMENT, INC.
Bishop and Mammoth Lakes, California

TABLE 1
Methane Concentrations - Previous Ten Years
Shoshone Landfill, Inyo County
WDID:6B140300009

Date	G-1		G-2		G-3		G-4	
	ppm	% LEL	ppm	% LEL	ppm	% LEL	ppm	% LEL
7/25/2001	180	0.02	0	0.00	120	0.01	20	0.00
2/13/2002	140	0.01	240	0.02	440	0.04	500	0.05
8/28/2002	540	0.05	100	0.01	740	0.07	360	0.04
1/17/2003	80	0.01	60	0.01	340	0.03	100	0.01
6/25/2003	480	0.05	320	0.03	1400	0.14	1020	0.10
9/25/2003	120	0.01	220	0.02	520	0.05	240	0.02
1/7/2004	80	0.01	0	0.00	580	0.06	940	0.09
4/19/2004	60	0.01	0	0.00	860	0.09	540	0.05
6/28/2004	420	0.04	480	0.05	640	0.06	800	0.08
12/29/2004	100	0.01	0	0.00	460	0.05	820	0.08
3/16/2005	160	0.02	0	0.00	640	0.06	480	0.05
6/29/2005	180	0.02	160	0.02	280	0.03	300	0.03
9/23/2005	0	0.00	0	0.00	140	0.01	100	0.01
1/16/2006	20	0.00	100	0.01	140	0.01	320	0.03
4/25/2006	160	0.02	80	0.01	200	0.02	220	0.02
6/21/2006	180	0.02	120	0.01	260	0.03	240	0.02
9/12/2006	80	0.01	0	0.00	200	0.02	140	0.01
1/10/2007	120	0.01	40	0.00	180	0.02	220	0.02
4/18/2007	180	0.02	240	0.02	500	0.05	360	0.04
9/14/2007	80	0.01	100	0.01	200	0.02	280	0.03
1/9/2008	20	0.00	0	0.00	0	0.00	80	0.01
4/25/2008	160	0.02	220	0.02	380	0.04	300	0.03
9/18/2008	80	0.01	180	0.02	240	0.02	300	0.03
1/9/2009	10	0.00	20	0.00	80	0.01	0	0.00
3/18/2009	40	0.00	20	0.00	0	0.00	80	0.01
	% by volume	% LEL	% by volume	% LEL	% by volume	% LEL	% by volume	% LEL
9/8/2010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11/11/2010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2/9/2011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5/3/2011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8/23/2011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

1) From 2001 to 2009 IWM conducted the monitoring with a Gastech Methane Detector, reading in parts per million (ppm). Values converted to equivalent % LEL by dividing ppm value by 10,000. LEL for Methane equals 5% by volume.
2) From 2010-2011 TEAM conducted the LFG monitoring with a Lantech GEM instrument which reads in percent LEL to the tenth of a percent.

Integrated Waste Management
Parks and Recreation
Motor Pool

TEL. (760) 873-5577
FAX. (760) 873-5599
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COUNTY OF INYO

Administrative Services
163 May Street
Bishop, California 93514

Marvin Moskowitz
Inyo County – Environmental Health Services
207 West South Street
Bishop, CA 93514

October 26, 2011

RE: REQUEST FOR REDUCED LANDFILL GAS MONITORING FREQUENCY, TECOPA LANDFILL, Inyo County, California (SWIS: 14-AA-007)

Dear Marvin:

Due to the remote nature of the Tecopa Landfill, as well as the fact that only trace level detections of Landfill Gases (LFG) have historically been measured at the Tecopa Landfill, Inyo County Integrated Waste Management (landfill operator) would like to propose a reduction of LFG sampling at the site. Perimeter LFG monitoring is currently required to be conducted on a quarterly basis. We propose a reduction to a semi-annual monitoring frequency, which would coincide with semi-annual groundwater monitoring at the site and result in significant cost savings to Inyo County.

Title 27, Chapter 3, Article 6, Section 20933 (b) states the following regarding LFG monitoring at Municipal Solid Waste Landfills (MSWLF):

"For those MSWLF's that are permitted to accept for disposal 20 tons or less of municipal solid waste per day based on an annual average, the EA, with concurrence by the CIWMB, may reduce the frequencies for monitoring landfill gas after consideration of the unique characteristics of the MSWLF and its surroundings, climatic and hydrogeologic conditions, and protection of public health and safety and the environment. Any proposal by an operator for a reduced monitoring frequency shall be made available by the EA for public review for a minimum of 30 days to allow interested persons the opportunity to comment. The operator shall place in the operating record of the MSWLF documentation of the considerations, public comment, and EA approval and CIWMB concurrence for any alternative frequency. No reduced monitoring frequency shall be approved unless the EA and the CIWMB determine that the alternative monitoring schedule adequately protects the public health and safety and the environment. The Executive Director or the EA may condition, limit, suspend, or terminate an operator's use of an alternative monitoring frequency if s/he or it determines that the alternative frequency may cause harm to public health and safety or the environment."

The location of the Tecopa landfill is approximately two and one-half miles southeast of the Town of Tecopa and is permitted to receive up to four tons of waste daily. The Tecopa Landfill has been closed to the public since 1998, and only minimal waste generated from the Inyo County Road Department is currently disposed at the site (~1-2 tons per year). The landfill is approximately 1.25 miles from the nearest dwelling and the area within 1,000 feet of the landfill has been designated as Open Space. According to the WDR for the site, there is no perennial surface water flow at the site and the precipitation in the area of the Landfill is approximately 4 inches annually with an approximately 84 inch annual evaporation rate.

Four new LFG monitoring probes were installed at the Tecopa Landfill in August 2010, to comply with Section 20917 of Title 27. Since the installation of these Title 27 LFG probes no methane has been detected at the landfill, as shown in the attached summary table.

We appreciate your consideration of this request and a response to indicate your acceptance. In the meantime, LFG monitoring will continue on a quarterly basis according to the current monitoring requirements. The next quarterly LFG monitoring event is scheduled for early November. If the LEA concurs with this reduction of frequency, our consultants would be available to post applicable notices in the Tecopa and Shoshone communities to solicit public comment during scheduled monitoring event(s).

Sincerely,

Chuck Hamilton
Deputy County Administrator
Inyo County Integrated Waste

Cc: Roxie Trost, BLM Barstow
Diane Nordstrom-Lamkin, CalRecycle
Noah Campbell-Lund, Geo-Logic, Inc.
Naomi Garcia, TEAM Engineering & Management, Inc.

Attachments

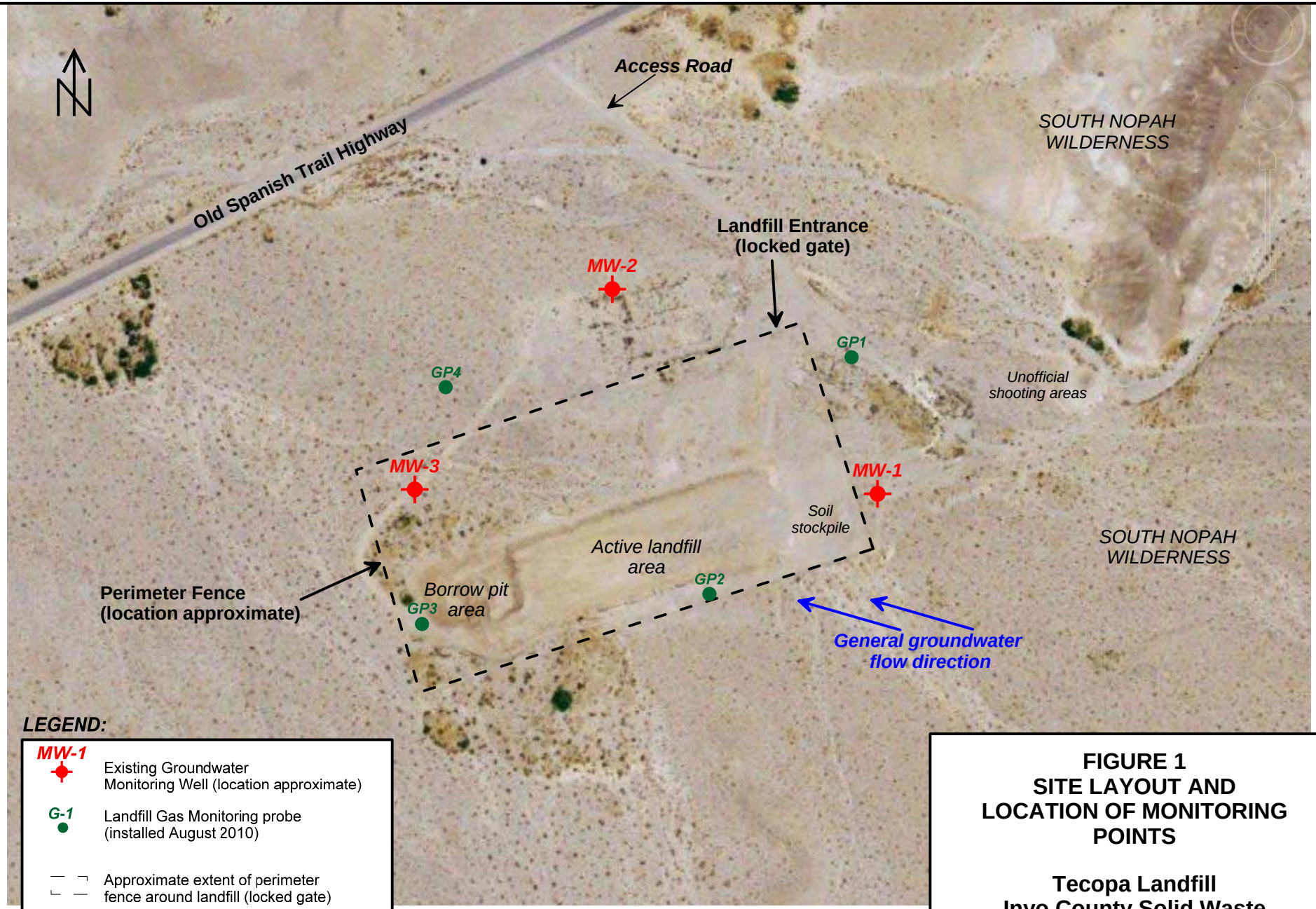


FIGURE 1
SITE LAYOUT AND LOCATION OF MONITORING POINTS

Tecopa Landfill
Inyo County Solid Waste

Date drawn: 11/2/10
Drawn by: NG
File: TecopaSite.srf

TEAM
ENGINEERING & MANAGEMENT, INC.
Bishop and Mammoth Lakes, California

TABLE 1
Methane Concentrations - Previous Ten Years
Tecopa Landfill, Inyo County
WDID: 6B140300010

Date	G-1		G-2		G-3		G-4	
	ppm	% LEL	ppm	% LEL	ppm	% LEL	ppm	% LEL
7/25/2001	360	0.04	440	0.04	340	0.03	340	0.03
2/13/2002	180	0.02	100	0.01	0	0.00	80	0.01
8/28/2002	480	0.05	360	0.04	560	0.06	340	0.03
1/17/2003	100	0.01	160	0.02	660	0.07	580	0.06
6/25/2003	1040	0.10	560	0.06	1600	0.16	1780	0.18
9/25/2003	380	0.04	440	0.04	660	0.07	940	0.09
1/7/2004	0	0.00	420	0.04	980	0.10	400	0.04
4/19/2004	80	0.01	360	0.04	860	0.09	540	0.05
6/28/2004	180	0.02	0	0.00	740	0.07	520	0.05
12/29/2004	100	0.01	380	0.04	820	0.08	400	0.04
3/16/2005	330	0.03	400	0.04	520	0.05	740	0.07
6/29/2005	180	0.02	120	0.01	240	0.02	200	0.02
9/23/2005	40	0.00	220	0.02	180	0.02	120	0.01
1/16/2006	20	0.00	140	0.01	180	0.02	160	0.02
4/25/2006	200	0.02	120	0.01	140	0.01	260	0.03
6/21/2006	280	0.03	200	0.02	160	0.02	300	0.03
9/12/2006	20	0.00	180	0.02	200	0.02	120	0.01
1/10/2007	160	0.02	100	0.01	220	0.02	160	0.02
4/18/2007	120	0.01	200	0.02	140	0.01	160	0.02
9/14/2007	0	0.00	120	0.01	140	0.01	60	0.01
1/9/2008	10	0.00	20	0.00	80	0.01	0	0.00
4/25/2008	180	0.02	220	0.02	200	0.02	180	0.02
9/18/2008	0	0.00	140	0.01	200	0.02	80	0.01
1/9/2009	20	0.00	0	0.00	0	0.00	80	0.01
3/18/2009	20	0.00	60	0.01	80	0.01	20	0.00
New Title 27-compliant LFG probes installed in August 2010								
	% by volume	%LEL	% by volume	% LEL	% by volume	% LEL	% by volume	%LEL
9/8/2010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11/11/2010	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2/9/2011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5/3/2011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8/23/2011	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

1) From 2001 to 2009 IWM conducted the monitoring with a Gastech Methane Detector, reading in parts per million (ppm). Values converted to equivalent % LEL by dividing ppm value by 10,000. LEL for Methane equals 5% by volume.

2) From 2010-2011 TEAM conducted the LFG monitoring with a Landtec GEM instrument which reads in percent by volume to the tenth of a percent.

ATTACHMENT B

PRELIMINARY APPROVAL OF OPERATOR'S REQUEST BY LOCAL ENFORCEMENT AGENCY, DATED NOVEMBER 4, 2011

Marvin Moskowitz
Director

Telephone (760) 878-0238
FAX (760) 878-0239

COUNTY OF INYO

ENVIRONMENTAL HEALTH SERVICES
P.O. Box 427
Independence, CA 93526

November 4, 2011

Chuck Hamilton
Integrated Waste Management
785 North Main Street
Bishop CA 93514

RE: Request for Reduced Landfill Gas Monitoring Frequencies at Tecopa (SWIS # 14-AA-007) and Shoshone (SWIS # 14-AA-006) Landfills

Dear Mr. Hamilton;

I have reviewed your requests for the implementation of reduced landfill gas monitoring frequencies for the Tecopa and Shoshone landfills. These facilities are now required to monitor quarterly and your request is to reduce monitoring to a semi-annual basis. After review of the relevant Title 27 requirements, and in consideration of the low usage, existing geological conditions, and the lack of any significant landfill gas in monitoring results to date, this office deems your request valid and reasonable, and does hereby approve the request. In order to officially institute the monitoring reductions, however, the requests must also be reviewed and approved by the California Department of Resources, Recycling and Recovery (CalRecycle). Towards this end, I will forward your requests to CalRecycle staff for their consideration. In the meantime, please continue to monitor at the existing quarterly frequencies and you will be formally notified in the near future of the final determination.

Sincerely,

Marvin Moskowitz
Director

Cc: Marge Comotto, CDRRR
Randy Friedlander, CDRRR
David Otsubo, CDRRR
Andrew Kirk, ICEHSD
Naomi Garcia, TEAM Engineering

ATTACHMENT C

PUBLIC NOTICE AND PROOF OF PUBLICATION, MAY 2013

Solicitation of Comments on Request for Reduced Landfill Gas Monitoring

PUBLIC NOTICE

Inyo County Environmental Health Department

Notice of Request to Reduce Landfill Gas Monitoring Frequencies at Shoshone Landfill (SWIS # 14-AA-006) and Tecopa Landfill (SWIS # 14-AA-007)

The Inyo County Environmental Health Department, serving as the Lead Enforcement Agency (LEA) for monitoring and compliance of Inyo County Solid Waste disposal sites, invites public comment on a request for reduced monitoring of landfill gas monitoring probes at the Tecopa and Shoshone Landfills in Southern Inyo County.

As allowed under Title 27, Chapter 3, Article 6, Section 20933 (b), the LEA, with concurrence by the California Department of Resources Recycling and Recovery (CalRecycle, formerly CIWMB), may reduce the frequencies for monitoring landfill gas after consideration of the unique characteristics of the Municipal Solid Waste Landfill. Any proposal by an operator for a reduced monitoring frequency shall be made available for public review for a minimum of 30 days to allow interested persons the opportunity to comment.

The Tecopa and Shoshone Landfills are currently closed to the public, accepting only minimal waste from the Inyo County Road Department. Perimeter landfill gas monitoring probes at each of these two landfills are currently monitored quarterly according to Title 27 requirements. The operator, Inyo County Integrated Waste Management (ICIWM), has submitted a request to reduce landfill gas monitoring to a semi-annual frequency, coinciding with groundwater monitoring at the two landfill sites as required by Waste Discharge Requirements issued by the California Regional Water Quality Control Board.

In consideration of the low usage, distances to the nearest potentially occupied buildings, existing geological conditions, and the lack of any significant landfill gas in monitoring results to date, the LEA concurs that a reduction in the frequency of sampling to semi-annually will continue to adequately protect the public health and safety, and the environment. The LEA intends to approve this request, following the public comment period, in June 2013.

To request a copy of the operator's proposal, or to submit comments, please contact Inyo County Environmental Health, P.O. Box 427, Independence, CA 93526 or *mmoskowitz@inyocounty.us*. Comments must be received no later than **May 31, 2013 at 5:00 pm**. If you have any questions about this notice or require more information contact Marvin Moskowitz, Director of Environmental Health Services, at the above listed addresses or call (760) 878-0261.

Publication Date (Inyo Register): 4/30/2013

PROOF OF PUBLICATION

(2015.5 C.C.P.)

This space is for County Clerk's Filing Stamp

STATE OF CALIFORNIA,
COUNTY OF INYO

I am a citizen of the United States and a resident of the County aforesaid. I am over the age of eighteen years, and not a party to or interested in the above-entitled matter. I am the principal clerk of the printer of the

The Inyo Register

Proof of Publication of

Public Notice

County of Inyo

The Inyo Register has been adjudged a newspaper of general circulation by the Superior Court of the County of Inyo, State of California, under date of Oct. 5, 1953, Case Number 5414; that the notice, of which the annexed is a printed copy (set in type not smaller than non-pareil), has been published in each regular and entire issue of said newspaper and not in any supplement thereof, on the following dates, to wit:

APRIL 30 AND
MAY 4, 11, 18, 25

in the year **2013**

I certify (or declare) under penalty of perjury that the foregoing is true and correct.
on this **28TH** day of **MAY, 2013**

C. Hurdle Sampatico
Signature

320 PUBLIC NOTICES

PUBLIC NOTICE
INYO COUNTY ENVIRONMENTAL HEALTH DEPARTMENT
NOTICE OF REQUEST TO REDUCE LANDFILL GAS MONITORING FREQUENCIES AT SHOSHONE LANDFILL (SWIS # 14-AA-006) AND TECOPA LANDFILL (SWIS # 14-AA-007)

The Inyo County Environmental Health Department, serving as the Lead Enforcement Agency (LEA) for monitoring and compliance of Inyo County Solid Waste disposal sites, invites public comment on a request for reduced monitoring of landfill gas monitoring probes at the Tecopa and Shoshone Landfills in Southern Inyo County.

As allowed under Title 27, Chapter 3, Article 6, Section 20933 (b), the LEA may reduce the frequencies for monitoring landfill gas after consideration of the unique characteristics of the Municipal Solid Waste Landfill. Any proposal by an operator for a reduced monitoring frequency shall be made available for public review for a minimum of 30 days to allow interested persons the opportunity to comment.

The operator, Inyo County Integrated Waste Management, has submitted a request to reduce landfill gas monitoring from quarterly to semi-annual frequency. The LEA intends to approve this request, following the public comment period, in June 2013. To request a copy of the operator's proposal, or to submit comments, please contact Marvin Moskowitz, Inyo County Environmental Health Director, P.O. Box 427, Independence, CA 93526 or email *mmoskowitz@inyo-county.us*. Comments must be received no later than **May 31, 2013 at 5:00 pm.**

(IR 4/30, 5/4, 5/11, 5/18, 5/25/13, #10604)

ATTACHMENT D

QUARTERLY LFG MONITORING REPORTS FOR SHOSHONE AND TECOPA DISPOSAL SITES, FOURTH QUARTER 2011 THROUGH SECOND QUARTER 2013

TEAM
ENGINEERING & MANAGEMENT, INC.
P.O. Box 1265, Bishop, California 93515-1265
760-872-1033 fax 760-872-2131

Mr. Marvin Moskowitz
County of Inyo Environmental Health Services
PO Box 427
Independence, CA 93526

November 17, 2011

RE: Fourth Quarter 2011 Landfill Gas Monitoring, Tecopa Landfill

Dear Mr. Moskowitz:

On behalf of the Inyo County Solid Waste Department, TEAM Engineering and Management, Inc. is pleased to present the results of the Fourth Quarter 2011 landfill gas (LFG) monitoring at the Tecopa Landfill. The LFG monitoring was performed by TEAM Engineering & Management, Inc. (TEAM) in accordance with the applicable sections of Title 27 of the California Code of Regulations.

The field report and a figure showing the monitoring locations are attached. Methane was not detected in any LFG perimeter wells during this monitoring event. If you require any additional information, please contact Naomi Garcia (760) 872-1033 at your convenience.

Sincerely,

TEAM Engineering & Management, Inc.
Naomi Garcia

cc: (via email)
Chuck Hamilton, Inyo County Solid Waste
Noah Campbell-Lund, Geo-Logic Associates
Randy Friedlander, CalRecycle Inspections Branch

GRAPHIC SCALE

100' 0' 50' 100' 200' 400'

NOTES:

1. EXISTING TOPOGRAPHY BASED ON COUNTY SURVEY IN 2005 AND UPDATED TO STATE-PLANE COORDINATES BY EASTERN SIERRA LAND SURVEYS, INC. IN MARCH, 2010.
2. PROBE LOCATIONS BASED ON CONSTRUCTION AS-BUILT PLANS DATED SEPTEMBER, 2010 BY VECTOR ENGINEERING.

LOCATION: N:\Inyo County\MONITORING REPORT FIGURES\TECOPA\LFG MONITORING 8.5x11 site plan AUSENCOIZED.dwg DATE: 11/16/2011 11:12 AM PLOT SCALE = 1:1 PLOTTED BY: ROBERT BROWN

DATE OF ISSUE: 11/11/2011
DESIGNED BY: KH
DRAWN BY: RPB
CHECKED BY: JVR/NCL
APPROVED BY: JVR/NCL

Geo-Logic ASSOCIATES

TECOPA LANDFILL

LFG QUARTERLY REPORT

INYO COUNTY, CA

LFG MONITORING PLAN

FIGURE NO.

1

PROJECT NO.

ISSUED FOR REPORT

TEAM
ENGINEERING & MANAGEMENT, INC.
P.O. Box 1265, Bishop CA 93514
760-872-1033 fax 760-872-2131

Project Name: ICSWE	**Date: 11/2/11**
Location: Tecopa Landfill	**Time: 9:49**
Field Technician(s): G. Foote, K. Rainville	**Page: 1 of 1**

Weather Conditions	**Clear, windy (10-15 mph)**
Ambient Temp: 65º	**Barometric Pressure: 28.82 @ 9:50.**
Instrument: Landtec GEM 2000, GilAir5 for purging	
Calibration: Calibrated prior to sampling	**- Bump check 2.5% CH4 reads 2.5%**
Date: 11/2/11	**Zero: CH4, O2**
Time: 9:50	**Span: 15% CH4, 15% CO2**

SURVEY OF EXISTING LFG PROBES:

Probe ID	Static Pressure *in H2O*	Purge Rate *LPM*	Purge E.T. *minutes*	Sample Time *hh:mm*	Methane *%*	Carbon Dioxide *%*	Oxygen *%*	Notes
G-1	-0.01	~4	~1	10:00	0.0	1.8	17.8	
G-2	0.00	~4	~1	10:21	0.0	0.0	20.2	resistance against GilAir pump
G-3	-0.01	~4	~1	10:15	0.0	0.4	19.8	
G-4	0.00	~4	~1	10:08	0.0	0.2	20	

STRUCTURE SURVEY:

Date	Time	Location:	Ambient CH_4 %	Maximum % CH_4 at Location
		No Structures on Site		

ADDITIONAL INFORMATION AND NOTES:

G-2 Gil Air Labored and pressure released when hose removed.

* After static pressure reading (GEM 2000), each well purged for >= 1 minute with GilAir at ~4 LPM. GEM then connected to well and readings collected once stable (0.5 LPM purge rate).

TEAM
ENGINEERING & MANAGEMENT, INC.
P.O. Box 1265, Bishop, California 93515-1265
760-872-1033 fax 760-872-2131

Mr. Marvin Moskowitz
County of Inyo Environmental Health Services
PO Box 427
Independence, CA 93526

November 17, 2011

RE: Fourth Quarter 2011 Landfill Gas Monitoring, Shoshone Landfill

Dear Mr. Moskowitz:

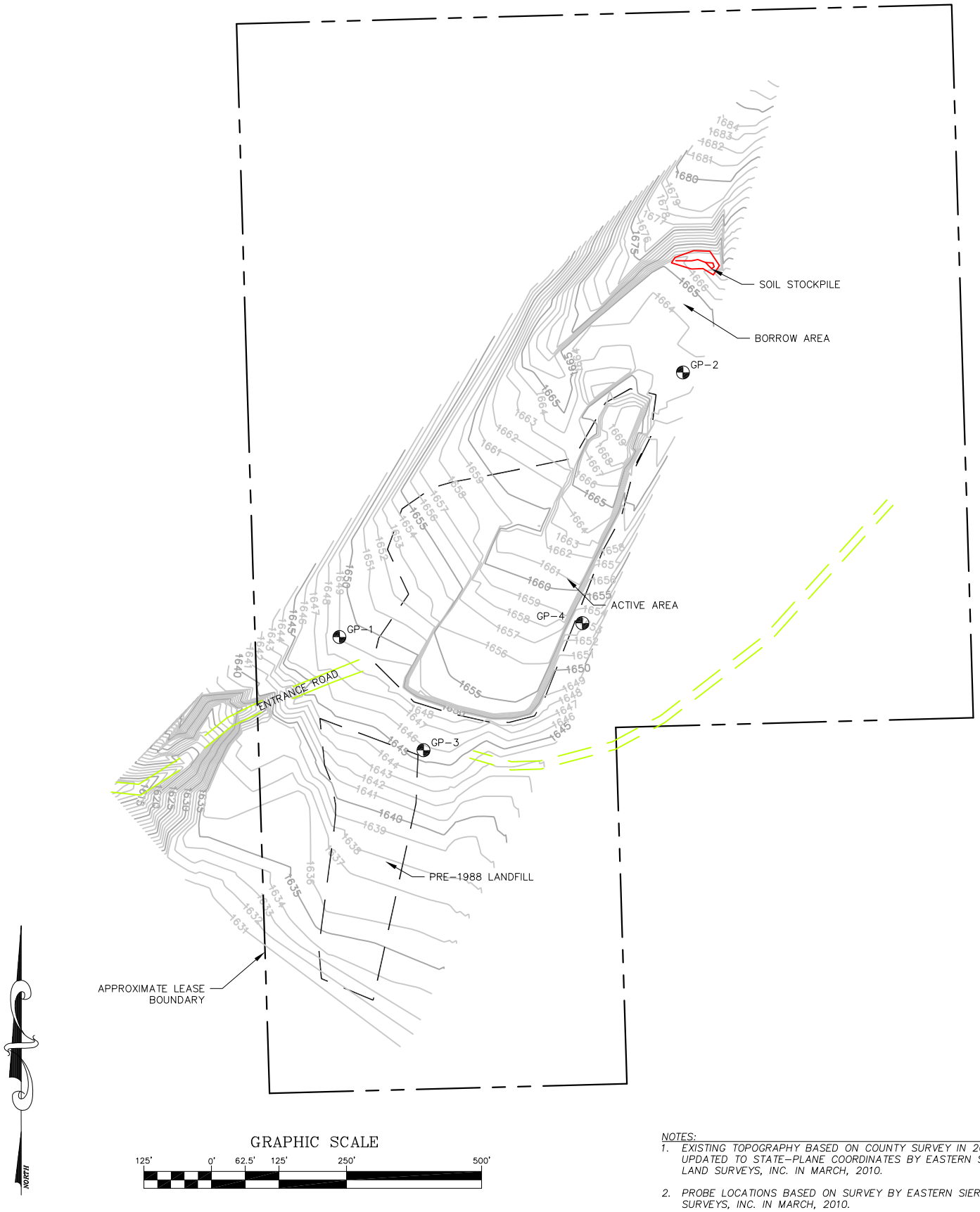
On behalf of the Inyo County Solid Waste Department, TEAM Engineering and Management, Inc. is pleased to present the results of the Fourth Quarter 2011 landfill gas (LFG) monitoring at the Shoshone Landfill. The LFG monitoring was performed by TEAM Engineering & Management, Inc. (TEAM) in accordance with the applicable sections of Title 27 of the California Code of Regulations.

The field report and a figure showing the monitoring locations are attached. Methane was not detected in any LFG perimeter wells during this monitoring event. If you require any additional information, please contact Naomi Garcia (760) 872-1033 at your convenience.

Sincerely,

TEAM Engineering & Management, Inc.
Naomi Garcia

cc: (via email)
Chuck Hamilton, Inyo County Solid Waste
Noah Campbell-Lund, Geo-Logic Associates
Randy Friedlander, CalRecycle Inspections Branch



GRAPHIC SCALE

125' 0' 62.5' 125' 250' 500'

NOTES:

1. EXISTING TOPOGRAPHY BASED ON COUNTY SURVEY IN 2005 AND UPDATED TO STATE-PLANE COORDINATES BY EASTERN SIERRA LAND SURVEYS, INC. IN MARCH, 2010.
2. PROBE LOCATIONS BASED ON SURVEY BY EASTERN SIERRA LAND SURVEYS, INC. IN MARCH, 2010.

DATE OF ISSUE: 11/11/2011
DESIGNED BY: KH
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Geo-Logic ASSOCIATES

SHOSHONE LANDFILL

LFG QUARTERLY REPORT

INYO COUNTY, CA

LFG MONITORING PLAN

FIGURE NO.

1

PROJECT NO.

LOCATION: N:\Inyo County\MONITORING REPORT FIGURES\SHOSHONE\LFG MONITORING 8.5x11 site plan AUSENCOIZED.dwg DATE: 11/16/2011 11:11 AM PLOT SCALE = 1:1 PLOTTED BY: ROBERT BROWN

ISSUED FOR REPORT

TEAM
ENGINEERING & MANAGEMENT, INC.
P.O. Box 1265, Bishop CA 93514
760-872-1033 fax 760-872-2131

Project Name: **ICSWE**	Date: 11**/1/11**
Location: **Shoshone Landfill**	Time: ~3:30
Field Technician(s): **G. Foote, K. Rainville**	Page: 1 of 1

Weather Conditions: **Clear, Warm, Windy**	
Ambient Temp: **~75°**	Barometric Pressure:
Instrument: **Landtec GEM 2000, GilAir5 for purging**	
Calibration: **Calibrated prior to sampling**	
Date: **11/1/11**	Zero: **CH4, O2**
Time: 3:30	Span: **15% CH4, 15% CO2**

SURVEY OF EXISTING LFG PROBES:

Probe ID	Static Pressure *in H2O*	Purge Rate *LPM*	Purge E.T. *minutes*	Sample Time *hh:mm*	Methane *%*	Carbon Dioxide *%*	Oxygen *%*	Notes
G-1	0.0	~4	~0.5	3:50	0.0	0.0	20.1	
G-2	0.0	~4	~0.5	3:42	0.0	0.1	19.8	
G-3	0.0	~4	~0.5	3:59	0.0	0.0	20	
G-4	0.0	~4	~0.5	3:55	0.0	0.5	18.4	

STRUCTURE SURVEY:

Date	Time	Location:	Ambient CH_4 %	Maximum % CH_4 at Location
		No Structures on Site		

ADDITIONAL INFORMATION AND NOTES:

* After static pressure reading (GEM 2000), each well purged for >= 1 minute with GilAir at ~4 LPM. GEM then connected to well and readings collected once stable (0.5 LPM purge rate).

TEAM
ENGINEERING & MANAGEMENT, INC.
P.O. Box 1265, Bishop, California 93515-1265
760-872-1033 fax 760-872-2131

Mr. Marvin Moskowitz
County of Inyo Environmental Health Services
PO Box 427
Independence, CA 93526

March 8, 2012

RE: First Quarter 2012 Landfill Gas Monitoring, Tecopa Landfill

Dear Mr. Moskowitz:

On behalf of the Inyo County Solid Waste Department, TEAM Engineering and Management, Inc. is pleased to present the results of the First Quarter 2012 landfill gas (LFG) monitoring at the Tecopa Landfill. The LFG monitoring was performed by TEAM Engineering & Management, Inc. (TEAM) in accordance with the applicable sections of Title 27 of the California Code of Regulations.

The field report and a figure showing the monitoring locations are attached. Methane was not detected in any LFG perimeter wells during this monitoring event. If you require any additional information, please contact Naomi Garcia (760) 872-1033 at your convenience.

Sincerely,
TEAM Engineering & Management, Inc.

Naomi Garcia

cc: (via email)
Jeff Ahlstrom, Inyo County Solid Waste
Noah Campbell, Geo-Logic Associates
Randy Friedlander, CalRecycle Inspections Branch

NOTES:

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2. PROBE LOCATIONS BASED ON CONSTRUCTION AS-BUILT PLANS DATED SEPTEMBER, 2010 BY VECTOR ENGINEERING.

LOCATION: N:\Inyo County\MONITORING REPORT FIGURES\TECOPA\LFG MONITORING 8.5x11 site plan AUSENCOIZED.dwg DATE: 11/16/2011 11:12 AM PLOT SCALE = 1:1 PLOTTED BY: ROBERT BROWN

DATE OF ISSUE: 11/11/2011
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APPROVED BY: JVR/NCL

Geo-Logic ASSOCIATES

TECOPA LANDFILL

LFG QUARTERLY REPORT

INYO COUNTY, CA

LFG MONITORING PLAN

FIGURE NO.

1

PROJECT NO.

ISSUED FOR REPORT

TEAM
ENGINEERING & MANAGEMENT, INC.
P.O. Box 1265, Bishop CA 93514
760-872-1033 fax 760-872-2131

Project Name: ICSWE	**Date: 2/9/12**
Location: Tecopa Landfill	**Time: 13:30**
Field Technician(s): N Garcia	**Page: 1 of 1**

Weather Conditions	**Calm, Clear**
Ambient Temp: 70°	**Barometric Pressure:**
Instrument: Landtec GEM 2000, GilAir5 for purging	
Calibration: Calibrated prior to sampling	**- Bump check 2.5% CH4 reads 2.5%@ 13:30**
Date: 2/9/12	**Zero: CH4, O2**
Time: 12:15	**Span: 15% CH4, 15% CO2**

SURVEY OF EXISTING LFG PROBES:

Probe ID	Static Pressure *in H2O*	Purge Rate *LPM*	Purge E.T. *minutes*	Sample Time *hh:mm*	Methane *%*	Carbon Dioxide *%*	Oxygen *%*	Notes
G-1	0.0	4	1	13:40	0.0	1.1	19.3	
G-2	0.0	4.5	1	14:12	0.0	0.1	20.1	
G-3	0.0	4	1	14:02	0.0	0.3	19.8	
G-4	0.0	4	1.5	13:49	0.0	0.1	20	

STRUCTURE SURVEY:

Date	Time	Location:	Ambient CH_4 %	Maximum % CH_4 at Location
		No Structures on Site		

ADDITIONAL INFORMATION AND NOTES:

* After static pressure reading (Magnahelic, 0-5 inH20), each well purged for >= 1 minute with GilAir at ~4 LPM. GEM then connected to well and readings collected once stable (0.5 LPM purge rate).

G-2 pressure after 1 min GilAir: -1.3, quickly dissipated. No problem purging.

TEAM
ENGINEERING & MANAGEMENT, INC.
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Mr. Marvin Moskowitz
County of Inyo Environmental Health Services
PO Box 427
Independence, CA 93526

March 8, 2012

RE: First Quarter 2012 Landfill Gas Monitoring, Shoshone Landfill

Dear Mr. Moskowitz:

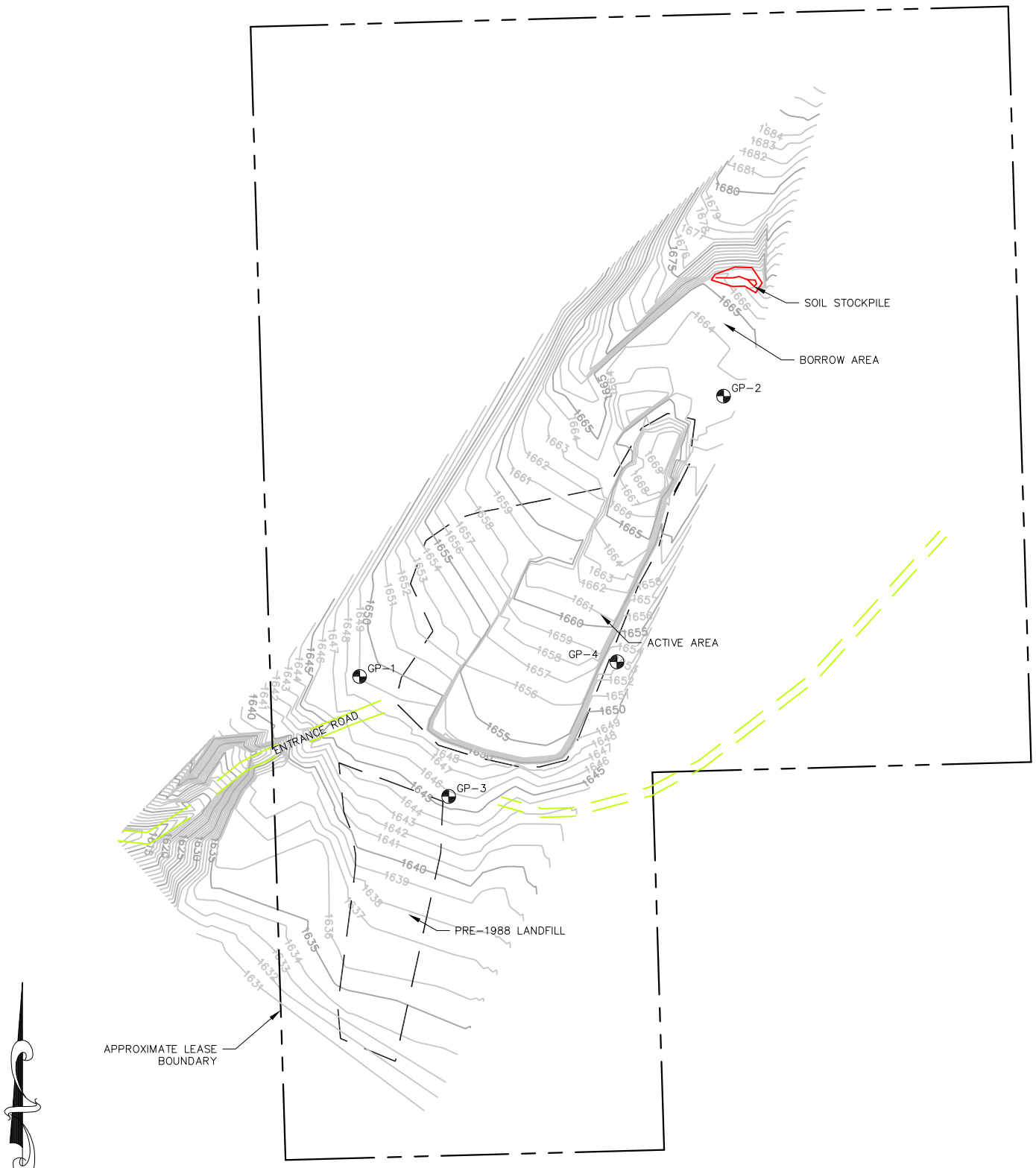
On behalf of the Inyo County Solid Waste Department, TEAM Engineering and Management, Inc. is pleased to present the results of the First Quarter 2012 landfill gas (LFG) monitoring at the Shoshone Landfill. The LFG monitoring was performed by TEAM Engineering & Management, Inc. (TEAM) in accordance with the applicable sections of Title 27 of the California Code of Regulations.

The field report and a figure showing the monitoring locations are attached. Methane was not detected in any LFG perimeter wells during this monitoring event. If you require any additional information, please contact Naomi Garcia (760) 872-1033 at your convenience.

Sincerely,
TEAM Engineering & Management, Inc.

Naomi Garcia

cc: (via email)
Jeff Ahlstrom, Inyo County Solid Waste
Noah Campbell, Geo-Logic Associates
Randy Friedlander, CalRecycle Inspections Branch



GRAPHIC SCALE

125' 0' 62.5' 125' 250' 500'

NOTES:

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2. PROBE LOCATIONS BASED ON SURVEY BY EASTERN SIERRA LAND SURVEYS, INC. IN MARCH, 2010.

LOCATION: N:\Inyo County\MONITORING REPORT FIGURES\SHOSHONE\LFG MONITORING 8.5x11 site plan AUSENCOIZED.dwg DATE: 11/16/2011 11:11 AM PLOT SCALE = 1:1 PLOTTED BY: ROBBERT BROWN

DATE OF ISSUE: 11/11/2011
DESIGNED BY: KH
DRAWN BY: RPB
CHECKED BY: JVR/NCL
APPROVED BY: JVR/NCL

Geo-Logic ASSOCIATES

SHOSHONE LANDFILL

LFG QUARTERLY REPORT

INYO COUNTY, CA

LFG MONITORING PLAN

FIGURE NO.

1

PROJECT NO.

ISSUED FOR REPORT

TEAM
ENGINEERING & MANAGEMENT, INC.
P.O. Box 1265, Bishop CA 93514
760-872-1033 fax 760-872-2131

Project Name: **ICSWE**	Date: 2/9/12
Location: **Shoshone Landfill**	Time: 12:00
Field Technician(s): **N Garcia**	Page: 1 of 1

Weather Conditions: **Clear, Calm**	
Ambient Temp: **65°**	Barometric Pressure: 28.54
Instrument: **Landtec GEM 2000, GilAir5 for purging**	
Calibration: **Calibrated prior to sampling**	
Date: **2/19/12**	Zero: **CH4, O2**
Time: 12:15	Span: **15% CH4, 15% CO2**

SURVEY OF EXISTING LFG PROBES:

Probe ID	Static Pressure *in H2O*	Purge Rate *LPM*	Purge E.T. *minutes*	Sample Time *hh:mm*	Methane *%*	Carbon Dioxide *%*	Oxygen *%*	Notes
G-1	0.0	~4	1	12:53	0.0	0.0	20.1	
G-2	0.0	~4	1	12:33	0.0	0.0	20.1	
G-3	0.0	~4	1	12:41	0.0	0.0	20	
G-4	0.0	~4	1	12:47	0.0	0.6	19.5	

STRUCTURE SURVEY:

Date	Time	Location:	Ambient CH_4 %	Maximum % CH_4 at Location
		No Structures on Site		

ADDITIONAL INFORMATION AND NOTES:

* After static pressure reading (Magnahelic, 0-5 inH2O), each well purged for >= 1 minute with GilAir at ~4 LPM. GEM then connected to well and readings collected once stable (0.5 LPM purge rate).

TEAM
ENGINEERING & MANAGEMENT, INC.
P.O. Box 1265, Bishop, California 93515-1265
760-872-1033 fax 760-872-2131

Mr. Marvin Moskowitz
County of Inyo Environmental Health Services
PO Box 427
Independence, CA 93526

May 29, 2012

RE: Second Quarter 2012 Landfill Gas Monitoring, Tecopa Landfill

Dear Mr. Moskowitz:

On behalf of the Inyo County Solid Waste Department, TEAM Engineering and Management, Inc. is pleased to present the results of the Second Quarter 2012 landfill gas (LFG) monitoring at the Tecopa Landfill. The LFG monitoring was performed by TEAM Engineering & Management, Inc. (TEAM) in accordance with the applicable sections of Title 27 of the California Code of Regulations.

The field report and a figure showing the monitoring locations are attached. Methane was not detected in any LFG perimeter well during this monitoring event. If you require any additional information, please contact Naomi Garcia (760) 872-1033 at your convenience.

Sincerely,
TEAM Engineering & Management, Inc.

Naomi Garcia

cc: (via email)
Jeff Ahlstrom, Inyo County Solid Waste
Noah Campbell, Geo-Logic Associates
Randy Friedlander, CalRecycle Inspections Branch

TEAM
ENGINEERING & MANAGEMENT, INC.
P.O. Box 1265, Bishop CA 93514
760-872-1033 fax 760-872-2131

Project Name: ICSWE	**Date: 5/2/12**
Location: Tecopa Landfill	**Time: 15:35**
Field Technician(s): N Garcia, G Foote	**Page: 1 of 1**

Weather Conditions	**Windy, Clear**	
Ambient Temp: 70°	**Barometric Pressure:**	28.13inHg@15:38 28.09 inHg@16:08
Instrument: Landtec GEM 2000, GilAir5 for purging		
Calibration: Calibrated prior to sampling		- Bump check 2.5% CH4 reads 2.4%@ 16:08
Date: 5/2/12	**Zero: CH4, O2**	
Time: 15:35	**Span: 15% CH4, 15% CO2**	

SURVEY OF EXISTING LFG PROBES:

Probe ID	Static Pressure *in H2O*	Purge Rate *LPM*	Purge E.T. *minutes*	Sample Time *hh:mm*	Methane *%*	Carbon Dioxide *%*	Oxygen *%*	Notes
G-1	0.0	~4.5	1	16:06	0.0	1.2	18.4	
G-2	0.0	~4.5	1	15:54	0.0	0.0	19.7	
G-3	0.0	~4.5	1	15:45	0.0	0.3	19.2	
G-4	0.0	~4.5	1	15:43	0.0	0.1	19.2	

STRUCTURE SURVEY:

Date	Time	Location:	Ambient CH_4 %	Maximum % CH_4 at Location
		No Structures on Site		

ADDITIONAL INFORMATION AND NOTES:

* After static pressure reading (GEM2000), each well purged for >= 1 minute with GilAir at ~4 LPM. GEM then connected to well and readings collected once stable (0.5 LPM purge rate).

NOTES:

1. EXISTING TOPOGRAPHY BASED ON COUNTY SURVEY IN 2005 AND UPDATED TO STATE-PLANE COORDINATES BY EASTERN SIERRA LAND SURVEYS, INC. IN MARCH, 2010.
2. PROBE LOCATIONS BASED ON CONSTRUCTION AS-BUILT PLANS DATED SEPTEMBER, 2010 BY VECTOR ENGINEERING.

LOCATION: N:\Inyo County\MONITORING REPORT FIGURES\TECOPA\LFG MONITORING 8.5x11 site plan AUSENCOIZED.dwg DATE: 11/16/2011 11:12 AM PLOT SCALE = 1:1 PLOTTED BY: ROBERT BROWN

DATE OF ISSUE: 11/11/2011
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APPROVED BY: JVR/NCL

Geo-Logic ASSOCIATES

TECOPA LANDFILL

LFG QUARTERLY REPORT

INYO COUNTY, CA

LFG MONITORING PLAN

FIGURE NO.

1

PROJECT NO.

ISSUED FOR REPORT

TEAM
ENGINEERING & MANAGEMENT, INC.
P.O. Box 1265, Bishop, California 93515-1265
760-872-1033 fax 760-872-2131

Mr. Marvin Moskowitz
County of Inyo Environmental Health Services
PO Box 427
Independence, CA 93526

May 29, 2012

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Sincerely,
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Naomi Garcia

cc: (via email)
Jeff Ahlstrom, Inyo County Solid Waste
Noah Campbell, Geo-Logic Associates
Randy Friedlander, CalRecycle Inspections Branch

TEAM
ENGINEERING & MANAGEMENT, INC.
P.O. Box 1265, Bishop CA 93514
760-872-1033 fax 760-872-2131

Project Name: **ICSWE**	Date: 5/2/12
Location: **Shoshone Landfill**	Time: 17:00
Field Technician(s): **G Foote/ N Garcia**	Page: 1 of 1

Weather Conditions: **Clear, Windy**		
Ambient Temp: **65°**	Barometric Pressure:	27.90 inHg@1706
Instrument: **Landtec GEM 2000, GilAir5 for purging**		
Calibration: **Calibrated prior to sampling**		
Date: **5/2/12**	Zero: **CH4, O2**	
Time: 17:00	Span: **15% CH4, 15% CO2**	Bump Check @ 17:06 = 2.4% CH4

SURVEY OF EXISTING LFG PROBES:

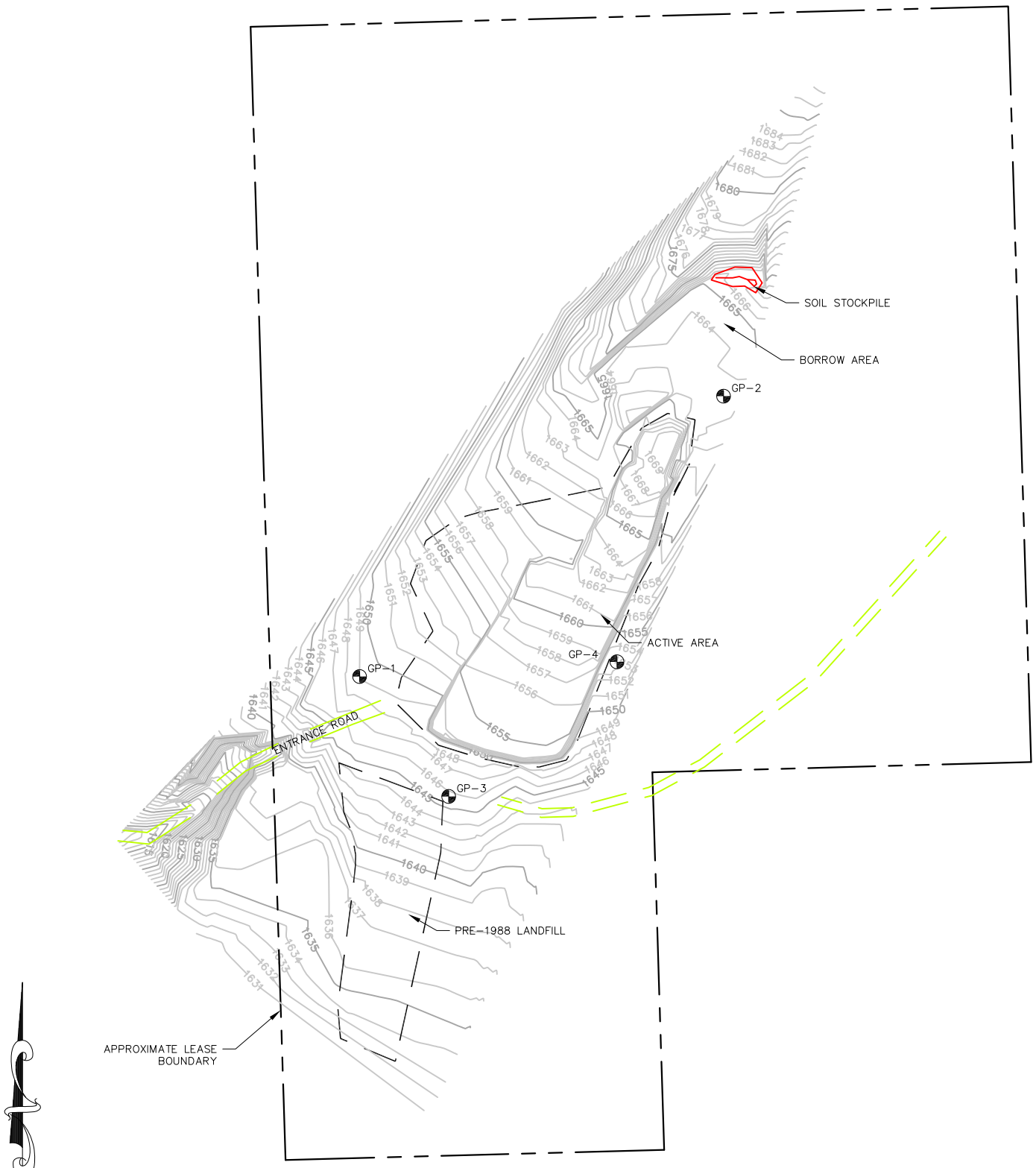
Probe ID	Static Pressure *in H2O*	Purge Rate *LPM*	Purge E.T. *minutes*	Sample Time *hh:mm*	Methane *%*	Carbon Dioxide *%*	Oxygen *%*	Notes
G-1	0.0	~4.5	1	17:10	0.0	0.0	19.7	
G-2	0.0	~4.5	1	17:17	0.0	0.0	19.6	
G-3	0.01	~4.5	1	17:24	0.0	0.0	19.6	
G-4	0.0	~4.5	1	17:29	0.0	0.5	19.3	

STRUCTURE SURVEY:

Date	Time	Location:	Ambient CH_4 %	Maximum % CH_4 at Location
		No Structures on Site		

ADDITIONAL INFORMATION AND NOTES:

* After static pressure reading (GEM2000), each well purged for >= 1 minute with GilAir at ~4 LPM. GEM then connected to well and readings collected once stable (0.5 LPM purge rate).



GRAPHIC SCALE

125' 0' 62.5' 125' 250' 500'

NOTES:

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Geo-Logic ASSOCIATES

SHOSHONE LANDFILL

LFG QUARTERLY REPORT

INYO COUNTY, CA

LFG MONITORING PLAN

FIGURE NO.

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PROJECT NO.

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TEAM
ENGINEERING & MANAGEMENT, INC.
P.O. Box 1265, Bishop, California 93515-1265
760-872-1033 fax 760-872-2131

Mr. Marvin Moskowitz
County of Inyo Environmental Health Services
PO Box 427
Independence, CA 93526

September 13, 2012

RE: Third Quarter 2012 Landfill Gas Monitoring, Tecopa Landfill

Dear Mr. Moskowitz:

On behalf of the Inyo County Solid Waste Department, TEAM Engineering and Management, Inc. is pleased to present the results of the Third Quarter 2012 landfill gas (LFG) monitoring at the Tecopa Landfill. The LFG monitoring was performed by TEAM Engineering & Management, Inc. (TEAM) on August 23, 2012, in accordance with the applicable sections of Title 27 of the California Code of Regulations.

The field report and a figure showing the monitoring locations are attached. Methane was not detected in any LFG perimeter well during this monitoring event. If you require any additional information, please contact Naomi Garcia (760) 872-1033 at your convenience.

Sincerely,
TEAM Engineering & Management, Inc.

Naomi Garcia
Project Scientist

cc: (via email)
Jeff Ahlstrom, Inyo County Integrated Waste Management
Noah Campbell, Geo-Logic Associates
Randy Friedlander, CalRecycle Inspections Branch

TEAM
ENGINEERING & MANAGEMENT, INC.
P.O. Box 1265, Bishop CA 93514
760-872-1033 fax 760-872-2131

Project Name: ICSWE	**Date: 8/23/12**
Location: Tecopa Landfill	**Time: 9:36**
Field Technician(s): G Foote	**Page: 1 of 1**

Weather Conditions	**Clear, Calm**		
Ambient Temp: 85°	**Barometric Pressure:**	28.34 inHg@9:37	28.34 inHg@10:09
Instrument: Landtec GEM 2000, GilAir5 for purging			
Calibration: Calibrated prior to sampling		- Bump check 2.5% CH4 reads 2.4%@ 9:43	
Date: 8/23/12	**Zero: CH4, O2**	- Bump check 2.5% CH4 reads 2.3%@ 10:10	
Time: 9:38	**Span: 15% CH4, 15% CO2**		

SURVEY OF EXISTING LFG PROBES:

Probe ID	Static Pressure *in H2O*	Purge Rate *LPM*	Purge E.T. *minutes*	Sample Time *hh:mm*	Methane *%*	Carbon Dioxide *%*	Oxygen *%*	Notes
G-1	0.0	~4.5	1	9:51	0.0	1.3	20.0	
G-2	0.0	~4.5	1	9:59	0.0	0.1	21.1	
G-3	0.0	~4.5	1	10:07	0.0	0.4	20.8	
G-4	0.0	~4.5	1	9:45	0.0	0.1	21.3	

STRUCTURE SURVEY:

Date	Time	Location:	Ambient CH_4 %	Maximum % CH_4 at Location
		No Structures on Site		

ADDITIONAL INFORMATION AND NOTES:

* After static pressure reading (GEM2000), each well purged for >= 1 minute with GilAir at ~4.5 LPM. GEM then connected to well and readings collected once stable (0.5 LPM purge rate).

Ambient Air reading @9:44 (CH4=0.0, CO2=0.0,O2=21.5). Ambient air reading @ 10:09 (CH4=0.0, CO2=0.0,O2=21.3)

NOTES:

1. EXISTING TOPOGRAPHY BASED ON COUNTY SURVEY IN 2005 AND UPDATED TO STATE-PLANE COORDINATES BY EASTERN SIERRA LAND SURVEYS, INC. IN MARCH, 2010.
2. PROBE LOCATIONS BASED ON CONSTRUCTION AS-BUILT PLANS DATED SEPTEMBER, 2010 BY VECTOR ENGINEERING.

LOCATION: N:\Inyo County\MONITORING REPORT FIGURES\TECOPA\LFG MONITORING 8.5x11 site plan AUSENCOIZED.dwg DATE: 11/16/2011 11:12 AM PLOT SCALE = 1:1 PLOTTED BY: ROBERT BROWN

DATE OF ISSUE: 11/11/2011
DESIGNED BY: KH
DRAWN BY: RPB
CHECKED BY: JVR/NCL
APPROVED BY: JVR/NCL

Geo-Logic ASSOCIATES

TECOPA LANDFILL

LFG QUARTERLY REPORT

INYO COUNTY, CA

LFG MONITORING PLAN

FIGURE NO.

1

PROJECT NO.

ISSUED FOR REPORT

TEAM
ENGINEERING & MANAGEMENT, INC.
P.O. Box 1265, Bishop, California 93515-1265
760-872-1033 fax 760-872-2131

Mr. Marvin Moskowitz
County of Inyo Environmental Health Services
PO Box 427
Independence, CA 93526

September 13, 2012

RE: Third Quarter 2012 Landfill Gas Monitoring, Shoshone Landfill

Dear Mr. Moskowitz:

On behalf of the Inyo County Solid Waste Department, TEAM Engineering and Management, Inc. is pleased to present the results of the Third Quarter 2012 landfill gas (LFG) monitoring at the Shoshone Landfill. The LFG monitoring was performed by TEAM Engineering & Management, Inc. (TEAM) on August 23, 2012, in accordance with the applicable sections of Title 27 of the California Code of Regulations.

The field report and a figure showing the monitoring locations are attached. Methane was not detected in any LFG perimeter well during this monitoring event. If you require any additional information, please contact Naomi Garcia (760) 872-1033 at your convenience.

Sincerely,
TEAM Engineering & Management, Inc.

Naomi Garcia
Project Scientist

cc: (via email)
Jeff Ahlstrom, Inyo County Integrated Waste Management
Noah Campbell, Geo-Logic Associates
Randy Friedlander, CalRecycle Inspections Branch

TEAM
ENGINEERING & MANAGEMENT, INC.
P.O. Box 1265, Bishop CA 93514
760-872-1033 fax 760-872-2131

Project Name: **ICSWE**	Date: 8/23/12
Location: **Shoshone Landfill**	Time: 10:48
Field Technician(s): **G Foote**	Page: 1 of 1

Weather Conditions: **Calm, clear - slight breeze**			
Ambient Temp: **90°**	Barometric Pressure:	28.13 inHg@10:50	28.13 inHg@11:18
Instrument: **Landtec GEM 2000, GilAir5 for purging**			
Calibration: **Calibrated prior to sampling**			
Date: **8/23/12**	Zero: **CH4, O2**	Bump Check @ 10:51 = 2.4% CH4	
Time: **10:49**	Span: **15% CH4, 15% CO2**	Bump Check @ 11:18 = 2.4% CH4	

SURVEY OF EXISTING LFG PROBES:

Probe ID	Static Pressure *in H2O*	Purge Rate *LPM*	Purge E.T. *minutes*	Sample Time *hh:mm*	Methane *%*	Carbon Dioxide *%*	Oxygen *%*	Notes
G-1	0.00	~4.5	~0.5	10:55	0.0	0.0	21.3	
G-2	0.00	~4.5	~0.5	11:02	0.0	0.0	20.9	
G-3	0.01	~4.5	~0.5	11:09	0.0	0.0	20.7	
G-4	0.00	~4.5	~0.5	11:16	0.0	0.4	20.4	

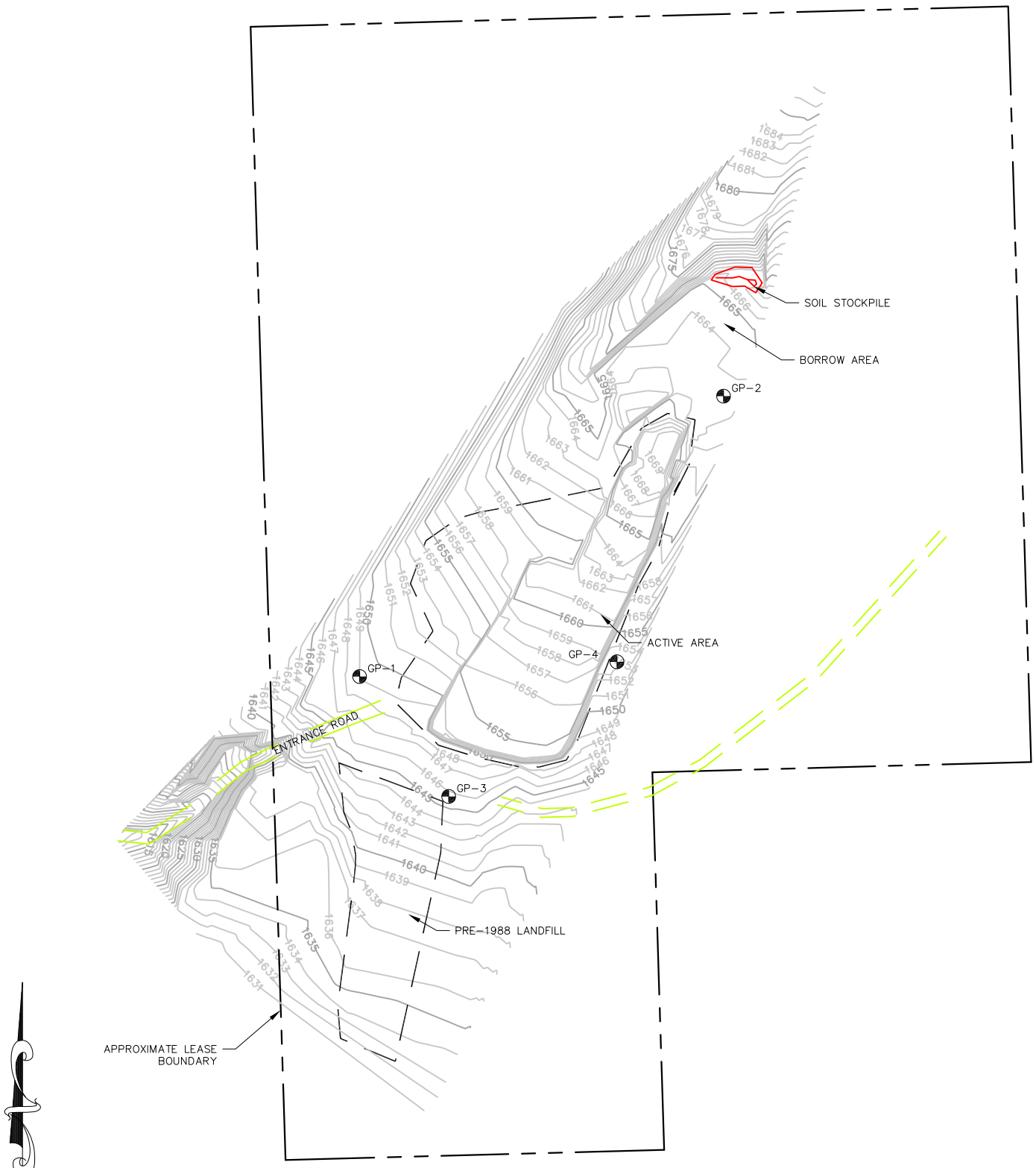
STRUCTURE SURVEY:

Date	Time	Location:	Ambient CH_4 %	Maximum % CH_4 at Location
		No Structures on Site		

ADDITIONAL INFORMATION AND NOTES:

* After static pressure reading (GEM2000), each well purged for >= 1 minute with GilAir at ~4.5 LPM. GEM then connected to well and readings collected once stable (0.5 LPM purge rate).

Ambient Air reading @10:54 (CH4=0.0, CO2=0.0,O2=21.5). Ambient air reading @ 11:17 (CH4=0.0, CO2=0.0,O2=21.3)



GRAPHIC SCALE

125' 0' 62.5' 125' 250' 500'

NOTES:

1. EXISTING TOPOGRAPHY BASED ON COUNTY SURVEY IN 2005 AND UPDATED TO STATE-PLANE COORDINATES BY EASTERN SIERRA LAND SURVEYS, INC. IN MARCH, 2010.
2. PROBE LOCATIONS BASED ON SURVEY BY EASTERN SIERRA LAND SURVEYS, INC. IN MARCH, 2010.

LOCATION: N:\Inyo County\MONITORING REPORT FIGURES\SHOSHONE\LFG MONITORING 8.5x11 site plan AUSENCOIZED.dwg DATE: 11/16/2011 11:11 AM PLOT SCALE = 1:1 PLOTTED BY: ROBBERT BROWN

DATE OF ISSUE: 11/11/2011
DESIGNED BY: KH
DRAWN BY: RPB
CHECKED BY: JVR/NCL
APPROVED BY: JVR/NCL

Geo-Logic ASSOCIATES

SHOSHONE LANDFILL

LFG QUARTERLY REPORT

INYO COUNTY, CA

LFG MONITORING PLAN

FIGURE NO.

1

PROJECT NO.

ISSUED FOR REPORT

TEAM
ENGINEERING & MANAGEMENT, INC.
P.O. Box 1265, Bishop, California 93515-1265
760-872-1033 fax 760-872-2131

Mr. Marvin Moskowitz
County of Inyo Environmental Health Services
PO Box 427
Independence, CA 93526

December 3, 2012

RE: Fourth Quarter 2012 Landfill Gas Monitoring, Tecopa Landfill

Dear Mr. Moskowitz:

On behalf of the Inyo County Solid Waste Department, TEAM Engineering and Management, Inc. is pleased to present the results of the Fourth Quarter 2012 landfill gas (LFG) monitoring at the Tecopa Landfill. The LFG monitoring was performed by TEAM Engineering & Management, Inc. (TEAM) on November 13, 2012, in accordance with the applicable sections of Title 27 of the California Code of Regulations.

The field report and a figure showing the monitoring locations are attached. Methane was not detected in any LFG perimeter well during this monitoring event. If you require any additional information, please contact Naomi Garcia (760) 872-1033 at your convenience.

Sincerely,
TEAM Engineering & Management, Inc.

Naomi Garcia
Project Scientist

cc: (via email)
Jeff Ahlstrom, Inyo County Integrated Waste Management
Noah Campbell, Geo-Logic Associates
Randy Friedlander, CalRecycle Inspections Branch

TEAM
ENGINEERING & MANAGEMENT, INC.
P.O. Box 1265, Bishop CA 93514
760-872-1033 fax 760-872-2131

Project Name: ICSWE	**Date: 11/13/12**
Location: Tecopa Landfill	**Time: 10:30**
Field Technician(s): G Foote	**Page: 1 of 1**

Weather Conditions	**Clear, Calm**
Ambient Temp:	**Barometric Pressure:**
Instrument: Landtec GEM 2000, GilAir5 for purging	
Calibration: Calibrated prior to sampling	
Date: 11/13/12	**Zero: CH4, O2**
Time: 10:20	**Span: 15% CH4, 15% CO2**

SURVEY OF EXISTING LFG PROBES:

Probe ID	Static Pressure *in H2O*	Purge Rate *LPM*	Purge E.T. *minutes*	Sample Time *hh:mm*	Methane *%*	Carbon Dioxide *%*	Oxygen *%*	Notes
G-1	0.0	~4.5	1	11:36	0.0	1.3	18.1	
G-2	NA	~4.5	1	11:17	0.0	0.1	19.0	
G-3	0.0	~4.5	1	10:35	0.0	0.4	19.0	
G-4	0.0	~4.5	1	12:04	0.0	0.1	18.9	

STRUCTURE SURVEY:

Date	Time	Location:	Ambient CH_4 %	Maximum % CH_4 at Location
		No Structures on Site		

ADDITIONAL INFORMATION AND NOTES:

* After static pressure reading (GEM2000), each well purged for >= 1 minute with GilAir at ~4.5 LPM. GEM then connected to well and readings collected once stable (0.5 LPM purge rate).

TEAM
ENGINEERING & MANAGEMENT, INC.
P.O. Box 1265, Bishop CA 93514
760-872-1033 fax 760-872-2131

Project Name: **ICSWE**	Date:
Location: Tecopa Landfill	Time:
Field Technician(s):	Page: of

PURGE CALCULATIONS ONLY

Weather Conditions:	
Ambient Temp:	Barometric Pressure:
Instrument:	
Calibration:	

SURVEY OF EXISTING LFG PROBES:

Probe ID	Diameter *in*	Radius *ft*	Area *ft2*	Total Length *ft*	Volume *ft3*	Volume *L*	Purge Time for 2 Casings *(0.5 LPM)*	Purge Time for 2 Casings *(4.0 LPM)*
GP-1	0.724	0.0302	0.0029	**20**	0.0571787	1.61912	**6** minutes	**0.8** minutes
GP-2	0.724	0.0302	0.0029	**20**	0.0571787	1.61912	**6** minutes	**0.8** minutes
GP-3	0.724	0.0302	0.0029	**15**	0.042884	1.21434	**5** minutes	**0.6** minutes
GP-4	0.724	0.0302	0.0029	**25**	0.0714734	2.0239	**8** minutes	**1.0** minutes

NOTES:

1. EXISTING TOPOGRAPHY BASED ON COUNTY SURVEY IN 2005 AND UPDATED TO STATE-PLANE COORDINATES BY EASTERN SIERRA LAND SURVEYS, INC. IN MARCH, 2010.
2. PROBE LOCATIONS BASED ON CONSTRUCTION AS-BUILT PLANS DATED SEPTEMBER, 2010 BY VECTOR ENGINEERING.

LOCATION: N:\Inyo County\MONITORING REPORT FIGURES\TECOPA\LFG MONITORING 8.5x11 site plan AUSENCOIZED.dwg DATE: 11/16/2011 11:12 AM PLOT SCALE = 1:1 PLOTTED BY: ROBERT BROWN

DATE OF ISSUE: 11/11/2011
DESIGNED BY: KH
DRAWN BY: RPB
CHECKED BY: JVR/NCL
APPROVED BY: JVR/NCL

Geo-Logic ASSOCIATES

TECOPA LANDFILL

LFG QUARTERLY REPORT

INYO COUNTY, CA

LFG MONITORING PLAN

FIGURE NO.

1

PROJECT NO.

ISSUED FOR REPORT

TEAM
ENGINEERING & MANAGEMENT, INC.
P.O. Box 1265, Bishop, California 93515-1265
760-872-1033 fax 760-872-2131

Mr. Marvin Moskowitz
County of Inyo Environmental Health Services
PO Box 427
Independence, CA 93526

December 3, 2012

RE: Fourth Quarter 2012 Landfill Gas Monitoring, Shoshone Landfill

Dear Mr. Moskowitz:

On behalf of the Inyo County Solid Waste Department, TEAM Engineering and Management, Inc. is pleased to present the results of the Fourth Quarter 2012 landfill gas (LFG) monitoring at the Shoshone Landfill. The LFG monitoring was performed by TEAM Engineering & Management, Inc. (TEAM) on November 13, 2012, in accordance with the applicable sections of Title 27 of the California Code of Regulations.

The field report and a figure showing the monitoring locations are attached. Methane was not detected in any LFG perimeter well during this monitoring event. If you require any additional information, please contact Naomi Garcia (760) 872-1033 at your convenience.

Sincerely,
TEAM Engineering & Management, Inc.

Naomi Garcia
Project Scientist

cc: (via email)
Jeff Ahlstrom, Inyo County Integrated Waste Management
Noah Campbell, Geo-Logic Associates
Randy Friedlander, CalRecycle Inspections Branch

TEAM
ENGINEERING & MANAGEMENT, INC.
P.O. Box 1265, Bishop CA 93514
760-872-1033 fax 760-872-2131

Project Name: **ICSWE**	Date: 11/13/12
Location: **Shoshone Landfill**	Time: 10:48
Field Technician(s): **N. Garcia**	Page: 1 of 1

Weather Conditions:	
Ambient Temp:	Barometric Pressure:
Instrument: **Landtec GEM 2000, GilAir5 for purging**	
Calibration: **Calibrated prior to sampling**	
Date:	Zero: **CH4, O2**
Time:	Span: **15% CH4, 15% CO2**

SURVEY OF EXISTING LFG PROBES:

Probe ID	Static Pressure *in H2O*	Purge Rate *LPM*	Purge E.T. *minutes*	Sample Time *hh:mm*	Methane *%*	Carbon Dioxide *%*	Oxygen *%*	Notes
G-1	0.00	~4.5	1	12:39	0.0	0.0	19.3	
G-2	0.00	~4.5	1	12:45	0.0	0.0	19.3	
G-3	0.00	~4.5	1	13:05	0.0	0.0	19.0	
G-4	0.00	~4.5	1	12:54	0.0	0.5	18.5	

STRUCTURE SURVEY:

Date	Time	Location:	Ambient CH_4 %	Maximum % CH_4 at Location
		No Structures on Site		

ADDITIONAL INFORMATION AND NOTES:

* After static pressure reading (GEM2000), each well purged for >= 1 minute with GilAir at ~4.5 LPM. GEM then connected to well and readings collected once stable (0.5 LPM purge rate).

TEAM
ENGINEERING & MANAGEMENT, INC.
P.O. Box 1265, Bishop CA 93514
760-872-1033 fax 760-872-2131

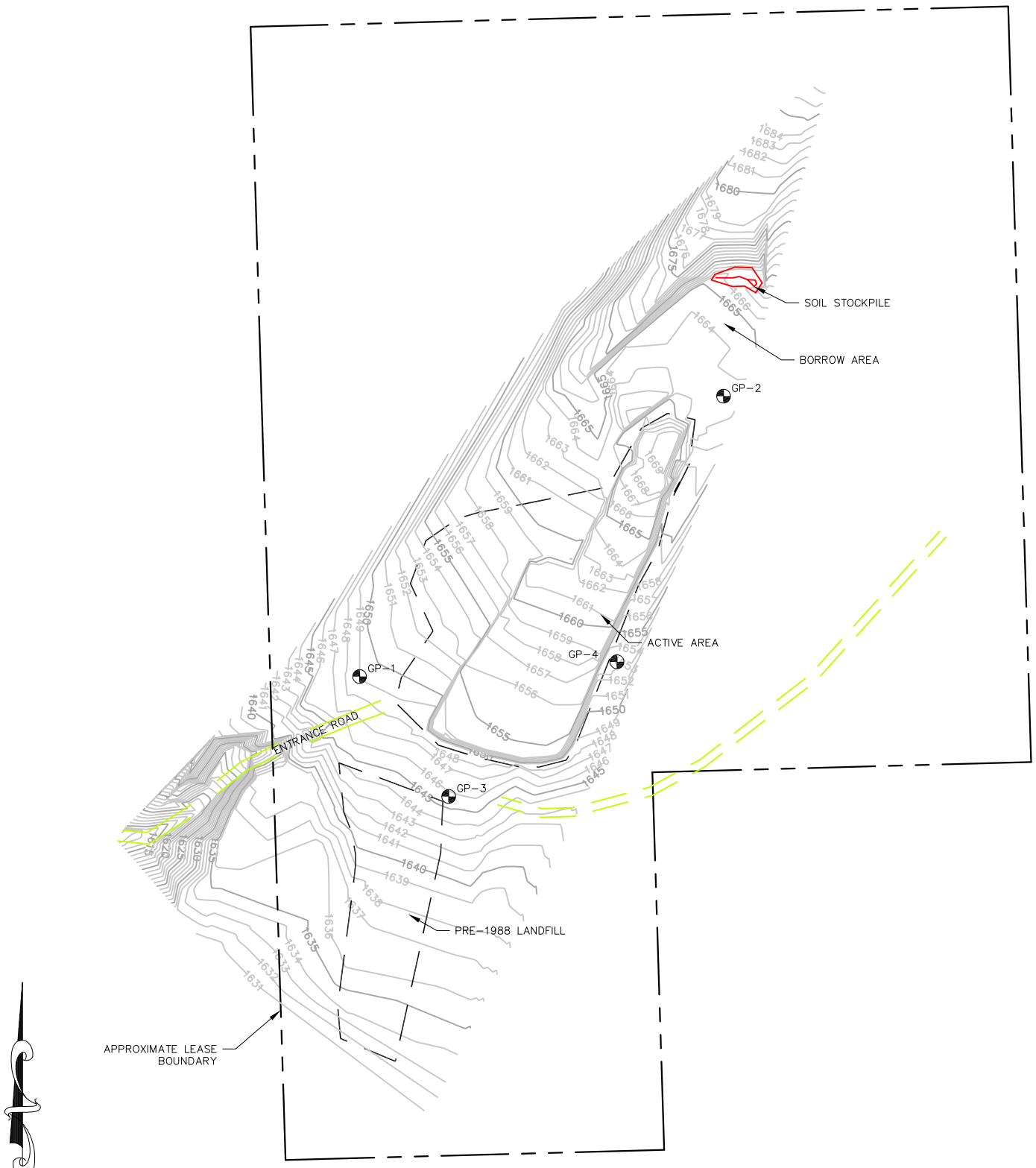
Project Name: **ICSWE**	Date:
Location: **Shoshone Landfill**	Time:
Field Technician(s):	Page: **1** of **1**

PURGE CALCULATIONS ONLY

Weather Conditions:	
Ambient Temp:	Barometric Pressure:
Instrument:	
Calibration:	

SURVEY OF EXISTING LFG PROBES:

Probe ID	Diameter *in*	Radius *ft*	Area *ft2*	Total Length *ft*	Volume *ft3*	Volume *L*	Purge Time for 2 Casings *(0.5 LPM)*	Purge Time for 2 Casings *(4.0 LPM)*
GP-1	0.724	0.0302	0.0029	**10**	0.0285894	0.80956	**3** minutes	**0.4** minutes
GP-2	0.724	0.0302	0.0029	**10**	0.0285894	0.80956	**3** minutes	**0.4** minutes
GP-3	0.724	0.0302	0.0029	**10**	0.0285894	0.80956	**3** minutes	**0.4** minutes
GP-4	0.724	0.0302	0.0029	**10**	0.0285894	0.80956	**3** minutes	**0.4** minutes



GRAPHIC SCALE

125' 0' 62.5' 125' 250' 500'

NOTES:

1. EXISTING TOPOGRAPHY BASED ON COUNTY SURVEY IN 2005 AND UPDATED TO STATE-PLANE COORDINATES BY EASTERN SIERRA LAND SURVEYS, INC. IN MARCH, 2010.
2. PROBE LOCATIONS BASED ON SURVEY BY EASTERN SIERRA LAND SURVEYS, INC. IN MARCH, 2010.

LOCATION: N:\Inyo County\MONITORING REPORT FIGURES\SHOSHONE\LFG MONITORING 8.5x11 site plan AUSENCOIZED.dwg DATE: 11/16/2011 11:11 AM PLOT SCALE = 1:1 PLOTTED BY: ROBBERT BROWN

DATE OF ISSUE: 11/11/2011
DESIGNED BY: KH
DRAWN BY: RPB
CHECKED BY: JVR/NCL
APPROVED BY: JVR/NCL

Geo-Logic ASSOCIATES

SHOSHONE LANDFILL

LFG QUARTERLY REPORT

INYO COUNTY, CA

LFG MONITORING PLAN

FIGURE NO.

1

PROJECT NO.

ISSUED FOR REPORT

TEAM
ENGINEERING & MANAGEMENT, INC.
P.O. Box 1265, Bishop, California 93515-1265
760-872-1033 fax 760-872-2131

Mr. Marvin Moskowitz
County of Inyo Environmental Health Services
PO Box 427
Independence, CA 93526

March 4, 2013

RE: First Quarter 2013 Landfill Gas Monitoring, Tecopa Landfill

Dear Mr. Moskowitz:

On behalf of the Inyo County Solid Waste Department, TEAM Engineering and Management, Inc. is pleased to present the results of the First Quarter 2013 landfill gas (LFG) monitoring at the Tecopa Landfill. The LFG monitoring was performed by TEAM Engineering & Management, Inc. (TEAM) on February 11, 2013, in accordance with the applicable sections of Title 27 of the California Code of Regulations.

The field report and a figure showing the monitoring locations are attached. Methane was not detected in any LFG perimeter well during this monitoring event. If you require any additional information, please contact Naomi Garcia (760) 872-1033 at your convenience.

Sincerely,
TEAM Engineering & Management, Inc.

Naomi Garcia
Project Scientist

cc: (via email)
Jeff Ahlstrom, Inyo County Integrated Waste Management
Noah Campbell, Geo-Logic Associates
Randy Friedlander, CalRecycle Inspections Branch

TEAM
ENGINEERING & MANAGEMENT, INC.
P.O. Box 1265, Bishop CA 93514
760-872-1033 fax 760-872-2131

Project Name: ICSWE	**Date: 2/11/13**
Location: Tecopa Landfill	**Time: 9:15**
Field Technician(s): G Foote	**Page: 1 of 1**

Weather Conditions	**Windy, Cool ~40°**		
Ambient Temp:	**Barometric Pressure:**	**28.71@9:16**	**28.71@9:58**
Instrument: Landtec GEM 2000, GilAir5 for purging			
Calibration: Calibrated prior to sampling			
Date: 2/11/13	**Zero: CH4, O2**		
Time: 9:17	**Span: 15% CH4, 15% CO2**	**20.9% O2**	**2.5%CH4 reads 2.3% @959**

SURVEY OF EXISTING LFG PROBES:

Probe ID	Static Pressure *in H2O*	Purge Rate *LPM*	Purge E.T. *minutes*	Sample Time *hh:mm*	Methane *%*	Carbon Dioxide *%*	Oxygen *%*	Notes
G-1	0.02	~4.5	1	9:25	0.0	1.8	21.6	
G-2	0.01	~4.5	1	9:47	0.0	0.0	22.6	
G-3	0.02	~4.5	1	9:58	0.0	0.4	22.4	
G-4	0.00	~4.5	1	9:34	0.0	0.1	22.5	

STRUCTURE SURVEY:

Date	Time	Location:	Ambient CH_4 %	Maximum % CH_4 at Location
		No Structures on Site		

ADDITIONAL INFORMATION AND NOTES:

* After static pressure reading (GEM2000), each well purged for >= 1 minute with GilAir at ~4.5 LPM. GEM then connected to well and readings collected once stable (0.5 LPM purge rate).

Recommend to put locks on wells G-2 and G-3.

NOTES:

1. EXISTING TOPOGRAPHY BASED ON COUNTY SURVEY IN 2005 AND UPDATED TO STATE-PLANE COORDINATES BY EASTERN SIERRA LAND SURVEYS, INC. IN MARCH, 2010.
2. PROBE LOCATIONS BASED ON CONSTRUCTION AS-BUILT PLANS DATED SEPTEMBER, 2010 BY VECTOR ENGINEERING.

LOCATION: N:\Inyo County\MONITORING REPORT FIGURES\TECOPA\LFG MONITORING 8.5x11 site plan AUSENCOIZED.dwg DATE: 11/16/2011 11:12 AM PLOT SCALE = 1:1 PLOTTED BY: ROBERT BROWN

DATE OF ISSUE: 11/11/2011
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APPROVED BY: JVR/NCL

Geo-Logic ASSOCIATES

TECOPA LANDFILL

LFG QUARTERLY REPORT

INYO COUNTY, CA

LFG MONITORING PLAN

FIGURE NO.

1

PROJECT NO.

ISSUED FOR REPORT

TEAM
ENGINEERING & MANAGEMENT, INC.
P.O. Box 1265, Bishop, California 93515-1265
760-872-1033 fax 760-872-2131

Mr. Marvin Moskowitz
County of Inyo Environmental Health Services
PO Box 427
Independence, CA 93526

March 4, 2013

RE: First Quarter 2013 Landfill Gas Monitoring, Shoshone Landfill

Dear Mr. Moskowitz:

On behalf of the Inyo County Solid Waste Department, TEAM Engineering and Management, Inc. is pleased to present the results of the First Quarter 2013 landfill gas (LFG) monitoring at the Shoshone Landfill. The LFG monitoring was performed by TEAM Engineering & Management, Inc. (TEAM) on February 11, 2013, in accordance with the applicable sections of Title 27 of the California Code of Regulations.

The field report and a figure showing the monitoring locations are attached. Methane was not detected in any LFG perimeter well during this monitoring event. If you require any additional information, please contact Naomi Garcia (760) 872-1033 at your convenience.

Sincerely,
TEAM Engineering & Management, Inc.

Naomi Garcia
Project Scientist

cc: (via email)
Jeff Ahlstrom, Inyo County Integrated Waste Management
Noah Campbell, Geo-Logic Associates
Randy Friedlander, CalRecycle Inspections Branch

TEAM
ENGINEERING & MANAGEMENT, INC.
P.O. Box 1265, Bishop CA 93514
760-872-1033 fax 760-872-2131

Project Name: **ICSWE**	Date: 2/11/13
Location: **Shoshone Landfill**	Time: 10:35
Field Technician(s): **G. Foote**	Page: 1 of 1

Weather Conditions:

Ambient Temp: | Barometric Pressure: 28.52@10:39 28.52@11:05

Instrument: **Landtec GEM 2000, GilAir5 for purging**

Calibration: **Calibrated prior to sampling**

Date: **2/11/13** Zero: **CH4, O2**

Time: **10:38** Span: **2.5% CH4, 15% CO2** Bump @ 11:05 2.5% CH4 reads 2.4%

SURVEY OF EXISTING LFG PROBES:

Probe ID	Static Pressure *in H2O*	Purge Rate *LPM*	Purge E.T. *minutes*	Sample Time *hh:mm*	Methane *%*	Carbon Dioxide *%*	Oxygen *%*	Notes
G-1	-0.01	~4.5	~0.5	10:41	0.0	0.0	20.7	
G-2	0.03	~4.5	~0.5	11:03	0.0	0.0	20.8	
G-3	0.03	~4.5	~0.5	10:56	0.0	0.0	20.7	
G-4	0.00	~4.5	~0.5	10:50	0.0	0.6	19.6	

STRUCTURE SURVEY:

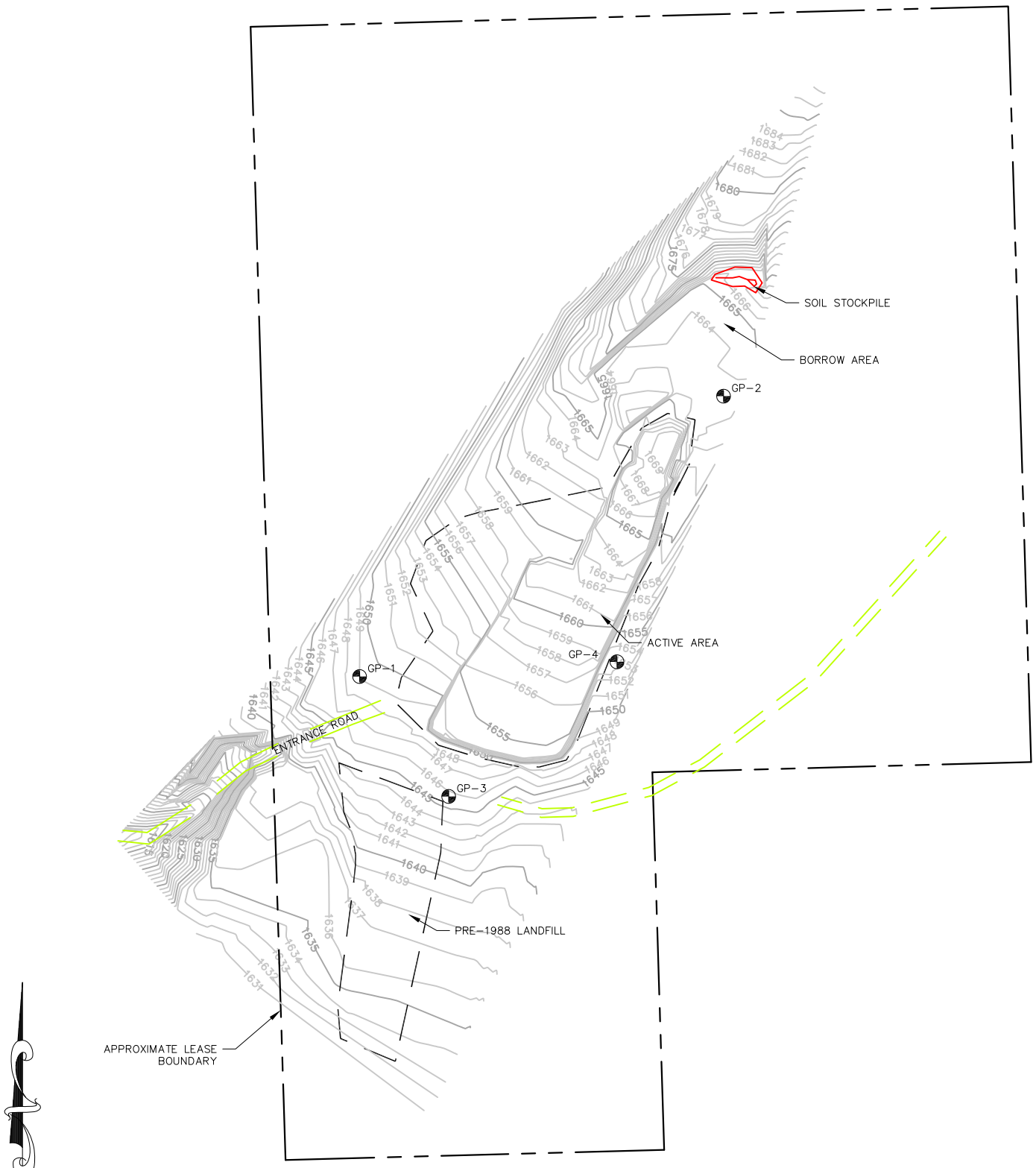
Date	Time	Location:	Ambient CH_4 %	Maximum % CH_4 at Location
		No Structures on Site		

ADDITIONAL INFORMATION AND NOTES:

* After static pressure reading (GEM2000), each well purged for >= 1 minute with GilAir at ~4.5 LPM. GEM then connected to well and readings collected once stable (0.5 LPM purge rate).

Fresh air readings @ 10:39 = 0.0, 0.0, 20.8, 79.2

@11:04 = 0.0, 0.0, 20.9, 79.1



GRAPHIC SCALE

125' 0' 62.5' 125' 250' 500'

NOTES:

1. EXISTING TOPOGRAPHY BASED ON COUNTY SURVEY IN 2005 AND UPDATED TO STATE-PLANE COORDINATES BY EASTERN SIERRA LAND SURVEYS, INC. IN MARCH, 2010.
2. PROBE LOCATIONS BASED ON SURVEY BY EASTERN SIERRA LAND SURVEYS, INC. IN MARCH, 2010.

LOCATION: N:\Inyo County\MONITORING REPORT FIGURES\SHOSHONE\LFG MONITORING 8.5x11 site plan AUSENCOIZED.dwg DATE: 11/16/2011 11:11 AM PLOT SCALE = 1:1 PLOTTED BY: ROBBERT BROWN

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APPROVED BY: JVR/NCL

Geo-Logic ASSOCIATES

SHOSHONE LANDFILL

LFG QUARTERLY REPORT

INYO COUNTY, CA

LFG MONITORING PLAN

FIGURE NO.

1

PROJECT NO.

ISSUED FOR REPORT

TEAM
ENGINEERING & MANAGEMENT, INC.
P.O. Box 1265, Bishop, California 93515-1265
760-872-1033 fax 760-872-2131

Mr. Marvin Moskowitz
County of Inyo Environmental Health Services
PO Box 427
Independence, CA 93526

June 13, 2013

RE: Second Quarter 2013 Landfill Gas Monitoring, Tecopa Landfill

Dear Mr. Moskowitz:

On behalf of the Inyo County Solid Waste Department, TEAM Engineering and Management, Inc. is pleased to present the results of the Second Quarter 2013 landfill gas (LFG) monitoring at the Tecopa Landfill. The LFG monitoring was performed by TEAM Engineering & Management, Inc. (TEAM) on May 1, 2013, in accordance with the applicable sections of Title 27 of the California Code of Regulations.

The field report and a figure showing the monitoring locations are attached. Methane was not detected in any LFG perimeter well during this monitoring event. If you require any additional information, please contact Naomi Garcia (760) 872-1033 at your convenience.

Sincerely,
TEAM Engineering & Management, Inc.

Naomi Garcia
Project Scientist

cc: (via email)
Scott Eagan, Inyo County Integrated Waste Management
Noah Campbell, Geo-Logic Associates
Randy Friedlander, CalRecycle Inspections Branch

TEAM
ENGINEERING & MANAGEMENT, INC.
P.O. Box 1265, Bishop CA 93514
760-872-1033 fax 760-872-2131

Project Name: ICSWE	**Date: 5/1/13**
Location: Tecopa Landfill	**Time: 4:40**
Field Technician(s): G Foote/N Garcia	**Page: 1 of 1**

Weather Conditions	**Windy, (20-30mph)**			
Ambient Temp: ~80	**Barometric Pressure:**	**28.47@4:45**	**28.47@5:16**	
Instrument: Landtec GEM 2000, GilAir5 for purging				
Calibration: Calibrated prior to sampling				
Date: 5/1/13	**Zero: CH4, O2**			
Time: 4:44	**Span: 2.5% CH4, 15% CO2**	**20.9% O2**	**2.5%CH4 reads 2.5% @5:15**	

SURVEY OF EXISTING LFG PROBES:

Probe ID	Static Pressure *in H2O*	Purge Rate *LPM*	Purge E.T. *minutes*	Sample Time *hh:mm*	Methane *%*	Carbon Dioxide *%*	Oxygen *%*	Notes
G-1	0.02	~4.5	1	4:47	0.0	1.3	19.4	
G-2	0.00	~4.5	1	5:07	0.0	0.0	20.4	
G-3	-0.04	~4.5	1	5:14	0.0	0.3	20.3	
G-4	0.02	~4.5	1	4:54	0.0	0.0	20.4	

STRUCTURE SURVEY:

Date	Time	Location:	Ambient CH_4 %	Maximum % CH_4 at Location
		No Structures on Site		

ADDITIONAL INFORMATION AND NOTES:

* After static pressure reading (GEM2000), each well purged for >= 1 minute with GilAir at ~4.5 LPM. GEM then connected to well and readings collected once stable (0.5 LPM purge rate).

Ambient air @ 5:16 = 0.0,0.0, 20.7

NOTES:

1. EXISTING TOPOGRAPHY BASED ON COUNTY SURVEY IN 2005 AND UPDATED TO STATE-PLANE COORDINATES BY EASTERN SIERRA LAND SURVEYS, INC. IN MARCH, 2010.
2. PROBE LOCATIONS BASED ON CONSTRUCTION AS-BUILT PLANS DATED SEPTEMBER, 2010 BY VECTOR ENGINEERING.

LOCATION: N:\Inyo County\MONITORING REPORT FIGURES\TECOPA\LFG MONITORING 8.5x11 site plan AUSENCOIZED.dwg DATE: 11/16/2011 11:12 AM PLOT SCALE = 1:1 PLOTTED BY: ROBERT BROWN

DATE OF ISSUE: 11/11/2011
DESIGNED BY: KH
DRAWN BY: RPB
CHECKED BY: JVR/NCL
APPROVED BY: JVR/NCL

Geo-Logic ASSOCIATES

TECOPA LANDFILL

LFG QUARTERLY REPORT

INYO COUNTY, CA

LFG MONITORING PLAN

FIGURE NO.

1

PROJECT NO.

ISSUED FOR REPORT

TEAM
ENGINEERING & MANAGEMENT, INC.
P.O. Box 1265, Bishop, California 93515-1265
760-872-1033 fax 760-872-2131

Mr. Marvin Moskowitz
County of Inyo Environmental Health Services
PO Box 427
Independence, CA 93526

June 13, 2013

RE: Second Quarter 2013 Landfill Gas Monitoring, Shoshone Landfill

Dear Mr. Moskowitz:

On behalf of the Inyo County Solid Waste Department, TEAM Engineering and Management, Inc. is pleased to present the results of the Second Quarter 2013 landfill gas (LFG) monitoring at the Shoshone Landfill. The LFG monitoring was performed by TEAM Engineering & Management, Inc. (TEAM) on May 1, 2013, in accordance with the applicable sections of Title 27 of the California Code of Regulations.

The field report and a figure showing the monitoring locations are attached. Methane was not detected in any LFG perimeter well during this monitoring event. If you require any additional information, please contact Naomi Garcia (760) 872-1033 at your convenience.

Sincerely,
TEAM Engineering & Management, Inc.

Naomi Garcia
Project Scientist

cc: (via email)
Scott Eagan, Inyo County Integrated Waste Management
Noah Campbell, Geo-Logic Associates
Randy Friedlander, CalRecycle Inspections Branch

TEAM
ENGINEERING & MANAGEMENT, INC.
P.O. Box 1265, Bishop CA 93514
760-872-1033 fax 760-872-2131

Project Name: **ICSWE**	Date: 5/1/13
Location: **Shoshone Landfill**	Time: 10:35
Field Technician(s): **G. Foote/N. Garcia**	Page: 1 of 1

Weather Conditions: **Windy (~40 mph gusts)**	
Ambient Temp: **~80**	Barometric Pressure: 28.38 @ 3:02
Instrument: **Landtec GEM 2000, GilAir5 for purging**	
Calibration: **Calibrated prior to sampling**	
Date: **5/1/13**	Zero: **CH4, O2**
Time: **3:02**	Span: **2.5% CH4, 15% CO2, 20.9 O2**

SURVEY OF EXISTING LFG PROBES:

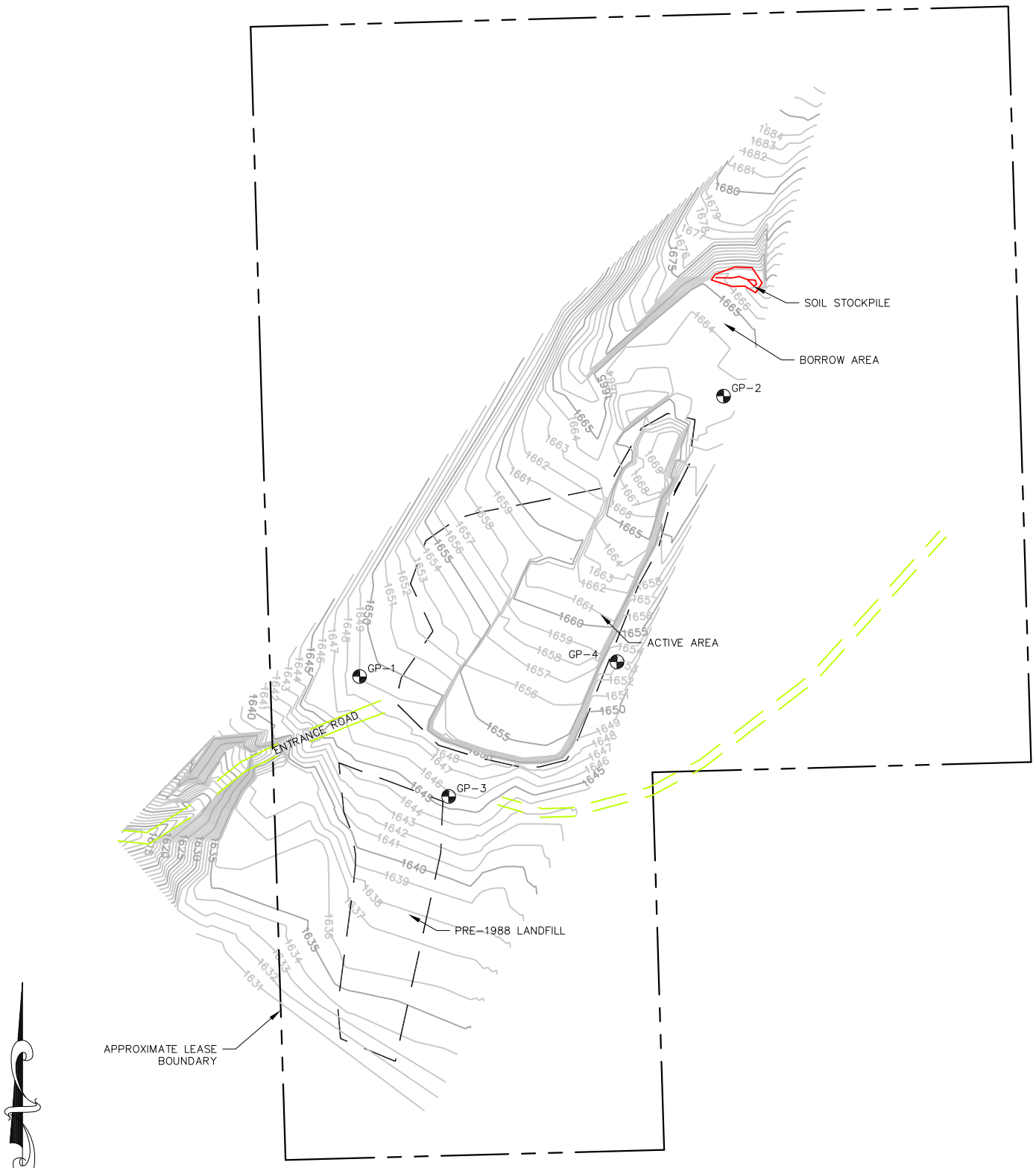
Probe ID	Static Pressure *in H2O*	Purge Rate *LPM*	Purge E.T. *minutes*	Sample Time *hh:mm*	Methane *%*	Carbon Dioxide *%*	Oxygen *%*	Notes
G-1	0.02	~4.5	~0.5	3:28	0.0	0.0	20.4	
G-2	0.10	~4.5	~0.5	3:06	0.0	0.0	20.3	
G-3	0.00	~4.5	~0.5	3:12	0.0	0.0	20.3	
G-4	0.03	~4.5	~0.5	3:20	0.0	0.6	19.9	

STRUCTURE SURVEY:

Date	Time	Location:	Ambient CH_4 %	Maximum % CH_4 at Location
		No Structures on Site		

ADDITIONAL INFORMATION AND NOTES:

* After static pressure reading (GEM2000), each well purged for >= 1 minute with GilAir at ~4.5 LPM. GEM then connected to well and readings collected once stable (0.5 LPM purge rate).



GRAPHIC SCALE

125' 0' 62.5' 125' 250' 500'

NOTES:

1. EXISTING TOPOGRAPHY BASED ON COUNTY SURVEY IN 2005 AND UPDATED TO STATE-PLANE COORDINATES BY EASTERN SIERRA LAND SURVEYS, INC. IN MARCH, 2010.
2. PROBE LOCATIONS BASED ON SURVEY BY EASTERN SIERRA LAND SURVEYS, INC. IN MARCH, 2010.

LOCATION: N:\Inyo County\MONITORING REPORT FIGURES\SHOSHONE\LFG MONITORING 8.5x11 site plan AUSENCOIZED.dwg DATE: 11/16/2011 11:11 AM PLOT SCALE = 1:1 PLOTTED BY: ROBBERT BROWN

DATE OF ISSUE: 11/11/2011
DESIGNED BY: KH
DRAWN BY: RPB
CHECKED BY: JVR/NCL
APPROVED BY: JVR/NCL

Geo-Logic ASSOCIATES

SHOSHONE LANDFILL

LFG QUARTERLY REPORT

INYO COUNTY, CA

LFG MONITORING PLAN

FIGURE NO.

1

PROJECT NO.

ISSUED FOR REPORT