HDR

ONE COMPANY | *Many Solutions* ®

87675
xcs

October 30, 2010

Dept. of Environmental Protection
OCT 19 2010
Southwest District

Ms. Susan Pelz, P.E.
Florida Department of Environmental Protection
Southwest District
13051 N. Telecom Parkway
Temple Terrace, Florida 33637

Re: Third Quarter 2010 Gas Monitoring Report
Enterprise Recycling & Disposal Facility
Permit No. 177982-007-SO/T3

Dear Ms. Pelz:

On behalf of Angelo's Aggregate Materials, Ltd. (Angelo's), HDR Engineering, Inc. (HDR) is submitting the results of the quarterly gas monitoring event for the Enterprise Recycling and Disposal Facility in Dade City, Florida. The quarterly gas monitoring was completed by Ideal Tech Services, Inc. on September 9, 2010 in accordance with Specific Condition F of the above referenced operating permit.

A copy of the Gas Monitoring Survey Form and a location map are attached for your review.

Please call me if you have any questions.

Sincerely,

John Locklear, P.G.
Senior Project Manager

Xc: Jeff Rogers, Angelos
John Arnold, Angelos

P:\Environmental - Consolidated\HDR\SOLID WASTE\ANGELOS (FLORIDA)\COMPLIANCE MONITORING\Gas Monitoring\2009\09Q1 gas Monitoring.doc

Enterprise Recycling & Disposal Facility
Class III Landfill
Gas Monitoring Survey Form

Date: 9/9/2010
Instrument: Landtec GEM 500
Sampler: Chris Monaco - Ideal Tech Services, Inc.

Gas Probe No.	Time of Reading	Ambient Air Temperature (° C)	Ambient Air Methane (% LEL)	Methane Level Pre-Purge Measurement	
				% CH_4	% of LEL
GP-6	11:15 AM	NR	NR	NR	4.0%
GP-7	11:15 AM	NR	NR	NR	4.0%
GP-8	11:15 AM	NR	NR	NR	0.0%
GP-9R	11:15 AM	NR	NR	NR	0.0%
GP-10R	11:15 AM	NR	NR	NR	0.0%
GP-11	11:15 AM	NR	NR	NR	14.0%
GP-12R	11:15 AM	NR	NR	NR	0.0%
GP-13R	11:15 AM	NR	NR	NR	0.0%
GP-14	11:15 AM	NR	NR	NR	0.0%
Scale House	Not Installed	NR	NR	NR	0.0%

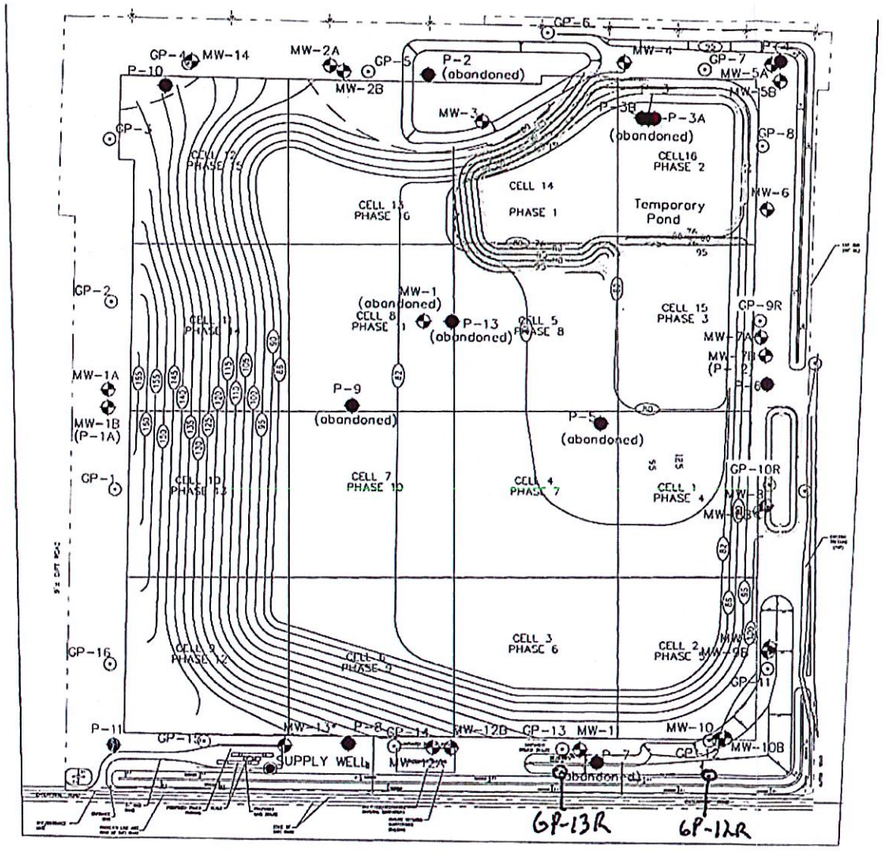
Dept. of Environmental Protection
OCT 19 2010
Southwest District

LEGEND

- MW-4 — MONITORING WELL LOCATION
- GP-1 — GAS PROBE LOCATION
- P-9 — PIEZOMETER WELL LOCATION
- SUPPLY WELL
- MW-1 — MONITOR WELL/PIEZOMETER (PROPOSED FOR ABANDONMENT)

N

SCALE IN FEET
200 100 0 200 400



HDR

HDR ENGINEERING, INC
200 W. FORSYTH ST.
SUITE 800
JACKSONVILLE, FL 32202
(904) 598-8900

ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	J. LOCKLEAR, P.G.
DESIGNED	
DESIGNED	
CHECKED BY	
DRAWN BY	D. SOSA
DRAWN BY	
PROJECT NUMBER	69055

ENTERPRISE ROAD
RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA

SITE MONITORING NETWORK

0 1" 2"
IF THIS BAR DOES NOT MEASURE 1" ADJUST SCALE ACCORDINGLY

FILENAME	FIG-01.dwg
SCALE	1"=200'

SHEET
FIG-01

ANGELO'S RECYCLED MATERIALS

PO Box 1493
Largo, FL 33779

APOPKA 407.290.8010 407.290.8115 (FAX)
DADE CITY 352.567.7676 352.567.9448 (FAX)
TAMPA 813.903.0588 813.632.9157 (FAX)
LARGO 727.581.1544 727.586.5676 (FAX)

June 30, 2010

Ms. Susan Pelz, P.E.
Florida Department of Environmental Protection
Southwest District
13051 N. Telecom Parkway
Temple Terrace, Florida 33637

Re: Enterprise Road Recycling & Disposal Facility
Gas Monitoring Event: 2nd Quarter 2010
Permit No. 177982-007-SO/T3

Dear Ms. Pelz:

The results of landfill gas monitoring for the 2nd quarter of 2010 are enclosed. Please call or email if you have any questions or need any additional information.

Sincerely,

John Arnold, P.E.

xc: Jeff Rogers, Angelo's Recycled Materials

Dept. of Environmental Protection
JUL 02 2010
Southwest District

Mr. John Arnold, P.E.
Angelo's Recycled Materials
41111 Enterprise Road
Dade City, Fl 33525-1539

June 20, 2010

Subject Site: Enterprise Class III Landfill and Recycling Facility (Angelo's Recycled Materials) Quarterly LEL Data

Dear Mr. Arnold,

Ideal Tech services, Inc. (ITS) is pleased to present the following notes pertaining to the site of Enterprise Class III Landfill and Recycling Facility (Angelo's Recycled Materials). The second quarterly landfill gas monitoring event of 2010 was performed on 06/14/2010.

06/14/10 Monday:
0820 - ITS personnel C. Monaco and K. LeBeau arrived at the site and checked in with the scale house attendant. On this day all of the Landfill Gas wells and the scale house were measured for % LEL as required by the permit. The results of the measurements are presented in the table located in Attachment A. The instrument calibration was performed at the site and the calibration record for the instrument is included in Attachment B.
1120 - ITS personnel were logged offsite by the scale house attendant.

Please don't hesitate to contact us with any questions you may have about the enclosed documents.

Respectfully submitted,

Christopher J. Monaco
Ideal Tech Services, Inc.

Dept. of Environmental Protection
JUL 02 2010
Southwest District

Enc: Attachment A, WATER LANDFILL GAS MEASUREMENTS
Attachment B, EQUIPMENT CALIBRATION LOGS

P.O. BOX 772016
Ocala, Florida 34477
Telephone: (352) 502-3407
Facsimile: (352) 732-5572
Email: Idealtechservices@earthlink.net

Attachment A

LANDFILL GAS MEASUREMENTS

LANDFILL GAS READINGS ENTERPRISE CLASS III LANDFILL AND RECYCLING FACILITY SECOND QUARTERLY 2010

LOCATION	% LEL	REMARKS
GP-1	-	not installed at this time
GP-2	-	not installed at this time
GP-3	-	not installed at this time
GP-4	-	not installed at this time
GP-5	-	not installed at this time
GP-6	2%	
GP-7	0%	
GP-8	1%	
GP-9	-	abandoned
GP-9R	3%	
GP-10R	1%	
GP-11	0%	
GP-12	1%	well marked 12A
GP-13	2%	well marked 13A
GP-14	2%	
GP-15	-	not installed at this time
GP-16	-	not installed at this time
SCALE HOUSE	0%	staff occupied structure
Date of measurement 06/14/10		

Attachment B

EQUIPMENT CALIBRATION LOGS

LANDFILL GAS CALIBRATION RECORD
ENTERPRISE CLASS III LANDFILL AND RECYCLING FACILITY SECOND QUARTERLY 2010

IDEAL TECH SERVICES, INC. W.O.# ARM-ELF-02 Biosystems Model PhD Lite, Serial #24199		
Date: 6/14/10	START 0820	END 1130
20 % LEL	20.20 %	20.10 %
Zero Air	0	0
Ambient Background	0 % LEL	0 % LEL
Within Limits Yes or No		Yes
PRINTED NAME OF PERSON WHO PERFORMED CALIBRATION	SIGNATURE OF PERSON WHO PERFORMED CALIBRATION	
Chris Monaco		
Calibration gases prepared by Liquid Technology. Zero Air = Lot Number LTM159-MD-PG, 20% LEL = Lot Number LTM169-MM-CM		

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Dept. Of Environmental Protection
NOV 19 2009
Southwest District

November 19, 2009

Ms. Susan Pelz, P.E.
Florida Department of Environmental Protection
Southwest District
13051 N. Telecom Parkway
Temple Terrace, Florida 33637

Re: November Re-sample 2009 Gas Monitoring Report
Enterprise Recycling & Disposal Facility
Permit No. 177982-007-SO/T3

Dear Ms. Pelz:

On behalf of Angelo's Aggregate Materials, Ltd. (Angelo's), HDR Engineering, Inc. (HDR) is submitting the results of the November monthly gas monitoring for the Enterprise Recycling and Disposal Facility in Dade City, Florida. The gas monitoring of probes GP-12, GP-12R, GP-13 and GP-13R was completed in accordance with Specific Condition F of the above referenced operating permit. The results of the monitoring include gas readings of 6% LEL in GP-13 and 0% LEL in each of the other probes monitored. The next monitoring is scheduled for the week of December 7th.

A copy of the Gas Monitoring Survey Form and a location map are attached for your review.

Please call me if you have any questions.

Sincerely,

John Locklear, P.G.
Senior Project Manager

Xc: Jeff Rogers, Angelos
John Arnold, Angelos

P:\Environmental - Consolidated\HDR\SOLID WASTE\ANGELOS (FLORIDA)\COMPLIANCE MONITORING\Gas Monitoring\2009\November Resample 09 gas Monitoring.doc

Enterprise Recycling & Disposal Facility
Class III Landfill
Gas Monitoring Survey Form

Date: 11/12/2009
Instrument: Landtec GEM 500
Sampler: Zeke Hudson - HDR Engineering, Inc.

Gas Probe No.	Time of Reading	Ambient Air Temperature (° C)	Ambient Air Methane (% LEL)	Methane Level Pre-Purge Measurement	
				% CH_4	% of LEL
GP-12	11:10 AM	13.34° C	0.0%	0.0%	0%
GP-12R	11:15 AM	13.34° C	0.0%	0.0%	0%
GP-13	11:39 AM	13.34° C	0.0%	0.3%	6%
GP-13R	11:31 AM	13.34° C	0.0%	0.0%	0%

Dept. Of Environmental Protection
NOV 19 2009
Southwest District

LEGEND

- MW-4 MONITORING WELL LOCATION
- GP-1 GAS PROBE LOCATION
- P-9 PIEZOMETER WELL LOCATION
- SUPPLY WELL
- MW-1 MONITOR WELL/PIEZOMETER (PROPOSED FOR ABANDONMENT)

N

SCALE IN FEET

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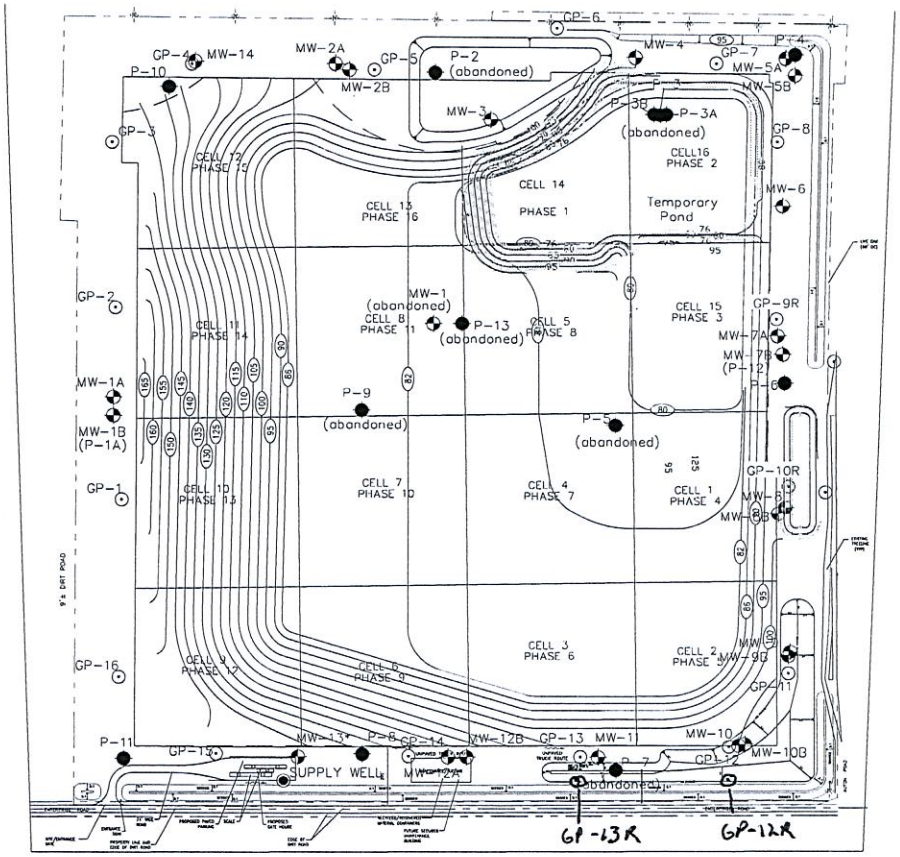

HDR

HDR ENGINEERING, INC.
200 W. FORSYTH ST.
SUITE 800
JACKSONVILLE, FL 32202
(904) 598-8900

ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	J. LOCKLEAR, P.G.
DESIGNED	
DESIGNED	
CHECKED BY	
DRAWN BY	D. SOSA
DRAWN BY	
PROJECT NUMBER	69055

ENTERPRISE ROAD
RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA

SITE MONITORING NETWORK

0 1" 2"
AT FULL SIZE BAR LENGTH EQUALS TWO INCHES. ADJUST SCALE ACCORDINGLY.

FILENAME	FIG-01.dwg
SCALE	1"=200'

SHEET **FIG-01**

HDR

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September 18, 2009

Ms. Susan Pelz, P.E. 9/21
Florida Department of Environmental Protection
Southwest District
13051 N. Telecom Parkway
Temple Terrace, Florida 33637

Dept. Of Environmental Protection
SEP 18 2009
Southwest District

Re: Third Quarter Re-sample 2009 Gas Monitoring Report
Enterprise Recycling & Disposal Facility
Permit No. 177982-007-SO/T3

Dear Ms. Pelz:

On behalf of Angelo's Aggregate Materials, Ltd. (Angelo's), HDR Engineering, Inc. (HDR) is submitting the results of the September monthly gas monitoring for the Enterprise Recycling and Disposal Facility in Dade City, Florida. The gas monitoring of probes GP-12 and GP-13 was completed in accordance with Specific Condition F of the above referenced operating permit. The results of the monitoring include gas readings of 614% LEL in GP-12 and 214% LEL in GP-13. The next monitoring is scheduled for the week of October 12th. The facility is in the process of installing additional LFG probes as discussed in my August 14th, 2009 email to you.

A copy of the Gas Monitoring Survey Form and a location map are attached for your review.

Please call me if you have any questions.

Sincerely,

John Locklear, P.G.
Senior Project Manager

Xc: Jeff Rogers, Angelos
John Arnold, Angelos

P:\Environmental - Consolidated HDR\SOLID WASTE\ANGELOS (FLORIDA)\COMPLIANCE MONITORING\Gas Monitoring\2009\September Resample 09Q3 gas Monitoring.doc

Enterprise Recycling & Disposal Facility
Class III Landfill
Gas Monitoring Survey Form

Date: 9/14/2009
Instrument: Landtec GEM 500
Sampler: Zeke Hudson - HDR Engineering, Inc.

Gas Probe No.	Time of Reading	Ambient Air Temperature (° C)	Ambient Air Methane (% LEL)	Methane Level Pre-Purge Measurement	
				% CH_4	% of LEL
GP-12	11:05 AM	28.9° C	0.0%	30.7%	614%
GP-13	11:20 AM	28.9° C	0.0%	10.7%	214%

Dept. Of Environmental Protection
SEP 18 2009
Southwest District

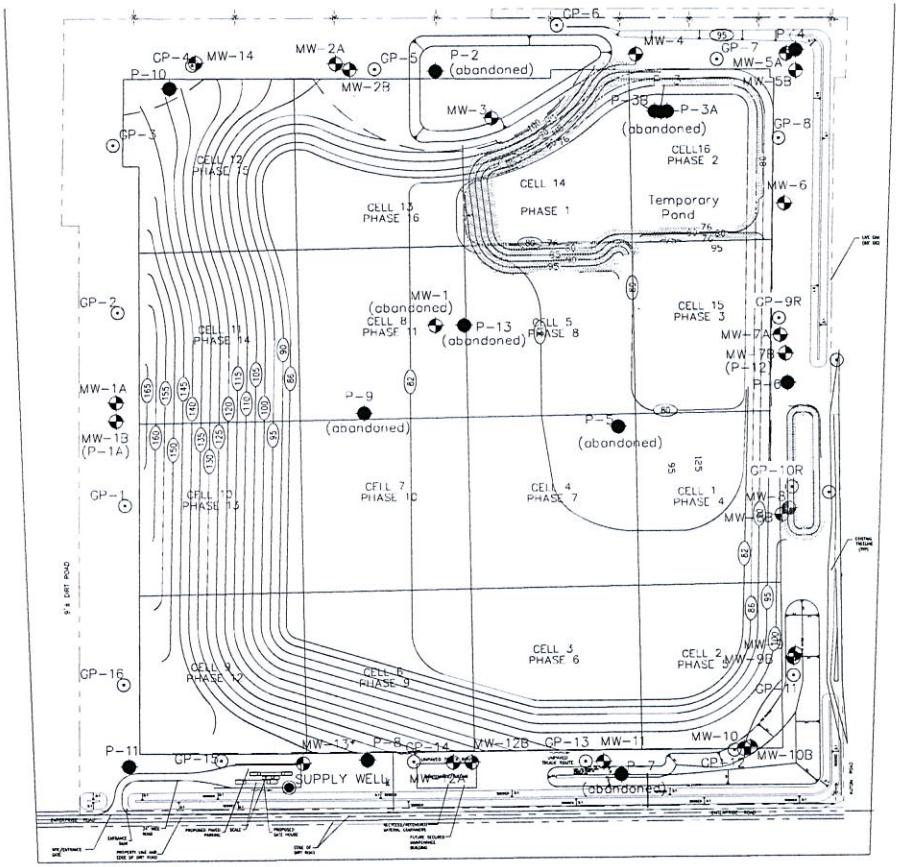
LEGEND

- MW-4 MONITORING WELL LOCATION
- GP-1 GAS PROBE LOCATION
- P-9 PIEZOMETER WELL LOCATION
- SUPPLY WELL
- MW-1 MONITOR WELL/PIEZOMETER (PROPOSED FOR ABANDONMENT)

N

SCALE IN FEET

200 100 0 200 400



HDR ENGINEERING, INC. 200 W. FORSYTH ST. SUITE 800 JACKSONVILLE, FL 32202 (904) 598-8900	ISSUE	DATE	DESCRIPTION	PROJECT MANAGER: J. LUCKLEAR, P.G. DESIGNED: DESIGNED: CHECKED BY: DRAWN BY: D. SOSA DRAWN BY: PROJECT NUMBER: 69055

ENTERPRISE ROAD
RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA

SITE MONITORING NETWORK

0 1" 2"
AT FULL SIZE BAR LENGTH EQUALS TWO INCHES. ADJUST SCALE ACCORDINGLY

FILENAME: FIG-01.dwg
SCALE: 1"=200'

SHEET
FIG-01

Pelz, Susan

From: John Arnold [john.phillip.arnold@gmail.com]
Sent: Monday, August 17, 2009 8:56 AM
To: Pelz, Susan
Cc: Locklear, John; Morgan, Steve
Subject: Re: Enterprise Class III - Third Quarter 2009 Gas Monitoring Report dated July 27, 2009

This is to confirm that the 20ft probe depths will extend to the bottom of the waste and below the bottom of the stormwater pond. I'll also make the appropriate changes to the gas contingency plan as you've suggested.

Thanks
John

On Mon, Aug 17, 2009 at 8:41 AM, Pelz, Susan <Susan.Pelz@dep.state.fl.us> wrote:

John,

Thank-you for your response. Please confirm that the proposed 20ft. probe depth will extend to the bottom of the waste and below the bottom of the stormwater pond.

Also, since there is a pending sequence modification, the gas contingency plan should be revised to eliminate the inconsistencies mentioned in your response and can be included in that modification.

Thanks,

If you have any questions, please call or email (email is better).

Susan J. Pelz, P.E.
Solid Waste Program Manager
Southwest District

13051 N. Telecom Parkway
Temple Terrace, Fl. 33637
813-632-7600 x 386
susan.pelz@dep.state.fl.us

From: Locklear, John [mailto:John.Locklear@hdrinc.com]
Sent: Friday, August 14, 2009 12:07 PM

To: Pelz, Susan; john.phillip.arnold@gmail.com
Cc: Morgan, Steve
Subject: RE: Enterprise Class III - Third Quarter 2009 Gas Monitoring Report dated July 27, 2009

Good afternoon Susan

We have prepared the attached response to Mr. Morgan's email comments regarding the 3Q LFG data. As you can see in the response, we are proposing to install the probes on the landfill side of the visual buffer berm. This will provide additional data in-between the existing probes and the property boundary. A hard copy original was mailed to your office this afternoon. Please let me know if you have any questions.

Best regards,

John Locklear, P.G.
Senior Project Manager
HDR ONE COMPANY | ***Many Solutions***

Together we can make a difference
4140 NW 37th Place, Bldg A| Gainesville, FL| 32606
Phone: 352-642-1100| Cell: 352-682-0781| Fax: 352-642-1101| Email: john.locklear@hdrinc.com

---

From: Pelz, Susan [mailto:Susan.Pelz@dep.state.fl.us]
Sent: Friday, August 14, 2009 10:46 AM
To: john.phillip.arnold@gmail.com
Cc: Morgan, Steve; Locklear, John
Subject: Re: Enterprise Class III - Third Quarter 2009 Gas Monitoring Report dated July 27, 2009

John,

Please send me a figure showing where you are proposing to install them prior to the installation. We want to make sure the locations are suitable to detect any migration.

Thx
If you have any questions, please call or email (email is better).

Susan Pelz, PE
Solid Waste Program Manager
813-632-7600 x386

Sent from my BlackBerry Wireless Device

From: John P Arnold
To: Pelz, Susan
Cc: Morgan, Steve; Locklear, John
Sent: Fri Aug 14 10:42:56 2009
Subject: Re: Enterprise Class III - Third Quarter 2009 Gas Monitoring Report dated July 27, 2009

Yes. John Locklear is getting the response to you and we are proposing to install gas monitoring wells at the property boundary. Once we get you the responce, please let me know if you have any questions or need any additional information.

Thanks

John

On Aug 13, 2009, at 4:29 PM, "Pelz, Susan" <Susan.Pelz@dep.state.fl.us> wrote:

<image001.gif>

John,

Did you get this email? We need some clarification on the recent gas monitoring report for Enterprise.

Please let me know.

Thanks,

If you have any questions, please call or email (email is better).

Susan J. Pelz, P.E.
Solid Waste Program Manager
Southwest District

13051 N. Telecom Parkway
Temple Terrace, Fl. 33637
813-632-7600 x 386
susan.pelz@dep.state.fl.us

The Department of Environmental Protection values your feedback as a customer. DEP Secretary Michael W. Sole is committed to continuously assessing and improving the level and quality of services provided to you. Please take a few minutes to comment on the quality of service you received. Simply click on this link to the DEP Customer Survey. Thank you in advance for completing the survey.

From: Morgan, Steve
Sent: Tuesday, August 04, 2009 9:36 AM
To: 'John Arnold'
Cc: 'John Locklear (john.locklear@hdrinc.com)'; Pelz, Susan; Gaskin, Nancy; Morris, John R.
Subject: Enterprise Class III - Third Quarter 2009 Gas Monitoring Report dated July 27, 2009

John:

The Department has reviewed the above referenced report and has the following questions and comments:

1) The report does not identify the depth of the boreholes installed around GP-12 and GP-13. If the boreholes were not installed at least to the depth of waste disposal, then gas readings obtained in the boreholes would not be appropriate to compare to readings from the monitoring probes to evaluate gas migration at those locations (i.e. compliance with Rule 62-701.530(1)(a), F.A.C.). Please identify the depth to which each of the boreholes was constructed and verify whether they were constructed to the depth required by this Rule.

2) The gas contingency plan in Section 10.1.2 of the facility Operation Plan indicates that impacted probes and the nearby structures (i.e. the installed boreholes) will be monitored on a weekly basis until the gas levels in the probes go below 100% LEL. Please verify that weekly monitoring of GP-12 and GP-13 and appropriately constructed boreholes will continue accordingly.

3) It appears that in order for the facility's gas monitoring system to comply with Rule 62-701.530(2)(b), F.A.C. and monitor the facility for compliance with Rule 62-701.530(1) (a), F.A.C. at the property line, additional permanent monitoring probes down gradient of GP-12 and GP-13 at or in closer proximity of the property line may need to be installed. Based on the results of the above investigation of gas levels down gradient of GP-12 and GP-13, please identify where replacement down gradient gas monitoring probes will be installed, along with proposed probe construction details (e.g. a typical gas monitoring probe detail with proposed well depths and screen intervals). Such proposed changes to the gas monitoring plan for the facility can be incorporated into the next facility permit modification.

Please feel free to e-mail or call me if you have any further questions.

Steven G. Morgan, Solid Waste Section

Florida Department of Environmental Protection

Southwest District Office

13051 North Telecom Parkway

Temple Terrace, FL 33637-0926

phone - (813) 632-7600 x385

fax - (813) 632-7664

e-mail - steve.morgan@dep.state.fl.us

--

John Arnold, P.E.
Angelo's Recycled Materials
Mob. 352.339.1408
Tel. 813.477.1719
Fax. 352.567.9448

HDR ONE COMPANY | *Many Solutions* ®

Dept. Of Environmental Protection

AUG 17 2009

Southwest District

August 14, 2009

Steven G. Morgan
Florida Department of Environmental Protection
Southwest District
13051 N. Telecom Parkway
Temple Terrace, Florida 33637

Re: Gas Monitoring – Third Quarter 2009
Response to August 4, 2009 Email Correspondence
Enterprise Recycling & Disposal Facility
Permit No. 177982-007-SO/T3

Dear Mr. Morgan:

We received your email regarding the Department's review of the Third Quarter 2009 Gas Monitoring Report for the Enterprise Class III Recycling and Disposal Facility. We offer the following responses to the Department's comments below:

Department Comment #1
The report does not identify the depth of the boreholes installed around GP-12 and GP-13. If the boreholes were not installed at least to the depth of waste disposal, then gas readings obtained in the boreholes would not be appropriate to compare to readings from the monitoring probes to evaluate gas migration at those locations (i.e. compliance with Rule 62-701.530(1)(a), F.A.C.). Please identify the depth to which each of the boreholes was constructed and verify whether they were constructed to the depth required by this Rule.

Response to Comment #1
Gas monitoring probes GP-12 and GP-13 are constructed to depths of approximately 20 feet below ground surface. The additional test boreholes around GP-12 and GP-13 were approximately 5 feet below ground surface. Therefore, additional gas monitoring probes would be necessary to comply with the probe construction requirements of Rule 62-701.530(1)(a), F.A.C. as discussed in more detail in the Response to Comment #3.

Department Comment #2
The gas contingency plan in Section 10.1.2 of the facility Operation Plan indicates that impacted probes and the nearby structures (i.e. the installed boreholes) will be monitored on a weekly basis until the gas levels in the probes go below 100% LEL. Please verify that weekly monitoring of GP-12 and GP-13 and appropriately constructed boreholes will continue accordingly.

Dept. Of Environmental Protection

AUG 17 2009

Southwest District

'Response to Comment #2

Upon review of the Gas Contingency Plan, we found what appeared to be conflicting requirements for monitoring following a reading above 100% LEL in a gas monitoring probe.

Section 10.1.2
The following Contingency Plan will be implemented if any of the measured gas monitoring points methane levels are detected above the 100% LEL of greater than 5 percent methane in air, or if 25% of the LEL or higher is measured in a structure. If this level of methane or greater is detected in any of the probes, the Enterprise RDF landfill operator will institute measurement of methane in nearby structures, i.e., stormwater collection points, or any maintenance or office buildings nearby the subject gas probe, on a ***weekly*** *basis, until these levels go below the 100% LEL at the subject probe. If methane levels measured in any on-site building exceed 25% of the LEL, building windows and/or doors will be opened for ventilation and all personnel evacuated until methane readings are maintained below 25% of the LEL for methane. The monitoring report for any event that detects methane above the LEL will also report methane levels from any nearby structure and may include* ***monthly*** *monitoring measurements at the high methane gas probe points until the levels go below the methane LEL level or until corrective actions are conducted to reduce methane levels. The FDEP will be notified within seven days of any gas monitoring levels that exceed the reporting action levels.*

There are no structures in the area of gas probes GP-12 and GP-13. Therefore, weekly monitoring has not been initiated. Monthly monitoring of GP-12 and GP-13 has been initiated. The first monthly monitoring was conducted on August 10, 2009. The results of this monitoring indicates gas readings of 444% LEL in GP-12 and 124% LEL in GP-13. The next monthly monitoring is scheduled for the week of September 14th.

Department Comment #3
It appears that in order for the facility's gas monitoring system to comply with Rule 62-701.530(2)(b), F.A.C. and monitor the facility for compliance with Rule 62-701.530(1) (a), F.A.C. at the property line, additional permanent monitoring probes down gradient of GP-12 and GP-13 at or in closer proximity of the property line may need to be installed. Based on the results of the above investigation of gas levels down gradient of GP-12 and GP-13, please identify where replacement down gradient gas monitoring probes will be installed, along with proposed probe construction details (e.g. a typical gas monitoring probe detail with proposed well depths and screen intervals). Such proposed changes to the gas monitoring plan for the facility can be incorporated into the next facility permit modification.

Response to Comment #3

Two additional gas probes (GP-12R and GP-13R) are proposed to be installed at the locations shown in the attached site plan and photos. The new probes will be constructed to depths of approximately 20 feet below ground surface. The probes will be constructed of one-inch diameter PVC with 2 feet of solid PVC and 18 feet of slotted PVC.

Please call me to discuss our responses at your earliest convenience. I can be reached at (352) 642-1105.

Best regards,

John Locklear, P.G.
Senior Project Manager

Xc: Jeff Rogers, Angelos
John Arnold, Angelos

F:\Environmental - Consolidated\HDR\SOLID WASTE\ANGELOS (FLORIDA)\COMPLIANCE MONITORING\Gas Monitorirg\2009\09Q3 gas Monitoring.doc

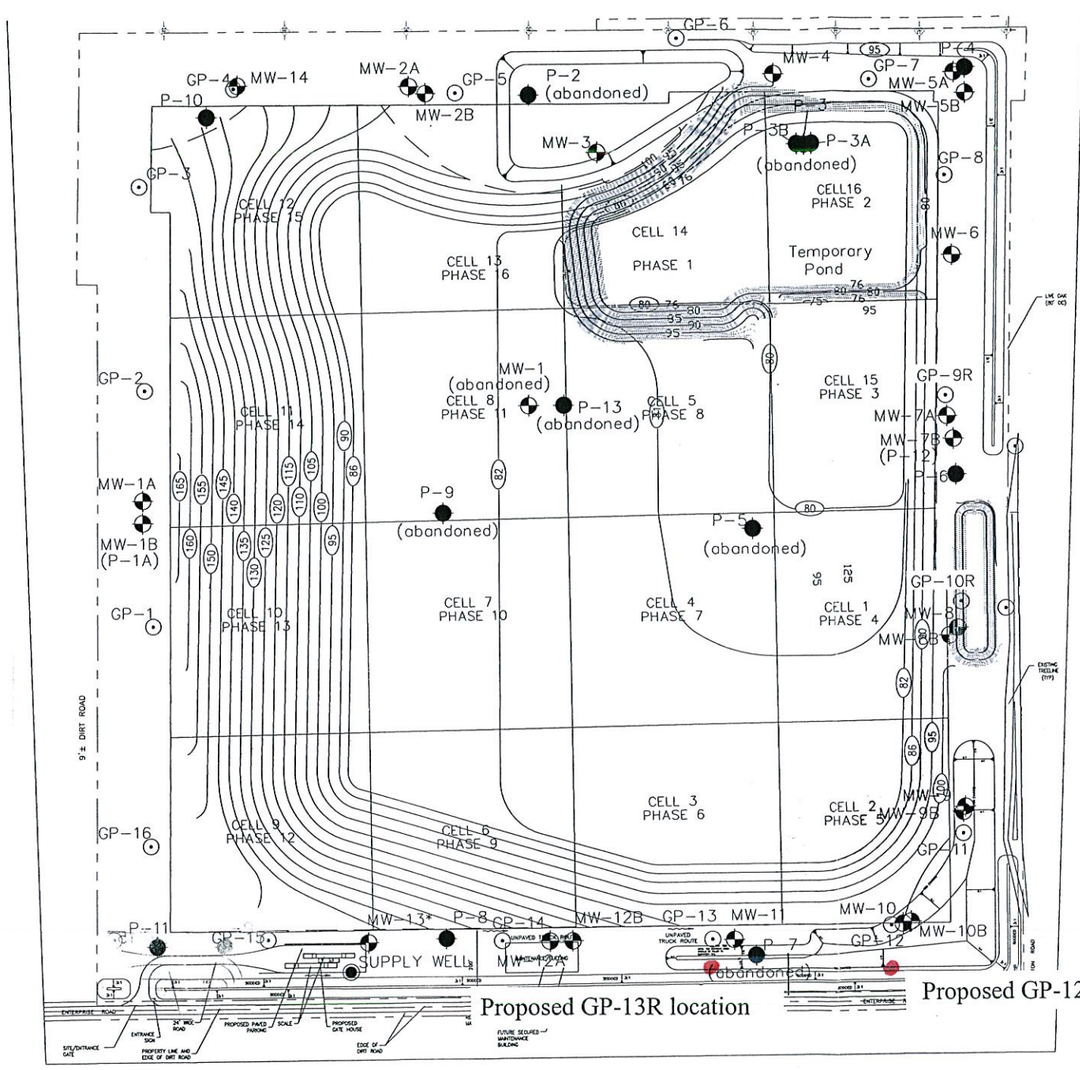
LEGEND

MW-4	MONITORING WELL LOCATION
GP-1	GAS PROBE LOCATION
P-9	PIEZOMETER WELL LOCATION
	SUPPLY WELL
MW-1	MONITOR WELL/PIEZOMETER (PROPOSED FOR ABANDONMENT)

N

SCALE IN FEET

200 100 0 200 400



Dept. Of Environmental Protection

AUG 17 2009

Southwest District

HDR

HDR ENGINEERING, INC.
200 W. FORSYTH ST.
SUITE 800
JACKSONVILLE, FL 32202
(904) 598-8900

ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	J. LOCKLEAR, P.G.
DESIGNED	
DESIGNED	
CHECKED BY	
DRAWN BY	D. SOSA
DRAWN BY	
PROJECT NUMBER	69055

ENTERPRISE ROAD
RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA

SITE MONITORING NETWORK

0 1" 2"
AT FULL SIZE BAR LENGTH EQUALS TWO INCHES. ADJUST SCALE ACCORDINGLY.

FILENAME	FIG-01.dwg
SCALE	1"=200'

SHEET
FIG-01

Proposed GP-12R location
08/07/2009 05:04 PM

HDR ONE COMPANY | *Many Solutions* ®

July 27, 2009

Ms. Susan Pelz, P.E. 7/30
Florida Department of Environmental Protection
Southwest District
13051 N. Telecom Parkway
Temple Terrace, Florida 33637

Dept. of Environmental Protection
JUL 29 2009
Southwest District

Re: Third Quarter 2009 Gas Monitoring Report
Enterprise Recycling & Disposal Facility
Permit No. 177982-007-SO/T3

Dear Ms. Pelz:

On behalf of Angelo's Aggregate Materials, Ltd. (Angelo's), HDR Engineering, Inc. (HDR) is submitting the results of the quarterly gas monitoring event for the Enterprise Recycling and Disposal Facility in Dade City, Florida. The quarterly gas monitoring was completed in accordance with Specific Condition F of the above referenced operating permit.

Pre-purge measurements were recorded on the Gas Monitoring Survey Form, as required by the Department approved Operations Plan. Landfill gas was detected in GP-12 and GP-13 at levels above 100% LEL. It should be noted that both GP-12 an GP-13 are located approximately 150 feet from the property boundary. Additional measurements were taken at both locations with bore holes being done 10 feet east, west, and south of GP-12 and GP-13. All bore hole locations reported landfill gas at 0% LEL. A copy of the Gas Monitoring Survey Form, a site plan, and a location map of the additional sampling points are attached for your review.

Please call me if you have any questions.

Sincerely,

John Locklear, P.G.
Senior Project Manager

Xc: Jeff Rogers, Angelos
John Arnold, Angelos

P:\Environmental - Consolidated\HDR\SOLID WASTE\ANGELOS (FLORIDA)\COMPLIANCE MONITORING\Gas Monitoring\2009\09Q3 gas Monitoring.doc

Enterprise Recycling & Disposal Facility
Class III Landfill
Gas Monitoring Survey Form

Date: 7/23/2009
Instrument: Landtec GEM 500
Sampler: Dan Lichtenwalter - HDR Engineering, Inc.

Gas Probe No.	Time of Reading	Ambient Air Temperature (° C)	Ambient Air Methane (% LEL)	Methane Level Pre-Purge Measurement	
				% CH_4	% of LEL
GP-6	8:30 AM	28.6° C	0.0%	0.0%	0.0%
GP-7	8:36 AM	28.6° C	0.0%	0.0%	0.0%
GP-8	8:42 AM	28.6° C	0.0%	0.0%	0.0%
GP-9R	9:03 AM	28.6° C	0.0%	0.0%	0.0%
GP-10R	9:08 AM	28.6° C	0.0%	0.0%	0.0%
GP-11	9:15 AM	28.6° C	0.0%	0.0%	0.0%
GP-12	9:22 AM	28.6° C	0.0%	19.6%	392.0%
10' West GP-12	9:57 AM	28.6° C	0.0%	0.0%	0.0%
10' South GP-12	9:52 AM	28.6° C	0.0%	0.0%	0.0%
10' East GP-12	9:54 AM	28.6° C	0.0%	0.0%	0.0%
GP-13	9:33 AM	28.6° C	0.0%	7.3%	146.0%
10' West GP-13	10:14 AM	28.6° C	0.0%	0.0%	0.0%
10' South GP-13	10:09 AM	28.6° C	0.0%	0.0%	0.0%
10' East GP-13	10:12 AM	28.6° C	0.0%	0.0%	0.0%
GP-14	7:58 AM	28.6° C	0.0%	0.0%	0.0%

Dept. of Environmental Protection
JUL 29 2009
Southwest District

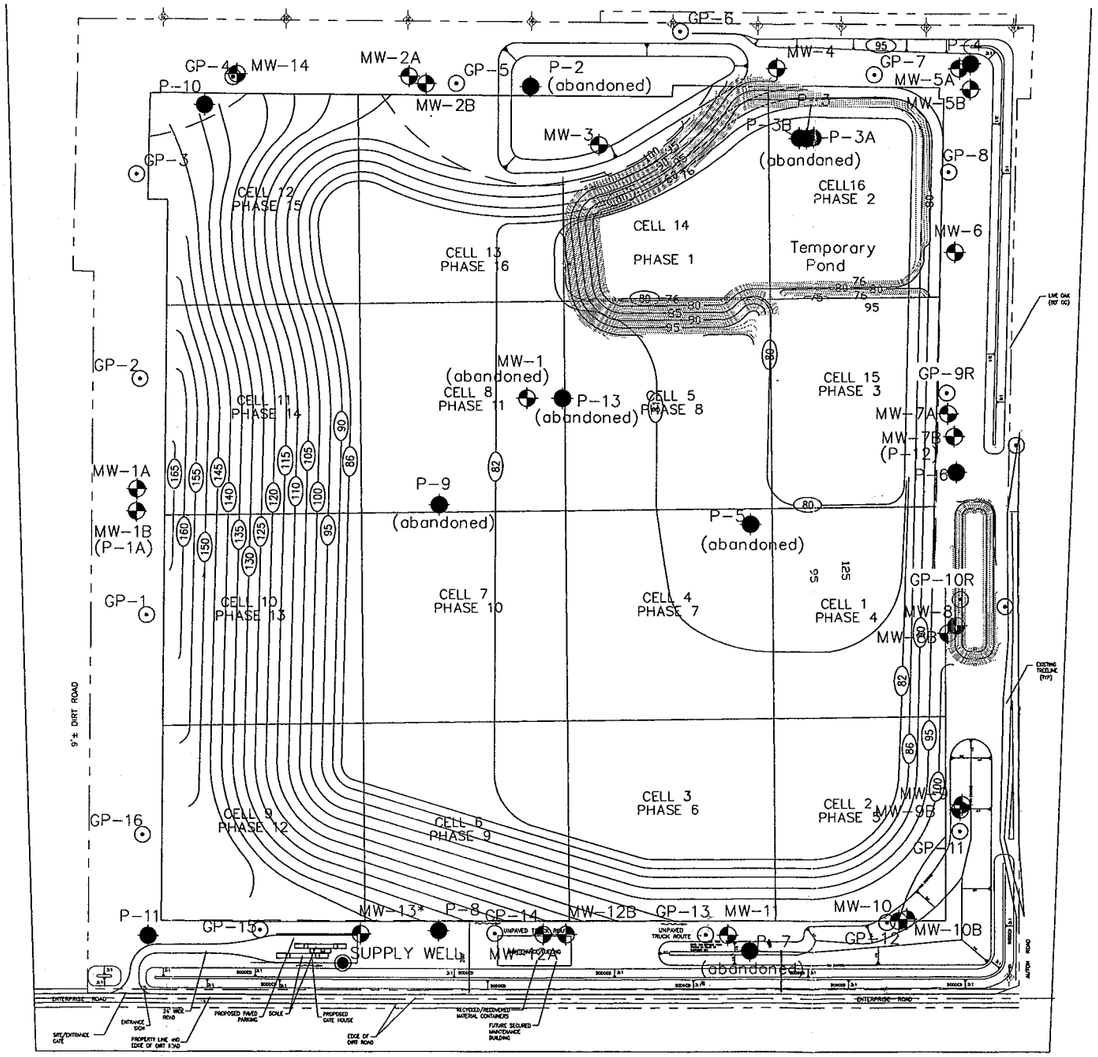
LEGEND

MW-4	MONITORING WELL LOCATION
GP-1	GAS PROBE LOCATION
P-9	PIEZOMETER WELL LOCATION
	SUPPLY WELL
MW-1	MONITOR WELL/PIEZOMETER (PROPOSED FOR ABANDONMENT)

N

SCALE IN FEET

200 100 0 200 400



ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	J. LOCKLEAR, P.G.
DESIGNED	
DESIGNED	
CHECKED BY	
DRAWN BY	D. SOSA
DRAWN BY	
PROJECT NUMBER	69055

HDR

HDR ENGINEERING, INC.
200 W. FORSYTH ST.
SUITE 800
JACKSONVILLE, FL 32202
(904) 598-8900

ENTERPRISE ROAD
RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA

SITE MONITORING NETWORK

0 1" 2"
AT FULL SIZE BAR LENGTH EQUALS TWO INCHES. ADJUST SCALE ACCORDINGLY.

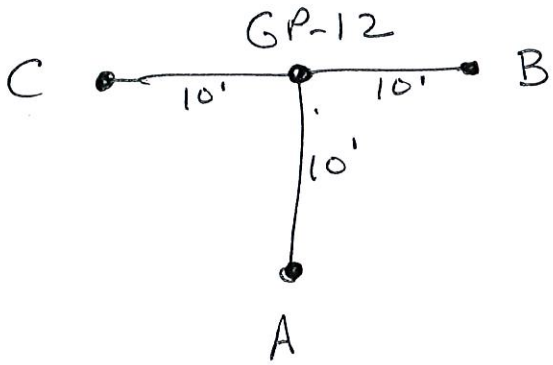
FILENAME	FIG-01.dwg
SCALE	1"=200'

SHEET
FIG-01

7/23/09 Dan L.

GP-12

N ↑



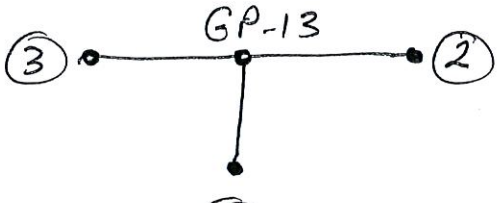
		Time	Peak	30 sec	45 sec	60 sec	CO_2
bore hole	A	0952	0.0	0.0			2.2
	B	0954	0.0	0.0			3.4
	C	0957	0.0	0.0			3.7

GP-13

~~Bore Hole 1~~

~~2~~

~~3~~



		Time	Peak	30 sec	45 sec	60 sec	90 sec.	CO_2	O_2
Bore Hole	1	1009	0.0	0.0				1.8	16.8
	2	1012	0.0	0.0				3.9	14.8
	3	1014	0.0	0.0				2.7	15.3

HDR ONE COMPANY | *Many Solutions* SM

Dept. of Environmental Protection

AUG 29 2007

Southwest District

August 27, 2007

Mr. John Morris, P.G.
Florida Department of Environmental Protection
Southwest District
13051 N. Telecom Parkway
Temple Terrace, Florida 33637

Re: Landfill Gas Monitoring and Probe Installation
Enterprise Recycling & Disposal Facility
FDEP Permit No. 177982-007-SO/T3

Dear John:

Quarterly landfill gas (LFG) monitoring at the above referenced facility has reported exceedances of the 100% Lower Explosive Limit (LEL) in probes GP-9 and GP-10. However, as we have discussed, landfill gas monitoring probes GP-9 and GP-10 are located more than 125 feet inside of the property boundary. As such, the data collected from these probes is not representative of compliance with Specific Condition F(2)(b) or Rule 62-701.530(1)(a), F.A.C. which require that landfill gas does not exceed 100% of the LEL at the property boundary. Accordingly, a minor permit modification application was submitted to your office on July 30, 2007 in which replacement LFG probes were proposed.

Based on the quarterly LFG monitoring data, weekly LFG monitoring was initiated in compliance with Specific Condition F(3)(a) of the current permit. Note that Specific Condition F(2)(d) requires monthly LFG monitoring if LFG exceedances are detected, while Specific Condition F(3)(a) requires weekly LFG monitoring if LFG exceedances are detected (through reference to the "Gas Contingency Plan" described in Section 3.10.1.4 of the "Landfill Engineering Report"). Since it is the more conservative of the two conflicting requirements, weekly monitoring was initiated. As part of the weekly monitoring and to provide additional data to evaluate compliance with Rule 62-701.530(1)(a), F.A.C., LFG probes GP-9R and GP-10R were installed on July 19, 2007. The probes were installed near the property boundary as shown in the monitoring network map provided in Attachment 1. LFG probes GP-9R and GP-10R were installed to ultimately replace existing probes GP-9 and GP-10, with the understanding that final approval must be issued by the Department in the form of a modified permit (as we discussed on June 15, 2007). Installation logs for GP-9R and GP-10R are provided in Attachment 2. The probes have been surveyed by a licensed Florida Surveyor and their locations are shown in the updated site monitoring network map provided in Attachment 1. It should be noted that existing probes GP-9 and GP-10 were not abandoned. Pending

WEEKLY GAS MON. EXCEEDS 7/19/07 TO 8/19/07

Department approval of the proposed changes to the monitoring network, probes GP-9 and GP-10 will be abandoned in accordance with the permit modification application.

While the Department is reviewing the July 30, 2007 permit modification application, data is being collected from GP-9, GP-10, GP-9R, GP-10R and on-site structures as part of the weekly monitoring effort. A summary of the weekly monitoring data is provided in Attachment 3. Data collected from GP-9 and GP-10 was consistent with values recorded during recent quarterly monitoring events. All data collected from GP-9R and GP-10R was 0% LEL. Likewise, all data collected from the on-site structures was 0% LEL for each monitoring event. Based on the absence of LFG at the property boundary (GP-9R and GP-10R) and in on-site structures (scale house and administration building), human health and safety is not be impacted. Therefore, we respectfully request to discontinue the weekly LFG monitoring and resume quarterly LFG monitoring. The third quarter 2007 LFG monitoring event is required to be completed before October 15, 2007 in accordance with Specific Condition F(2)(c). This monitoring event will be scheduled after the Department has completed its review of the July 30, 2007 permit modification application.

Please call me at (352) 682-0781 if you have any questions.

Respectfully,

John D Locklear

John Locklear, P.G.
Senior Project Manager

John D Locklear 8/27/07

John D. Locklear
FL PG 2467

ATTACHMENT 1

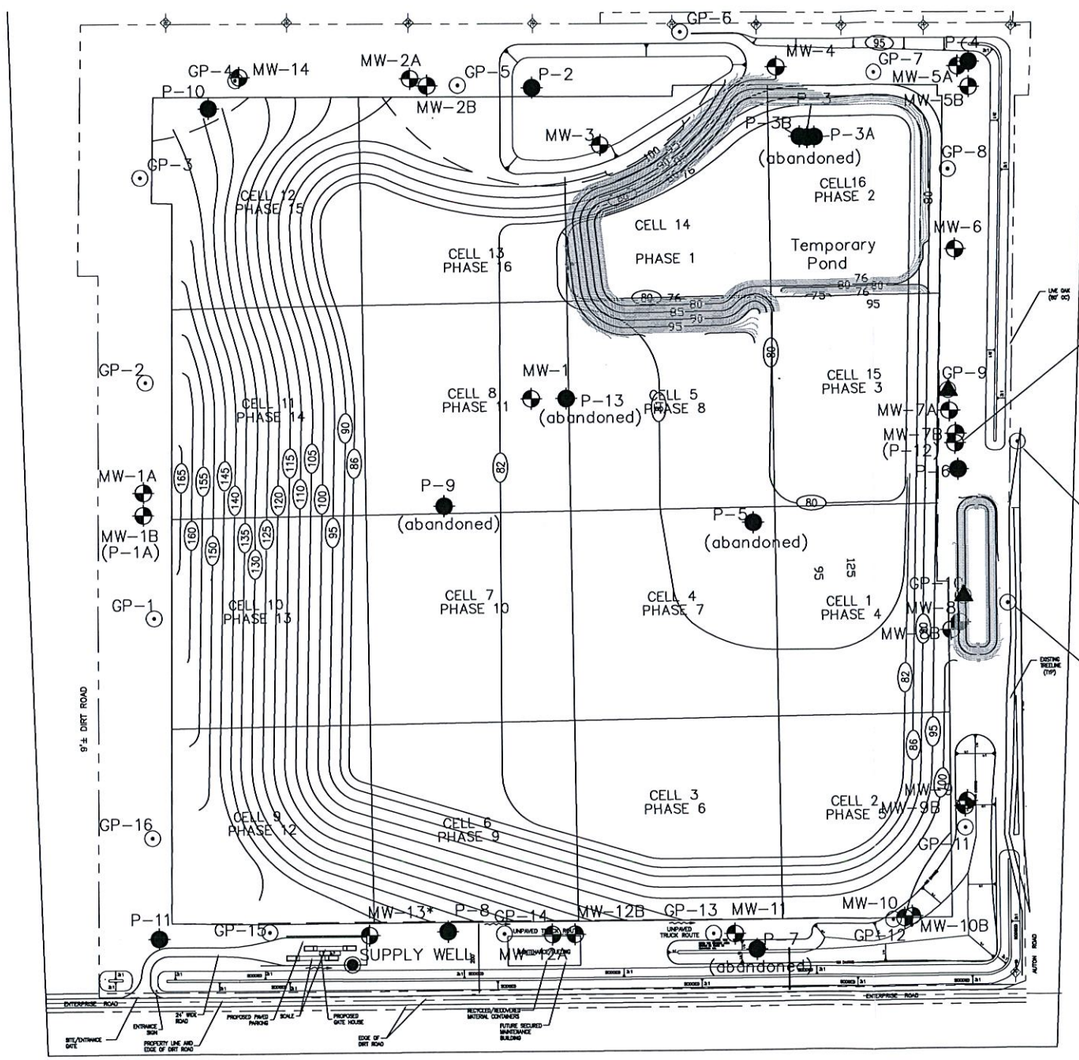
MONITORING NETWORK SITE PLAN

LEGEND

- MW-4 MONITOR WELL LOCATION
- GP-1 GAS PROBE LOCATION
- P-9 PIEZOMETER WELL LOCATION
- SUPPLY WELL
- MW-1 MONITOR WELL/GAS PROBE (PROPOSED FOR ABANDONMENT)

N

SCALE IN FEET
200 100 0 200 400



MW-7BR TOP OF CASING: 103.27
CONCRETE PAD: 100.41
1453702.47958 N
614060.97780 E
LAT: 28°19'58"
LON: 82°07'51"

GP-9R TOP OF CASING: 91.93
CONCRETE PAD: 89.06
1453703.77500 N
614230.30300 E
LAT: 28°19'58"
LON: 82°07'49"

GP-10R TOP OF CASING: 99.07
CONCRETE PAD: 96.27
1453264.09533 N
614202.37575 E
LAT: 28°19'53"
LON: 82°07'50"

HDR

HDR ENGINEERING, INC.
200 W. FORSYTH ST.
SUITE 800
JACKSONVILLE, FL 32202
(904) 598-8900

ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	J. LOCKLEAR, P.E.
DESIGNED	
DESIGNED	
CHECKED BY	
DRAWN BY	D. SOSA
DRAWN BY	
PROJECT NUMBER	60635

ENTERPRISE ROAD
RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA

SITE MONITORING NETWORK

0 1" 2"
AT FULL SIZE BAR LENGTH EQUALS TWO INCHES. ADJUST SCALE ACCORDINGLY.

FILENAME	FIG-01.dwg
SCALE	1"=200'

SHEET
FIG-01

ATTACHMENT 2

PROBE INSTALLATION LOGS

Borehole and Probe Construction Log

Site Name: Enterprise Class III
Boring ID: GP-9R
Date Begin: 19-Jul-07
Date End: 19-Jul-07

Contractor/Driller: Huss Drilling
Rig Type: BK 51
Method: Hollow stem auger

Probe Construction Log

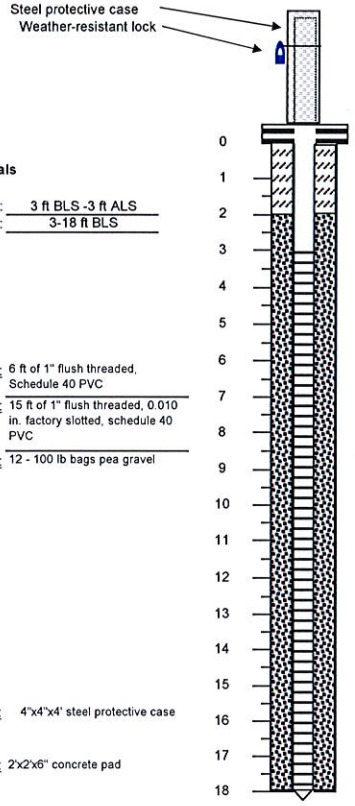
Sample Interval | Graphic Log | Description

8" bore hole

Elevations (FT-MSL)
PVC Top-of-Casing 91.93
Concrete Pad 89.06

Horizontal Position (Lat/Long)
Lat 28 19' 58"
Long 82 07' 49"

Note: FT-MSL - feet above mean sea level



0 -6 SAND, brown to orange, fine

6 - 18 SAND, orange to brown, clayey, very dry, dense

Construction Details

Well Construction Intervals

Riser: 3 ft BLS -3 ft ALS
Screen: 3-18 ft BLS

Materials

Riser: 6 ft of 1" flush threaded, Schedule 40 PVC
Screen: 15 ft of 1" flush threaded, 0.010 in. factory slotted, schedule 40 PVC
Filter Pack: 12 - 100 lb bags pea gravel

Surface Completion

Protection: 4"x4"x4' steel protective case
Pad: 2'x2'x6" concrete pad

Field Work: John Locklear
Log Draft: John Locklear

Symbols
Concrete:
Sand/Bentonite Slurry
Pea Gravel

Notes
' - feet
" - inches
BLS - below land surface
ALS - above land surface
bTOC - Below top of PVC casing
NA - not applicable
HSA - Hollow-stem auger

Borehole and Probe Construction Log

Site Name: Enterprise Class III
Boring ID: GP-10R
Date Begin: 19-Jul-07
Date End: 19-Jul-07

Contractor/Driller: Huss Drilling
Rig Type: BK 51
Method: Hollow stem auger

Probe Construction Log

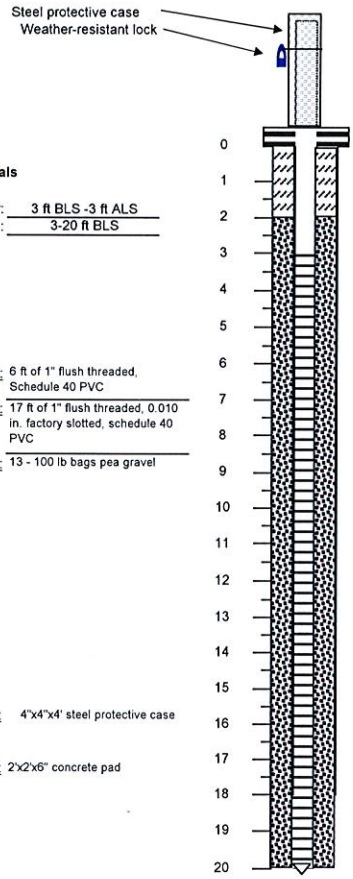
Sample Interval | Graphic Log | Description

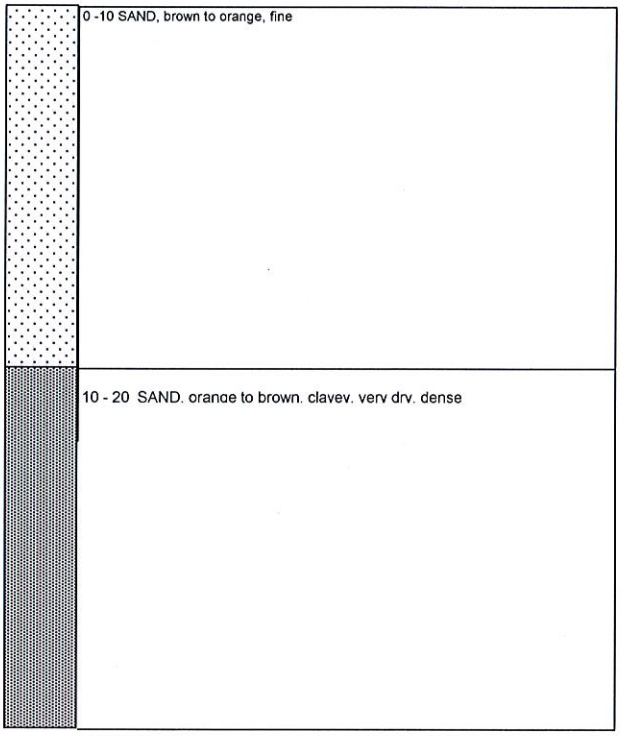
8" bore hole

Elevations (FT-MSL)
PVC Top-of-Casing 99.07
Concrete Pad 96.27

Horizontal Position (Lat/Long)
Lat 28 19'53"
Long 82 07'50"

Note: FT-MSL - feet above mean sea level





Construction Details

Well Construction Intervals

Riser: 3 ft BLS -3 ft ALS
Screen: 3-20 ft BLS

Materials

Riser: 6 ft of 1" flush threaded, Schedule 40 PVC
Screen: 17 ft of 1" flush threaded, 0.010 in. factory slotted, schedule 40 PVC
Filter Pack: 13 - 100 lb bags pea gravel

Surface Completion

Protection: 4"x4"x4' steel protective case
Pad: 2'x2'x6" concrete pad

Field Work: John Locklear
Log Draft: John Locklear

Symbols
Concrete:
Sand/Bentonite Slurry
Pea Gravel

Notes
' - feet
" - inches
BLS - below land surface
ALS - above land surface
bTOC - Below top of PVC casing
NA - not applicable
HSA - Hollow-stem auger

ATTACHMENT 3

SUMMMARY OF LANDFILL GAS MONITORING DATA

Enterprise Recycling & Disposal Facility
Class III Landfill
Weekly Gas Monitoring Summary Tables

Sample Location	Date	Time of Reading	Methane Levels	
			% CH_4	% of LEL
GP-9	7/19/2007	4:20 PM	3.2%	64.0%
GP-9R	7/19/2007	4:29 PM	0%	0%
GP-10	7/19/2007	4:25 PM	24.7%	494.0%
GP-10R	7/19/2007	4:33 PM	0%	0%
Scalehouse	7/19/2007	4:40 PM	0%	0%
Admin Bldg	7/19/2007	4:44 PM	0%	0%

Sample Location	Date	Time of Reading	Methane Levels	
			% CH_4	% of LEL
GP-9	7/23/2007	9:37 AM	3.0%	60.0%
GP-9R	7/23/2007	9:46 AM	0%	0%
GP-10	7/23/2007	9:41 AM	22.1%	442.0%
GP-10R	7/23/2007	9:50 AM	0%	0%
Scalehouse	7/23/2007	9:30 AM	0%	0%
Admin Bldg	7/23/2007	10:02 AM	0%	0%

Sample Location	Date	Time of Reading	Methane Levels	
			% CH_4	% of LEL
GP-9	8/3/2007	10:00 AM	2.6%	52.0%
GP-9R	8/3/2007	10:14 AM	0%	0%
GP-10	8/3/2007	10:08 AM	22.4%	448.0%
GP-10R	8/3/2007	10:14 AM	0%	0%
Scalehouse	8/3/2007	9:48 AM	0%	0%
Admin Bldg	8/3/2007	9:53 AM	0%	0%

Sample Location	Date	Time of Reading	Methane Levels	
			% CH_4	% of LEL
GP-9	8/9/2007	10:12 AM	2.4%	48.0%
GP-9R	8/9/2007	10:22 AM	0%	0%
GP-10	8/9/2007	10:17 AM	21.4%	428.0%
GP-10R	8/9/2007	10:28 AM	0%	0%
Scalehouse	8/9/2007	10:36 AM	0%	0%
Admin Bldg	8/9/2007	10:44 AM	0%	0%

Sample Location	Date	Time of Reading	Methane Levels	
			% CH_4	% of LEL
GP-9	8/14/2007	12:34 PM	2.5%	50.0%
GP-9R	8/14/2007	12:44 PM	0%	0%
GP-10	8/14/2007	12:39 PM	21.8%	436.0%
GP-10R	8/14/2007	12:49 PM	0%	0%
Scalehouse	8/14/2007	12:20 PM	0%	0%
Admin Bldg	8/14/2007	12:25 PM	0%	0%

gas file

Pelz, Susan

From: Pelz, Susan
Sent: Monday, April 16, 2007 4:30 PM
To: John Arnold
Cc: John Locklear (john.locklear@hdrinc.com); Morris, John R.
Subject: Enterprise CIII

John,

The Department has reviewed the gas monitoring report dated April 12, 2007 (received April 13, 2007). Please provide a request for minor modification to provide the construction details and figure showing the locations of the proposed gas probes in the vicinity of GP-9 and GP-10. Please also include replacement pages for the operation plan that reference the monitoring probe locations and/or numbers.

The minor modification fee is $250.

Since the operation renewal permit is anticipated to be issued shortly, the modification will likely be completed after the renewal permit is issued.

If you have any questions, please call or email (email is better).

Susan J. Pelz, P.E.
Solid Waste Program Manager
Southwest District

13051 N. Telecom Parkway
Temple Terrace, Fl. 33637
813-632-7600 x 386
susan.pelz@dep.state.fl.us

HDR

ONE COMPANY | *Many Solutions* SM

252513

April 12, 2007

Dept. of Environmenta
Protection

APR 13 2007

Southwest District

Ms. Susan Pelz, P.E. 4/16
Florida Department of Environmental Protection
Southwest District
13051 N. Telecom Parkway
Temple Terrace, Florida 33637

Re: Quarterly Gas Monitoring Report
Enterprise Recycling & Disposal Facility
FDEP Permit No. 177982-002-SO
Pasco County, Florida

Dear Susan:

On behalf of Angelo's Aggregate Materials, Ltd. (Angelo's), HDR Engineering, Inc. (HDR) is submitting the results of the quarterly gas monitoring event for the Enterprise Recycling and Disposal Facility in Dade City, Florida. The quarterly gas monitoring was completed in accordance with Specified Condition No. 20 of the above referenced operating permit. A copy of the Gas Monitoring Survey Form and a location map are attached for your review.

Pre-purge measurements were recorded on the Gas Monitoring Survey Form, as required by the Department approved Operations Plan. In addition, HDR's field technician measured readings of ambient air conditions at each gas probe location. Methane was detected above 100% of the Lower Explosive Limit (LEL) in probe GP-10. Methane was also detected in GP-9, but readings were below the LEL. It should be noted that GP-9 and GP-10 are located approximately 100 feet inside the facility property boundary. Additional measurements were taken at bar probe locations to the east of GP-10 and GP-9 at the property boundary. No methane was detected in either bar probe monitoring point. Therefore, the data collected at GP-10 does not represent a violation of Rule 62-701.530, F.A.C. It is recommended that gas probes GP-9 and GP-10 be relocated east of their current locations to the facility property boundary. This proposed action will be addressed under separate cover.

Please call me at 352-682-0781 if you have any questions.

Sincerely,

C. Lee Haigh for

John Locklear, P.G.
Senior Project Manager

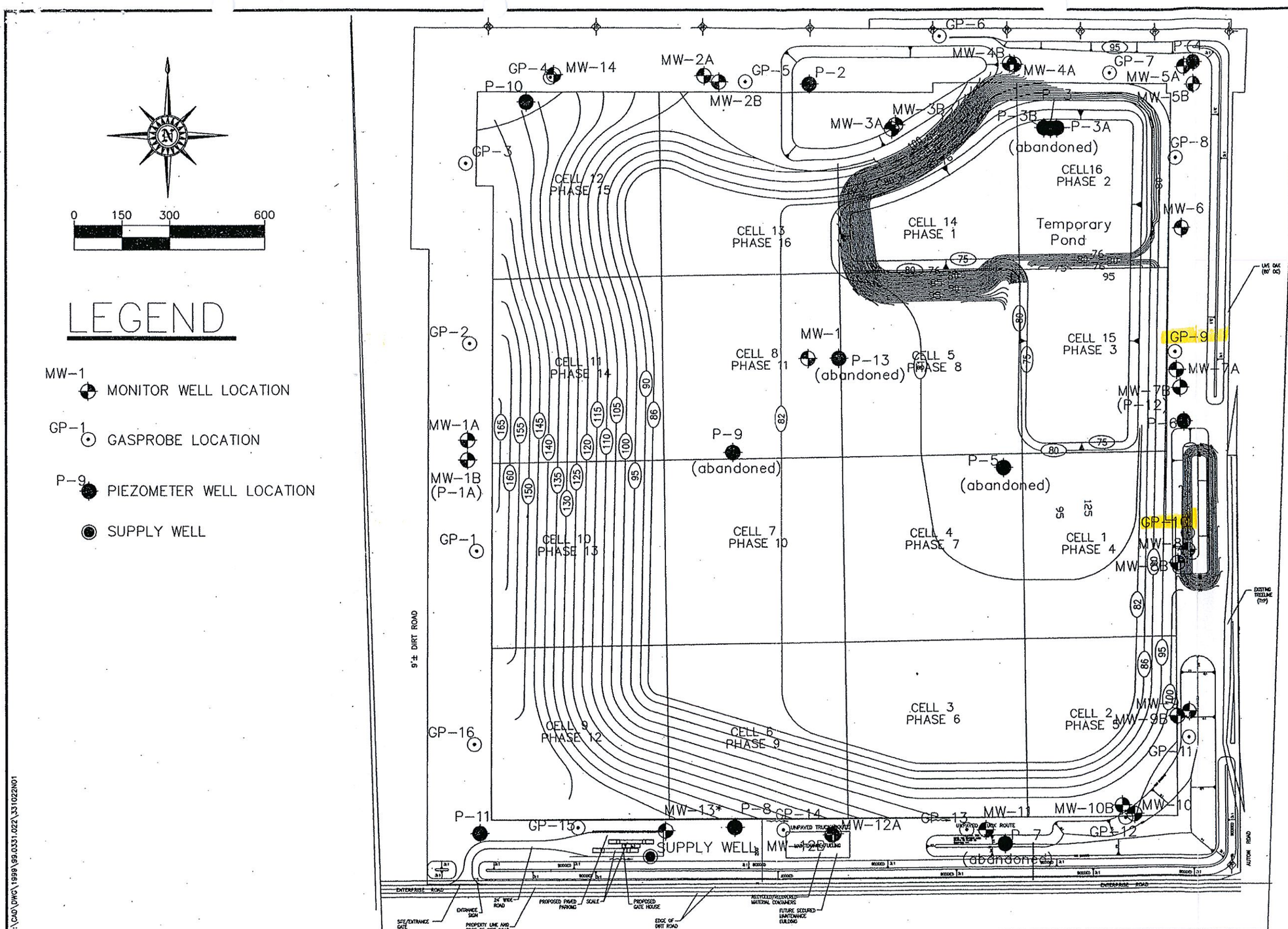
Enterprise Recycling & Disposal Facility
Class III Landfill
Gas Monitoring Survey Form

Date: 4/9/2007
Instrument: GEM 500
Sampler: C. Lee Daigle - HDR Engineering, Inc.

Gas Probe No.	Time of Reading	Ambient Air Temperature (°F)	Ambient Air Oxygen Conect (% by Volume)	Ambient Air Methane (% LEL)	Methane Level Pre-Purge Measurement		Methane Level Post-Puge Measurement		Methane Level Bar-hole Punch Measurement	
					% CH_4	% of LEL	% CH_4	% of LEL	% CH_4	% of LEL
1	Not Installed									
2	Not Installed									
3	Not Installed									
4	Not Installed									
5	Not Installed									
6	12:45 PM	64°	20.9%	0%	0%	0%				
7	12:20 PM	64°	20.9%	0%	0%	0%				
8	12:05 PM	64°	20.9%	0%	0%	0%				
9	11:40 AM	64°	20.9%	0%	2.6%	52.0%	2.2%	44.0%	0%	0%
10	11:25 AM	64°	20.9%	0%	22.7%	454.0%	22.4%	448.0%	0%	0%
11	11:05 AM	64°	20.9%	0%	0%	0%				
12	10:42 AM	64°	20.9%	0%	0%	0%				
13	10:25 AM	64°	20.9%	0%	0%	0%				
14	10:15 AM	64°	20.9%	0%	0%	0%				
15	Not Installed									
16	Not Installed									

Notes:

Wind Direction - Wind was from the South-East
Weather Conditions - Weather was mild with overcast and a slight rain
Damage to Probes - None
Offsite Activities - No unusual offsite activity was noted



HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants
201 EAST PINE STREET – SUITE 1000 – ORLANDO, FL 32801
TELEPHONE (407) 839-3955 – FAX (407) 839-3790

WELL LOCATION MAP
ENTERPRISE ROAD RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA

FIGURE
1

R:\CAD\DWG\1999\99.0331.022\331022N01

252513
GMR
JPM
6/20/07

TETRA TECH

Dept. of Environmental Protection

MAR 09 2007

Southwest District

March 8, 2007

Via Facsimile and UPS Overnight

Ms. Susan Pelz, P.E.
Florida Department of Environmental Protection
Southwest District
13051 North Telecom Parkway
Temple Terrace, Florida 33637

Subject: **Quarterly Gas Monitoring Report**
Enterprise Recycling & Disposal Facility
FDEP Permit No. 177982-002-SO
Pasco County, Florida

Tt #99.0331.030
File 12.0

Dear Ms. Pelz:

On behalf of Angelo's Aggregate Materials, Ltd. (Angelo's), Tetra Tech is submitting the results of the quarterly gas monitoring event for the Enterprise Recycling and Disposal Facility in Dade City, Florida. The quarterly gas monitoring was completed in accordance with Specific Condition No. 20 of the above referenced operating permit.

Pre-purge measurements were recorded on the Gas Monitoring Survey Form, as required by the Department approved Operations Plan. In addition, Tetra Tech's field technician measured readings of the ambient air conditions at each gas probe location and inside the scale house. Methane was detected at a level of at least 22% of the LEL at GP-10, and 4% of the LEL at GP-9 during the monitoring event on March 1, 2007. After allowing the probe to vent for approximately one hour, methane was still detected at 3% of the LEL at GP-10, and was no longer detected at GP-9. Methane was not detected at any of the other gas probes, in the ambient air, or in the scalehouse during the monitoring event.

Since methane was not detected in the ambient air, or above the 100% LEL at GP-10 and/or GP-9, or above 25% of the LEL or higher in a structure, implementation of the Gas Contingency Plan is not required at this time.

All gas probes were intact and locked upon inspection by the field technician, with the exception of probe GP-9 which was damaged. However, the damage is not significant and the probe was able to be sampled without a problem.

201 East Pine Street, Suite 1000, Orlando, FL 32801
Tel 407.839.3955 Fax 407.839.3790 www.tetratech.com

Weather conditions were mostly cloudy, warm, and dry with a breeze from the southeast at the time of the sampling. No unusual off-site activity was observed at the time of the sampling. A copy of the Gas Monitoring Survey Form and a location map are attached for your review.

Please call me if you have any questions.

Very truly yours,

Tetra Tech

FOR

Jennifer L. Deal, P.E.
Project Manager

JLD/slm/99.0331.030/corresp/Pelz2.jld.DOC
Attachments
C: John Arnold/Jeff Rogers, Angelo's

ENTERPRISE RECYCLING & DISPOSAL FACILITY
CLASS III LANDFILL
GAS MONITORING SURVEY FORM

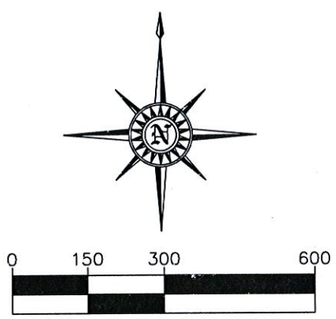
Date: 3/1/07
Instrument: QRAE Toxic Gas Meter
Sampler: Dale Clayton

GAS PROBE NO.	TIME OF READING	AMBIENT AIR TEMP °F	AMBIENT AIR OXYGEN CONTENT %	AMBIENT AIR METHANE % of LEL	METHANE LEVEL Pre-Purge Measurement			METHANE LEVEL Post-Purge Measurement		
					% O_2	% by Vol.	% of LEL	% O_2	% by Vol.	% of LEL
1	Not installed									
2	Not installed									
3	Not installed									
4	Not installed									
5	Not installed									
* 6	1034	80°	20.9	0	20.9	–	0	–	–	–
* 7	1028	82°	20.9	0	20.9	–	0	–	–	–
8	1020	84°	20.9	0	20.9	–	0	–	–	–
9	1009	83°	20.9	0	19.8		4	20.1		0
10	1001	83°	20.9	0	19.4		22	18.9		3
* 11	0953	81°	20.9	0	20.9	–	0	–	–	–
* 12	0946	81°	20.9	0	20.5	–	0	–	–	–
* 13	0937	79°	20.9	0	20.7	–	0	–	–	–
14	0910	72°	20.9	0	20.9	–	0	–	–	–
15	Not installed									
16	Not installed									
Scale house	0900	76°	20.9	0	N/A	N/A	N/A	N/A	N/A	N/A

NR - Not required, no methane indicated in pre-purge measurement

Notes: (Wind direction, weather conditions, damage to gas probes, adjacent off-site activity observed, etc.)

0855: On site. Checked in with Scale House
0900: Began gas monitoring.
1120: Completed gas monitoring
1130: Checked out with Scale House, off site.
Notes: 1) Breeze from the southeast.
2) Mostly cloudy, dry
3) Top of valve on GP-9 is damaged.
4) No unusual off site activity noted.
* Cut lock with bolt cutters, needs to be replaced.



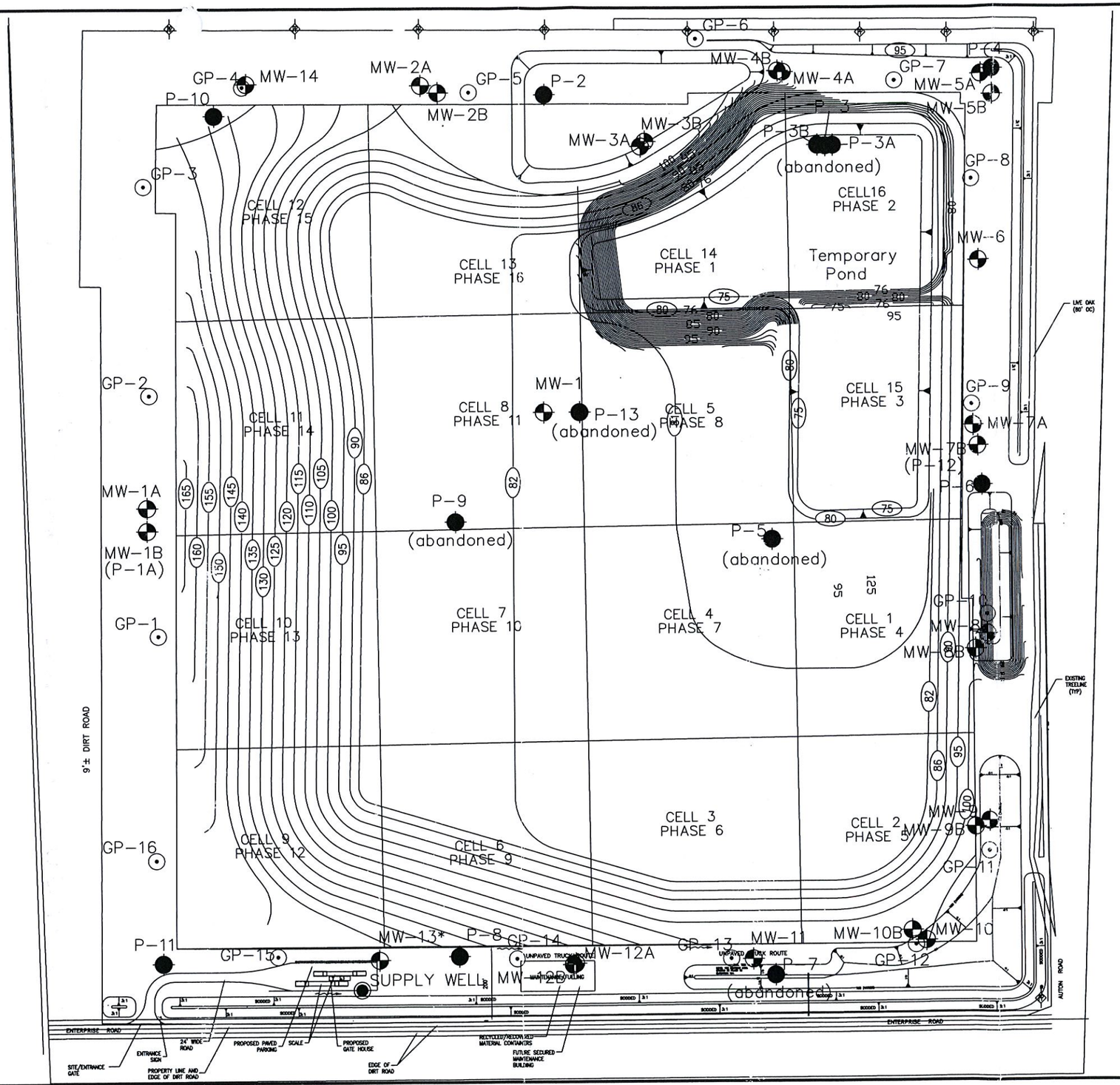
LEGEND

MW-1 MONITOR WELL LOCATION

GP-1 GASPROBE LOCATION

P-9 PIEZOMETER WELL LOCATION

SUPPLY WELL



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
MAR 09 2007
SOUTHWEST DISTRICT
TAMPA

R:\CAD\DWG\1999\99.0331.030\331030N01

HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants
201 EAST PINE STREET - SUITE 1000 - ORLANDO, FL 32801
TELEPHONE (407) 839-3955 - FAX (407) 839-3790

WELL LOCATION MAP
ENTERPRISE ROAD RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA

FIGURE 1

252513 SNW

TETRA TECH HAI

Mark A. Rynning, P.E., M.B.A.
James E. Christopher, P.E.
Charles W. Drake, P.G.
William D. Musser, P.E., P.H.
Lawrence E. Jenkins, P.S.M.
Jon D. Fox, P.E.
Jill M. Hudkins, P.E.

Roderick K. Cashe, P.E.
Douglas P. Dufresne, P.G.
Daniel M. Nelson, P.E.

Andrew T. Woodcock, P.E., M.B.A.
John P. Toomey, P.E.
Jennifer L. Woodall, P.E.
Valene C. Davis, P.G.
Charles M. Shultz, P.E.
Sean M. Parks, AICP, QEP
W. Bruce Lafrenz, P.G.
James R. Warner, P.E.

Dept. of Environmental Protection

OCT 13 2006

Southwest District

October 12, 2006

Via Facsimile and UPS Overnight

Ms. Susan Pelz, P.E. 10/16
Florida Department of Environmental Protection
Southwest District
13051 North Telecom Parkway
Temple Terrace, Florida 33637

Subject: Quarterly Gas Monitoring Report
Enterprise Recycling & Disposal Facility
FDEP Permit No. 177982-002-SO
Pasco County, Florida

Tt HAI #99.0331.030
File 12.0

Dear Ms. Pelz:

On behalf of Angelo's Aggregate Materials, Ltd. (Angelo's), Tetra Tech HAI (Tt HAI) is submitting the results of the quarterly gas monitoring event for the Enterprise Recycling and Disposal Facility in Dade City, Florida. The quarterly gas monitoring was completed in accordance with Specific Condition No. 20 of the above referenced operating permit.

Pre-purge measurements were recorded on the Gas Monitoring Survey Form, as required by the Department approved Operations Plan. In addition, Tt HAI's field technician measured readings of the ambient air conditions at each gas probe location and inside the scale house. Methane was detected at a level of at least 100% of the LEL at GP-10 during the monitoring event on October 4, 2006. After allowing the probe to vent for approximately one hour, methane was still detected at 100% of the LEL. Methane was not detected at any of the other gas probes, in the ambient air, or in the scalehouse during the monitoring event.

In accordance with the approved Operations Plan, Section 10.1.2, revision date July 8, 2005, the following Gas Contingency Plan is to be implemented as a result of the methane measurement at GP-10:

"The following Contingency Plan will be implemented if any of the measured gas monitoring points methane levels are detected above the 100% LEL of greater than 5 percent methane in air, or if 25% of the LEL or higher is measured in a structure. If this level of methane or greater is detected in any of the probes, the Enterprise RDF landfill operator will institute measurement of methane in nearby structures, i.e., stormwater collection points, or any maintenance or office buildings nearby the subject gas probe until these levels go below the 100% LEL at the subject probe. If methane levels

201 East Pine Street, Suite 1000, Orlando, FL 32801
Tel 407.839.3955 Fax 407.839.3790
www.tetratech.com

measured in any on-site building exceed 25% of the LEL, building windows and/or doors will be opened for ventilation and all personnel evacuated until methane readings are maintained below 25% of the LEL for methane. The monitoring report for any event that detects methane above the LEL will also report methane levels from any nearby structures and may include monthly monitoring measurements at the high methane gas probe points until the levels go below the methane LEL level or until corrective actions are conducted to reduce methane levels. The FDEP will be notified within seven days of any gas monitoring levels that exceed the LEL."

Since methane was not detected in the ambient air at the location of GP-10 or in the scalehouse (nearest structure) during the monitoring event, Tt HAI recommends that monthly gas monitoring be implemented to determine whether corrective action is necessary.

All gas probes were intact and locked upon inspection by the field technician, with the exception of probe GP-9 which was damaged. However, the damage is not significant and the probe was able to be sampled without a problem.

Weather conditions were sunny, warm, and dry with a breeze from the east at the time of the sampling. No unusual off-site activity was observed at the time of the sampling. A copy of the Gas Monitoring Survey Form and a location map are attached for your review.

Please call me if you have any questions.

Very truly yours,

Tetra Tech HAI

For Miguel Gomez

Jennifer L. Deal, P.E.
Project Manager

JLD/cr/99.0331.030/corresp/Pelz.jld
Attachments
cc: John Arnold/Jeff Rogers, Angelo's

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
OCT 13 2006
SOUTHWEST DISTRICT
TAMPA

ENTERPRISE RECYCLING & DISPOSAL FACILITY
CLASS III LANDFILL
GAS MONITORING SURVEY FORM

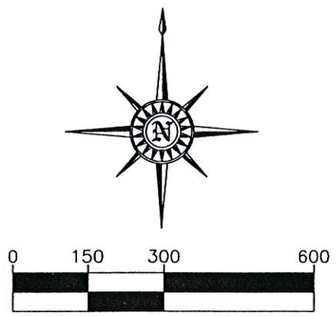
Date: 10/4/06
Instrument: QBae LEL Meter
Sampler: Dale Clayton

GAS PROBE NO.	TIME OF READING	AMBIENT AIR TEMP °F	AMBIENT AIR OXYGEN CONTENT %	AMBIENT AIR METHANE % of LEL	METHANE LEVEL Pre-Purge Measurement			METHANE LEVEL Post-Purge Measurement		
					% O_2	% by Vol.	% of LEL	% O_2	% by Vol.	% of LEL
1	Not installed									
2	Not installed									
3	Not installed									
4	Not installed									
5	Not installed									
6	1110	90°	20.9	0	20.9		0	—		—
7	1103	90°	20.9	0	20.9		0	—		—
8	1057	91°	20.9	0	19.8		0	—		—
9	1026	90°	20.9	0	11.1		0	—		—
10	1035	88°	20.9	0	5.8		100%	19.8		100%
11	1020	88°	20.9	0	20.3		0	—		—
12	1016	88°	20.9	0	17.1		0	—		—
13	1011	87°	20.9	0	19.0		0	—		—
14	1004	87°	20.9	0	20.9		0	—		—
15	Not installed									
16	Not installed									
Scale house	0946	78°	20.9	0	N/A	N/A	N/A	N/A	N/A	N/A

NR - Not required, no methane indicated in pre-purge measurement

Notes: (Wind direction, weather conditions, damage to gas probes, adjacent off-site activity observed, etc.)

1) Breeze from the east
2) Sunny, warm, dry
3) Valve nipple on GP-9 is damaged: cover on above ground protector contacts nipple when closed. Can still sample gas probe.
4) No unusual off site activity observed.



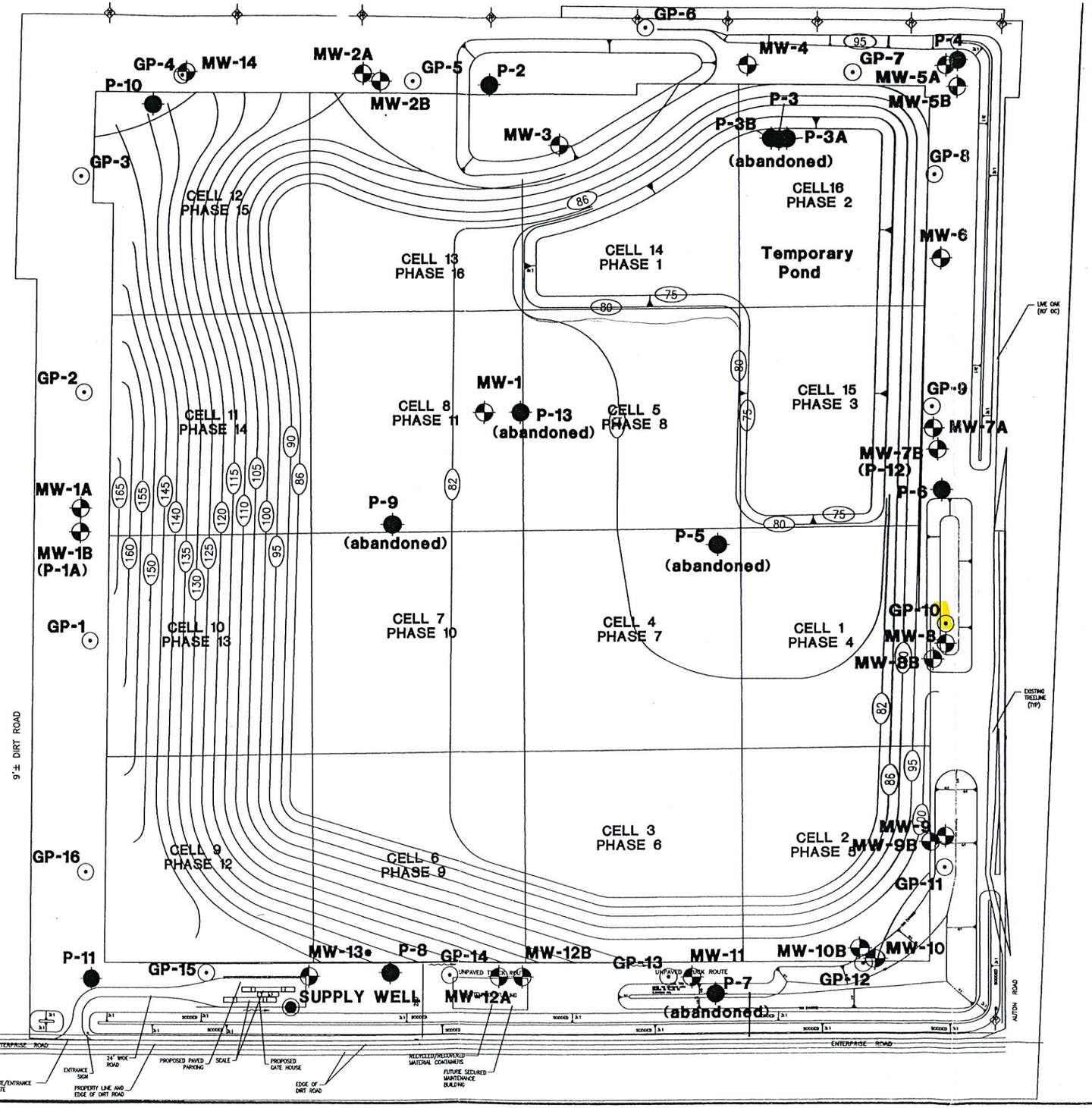
LEGEND

MW-1 — MONITOR WELL LOCATION

GP-1 — GASPROBE LOCATION

P-9 — PIEZOMETER WELL LOCATION

SUPPLY WELL



Dept. of Environmental Protection

OCT 13 2006

Southwest District

R:\CAD\DWG\1999\99.0331.007\33107N01

HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants
201 EAST PINE STREET – SUITE 1000 – ORLANDO, FL 32801
TELEPHONE (407) 839-3955 – FAX (407) 839-3790

WELL LOCATION MAP
ENTERPRISE ROAD RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA

FIGURE 1A

252513

TETRA TECH HAI

Mark A. Rynning, P.E., M.B.A.
James E. Christopher, P.E.
Charles W. Drake, P.G.
William D. Musser, P.E., P.H.
Lawrence E. Jenkins, P.S.M.
Jon D. Fox, P.E.
Jill M. Hudkins, P.E.

Roderick K. Cashe, P.E.
Douglas P. Dufresne, P.G.
Daniel M. Nelson, P.E.

Andrew T. Woodcock, P.E., M.B.A.
John P. Toomey, P.E.
Jennifer L. Woodall, P.E.
Valerie C. Davis, P.G.
Charles M. Shultz, P.E.
Sean M. Parks, AICP, QEP
W. Bruce Lafrenz, P.G.
James R. Warner, P.E.

July 14, 2006

[RECEIVED VIA FAX ON 7/14/06]

Via Facsimile and UPS Overnight

Dept. of Environmental Protection
JUL 17 2006
Southwest District

Ms. Susan Pelz, P.E.
Florida Department of Environmental Protection
Southwest District
13051 North Telecom Parkway
Temple Terrace, Florida 33637

Subject: Quarterly Gas Monitoring Report
Enterprise Recycling & Disposal Facility
FDEP Permit No. 177982-002-SO
Pasco County, Florida

Tt HAI #99.0331.029
File 12.0

Dear Ms. Pelz:

On behalf of Angelo's Aggregate Materials, Ltd. (Angelo's), Tetra Tech HAI (Tt HAI) is submitting the results of the quarterly gas monitoring event for the Enterprise Recycling and Disposal Facility in Dade City, Florida. The quarterly gas monitoring was completed in accordance with Specific Condition No. 20 of the above referenced operating permit.

Pre-purge measurements were recorded on the Gas Monitoring Survey Form, as required by the Department approved Operations Plan. In addition, Tt HAI's field technician measured readings of the ambient air conditions at each gas probe location and inside the scale house. Methane was not detected at any of the gas probes or in the ambient air, including the scale house during the monitoring event on July 14, 2006.

All gas probes were intact and locked upon inspection by the field technician, with the exception of probe GP-9 which was damaged. Gas probes GP-7 and GP-8 had damaged concrete pads. Tt HAI recommends repair of gas probe GP-9 and replacement of the damaged concrete pads prior to the next gas monitoring event.

Weather conditions were sunny, cool, and dry. Wind was calm and from no particular direction at the time of the sampling. No unusual off-site activity was observed at the time of the sampling. A copy of the Gas Monitoring Survey Form and a location map are attached for your review.

201 East Pine Street, Suite 1000, Orlando, FL 32801
Tel 407.839.3955 Fax 407.839.3790
www.tetratech.com

TETRA TECH HAI

Please call me if you have any questions.

Very truly yours,

Tetra Tech HAI

Jennifer L. Deal, P.E.
Project Manager

Attachments

I:\WORDPROC\1999\99.0331.029\corresp\PELZ.jld.DOC
cc: John Arnold/Jeff Rogers, Angelo's

To: Jennifer Deal
From: Dale Clayton

Dept. of Environmental Protection
JUL 17 2006
Southwest District

ENTERPRISE RECYCLING & DISPOSAL FACILITY
CLASS III LANDFILL
GAS MONITORING SURVEY FORM

Date: 7/14/06
Instrument: QRAE Plus
Sampler: Dale Clayton

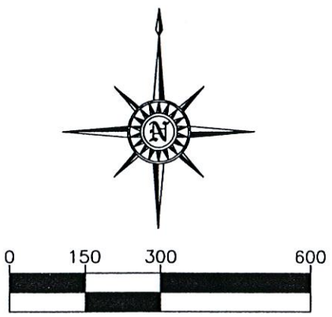
GAS PROBE NO.	TIME OF READING	AMBIENT AIR TEMP °F	AMBIENT AIR OXYGEN CONTENT %	AMBIENT AIR METHANE % of LEL	METHANE LEVEL Pre-Purge Measurement			METHANE LEVEL Post-Purge Measurement		
					% O_2	% by Vol.	% of LEL	% O_2	% by Vol.	% of LEL
1	Not installed									
2	Not installed									
3	Not installed									
4	Not installed									
5	Not installed									
6	0834	80°	21.2	0	21.1	—	0	—	—	—
7	0840	81°	20.9	0	20.1	—	0	—	—	—
8	0818	78°	20.9	0	20.0	—	0	—	—	—
9	0745	80°	20.7	0	20.9	—	0	—	—	—
10	0739	77°	20.9	0	19.9	—	0 NR	—	—	—
11	0736	77°	20.4	0	20.5	—	0	—	—	—
12	0731	78°	20.6	0	19.2	—	0	—	—	—
13	0723	78°	20.9	0	20.9	—	0	—	—	—
14	0826	81°	20.9	0	20.9	—	0	—	—	—
15	Not installed									
16	Not installed									
Scale house	0710	77°	20.9	0	N/A	N/A	N/A	N/A	N/A	N/A

NR - Not required, no methane indicated in pre-purge measurement

Notes: (Wind direction, weather conditions, damage to gas probes, adjacent off-site activity observed, etc.)

0700: On site. Checked in with Scale House.
0710: Began Gas Monitoring.
0848: Completed Gas Monitoring.

1) Wind Direction: Calm
2) Sunny, cool, dry
3) Nipple on GP-9 Damaged. Concrete pad damaged on GP-8 + GP-7
4) No unusual off site activity noted.



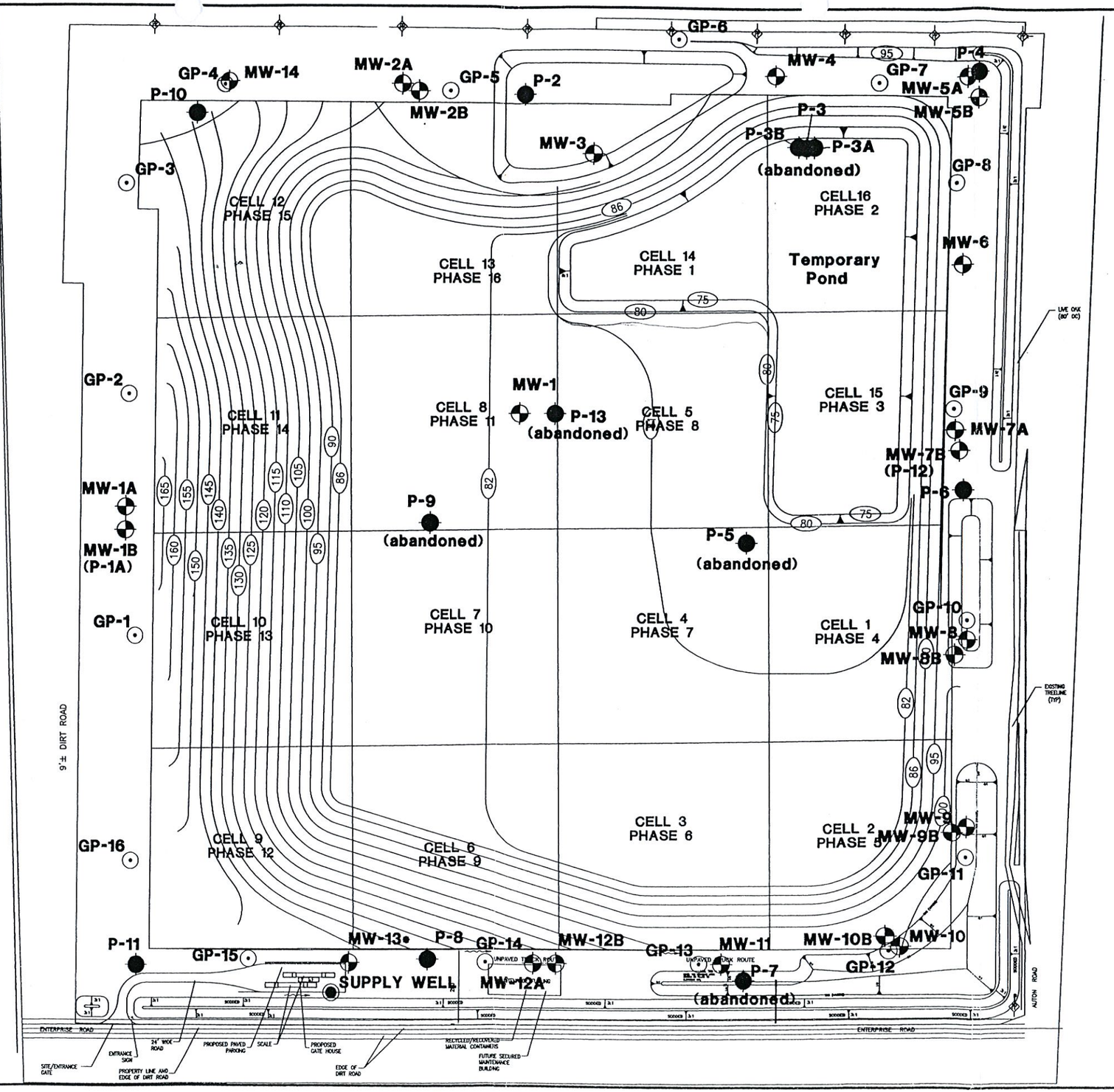
LEGEND

MW-1 — MONITOR WELL LOCATION

GP-1 — GASPROBE LOCATION

P-9 — PIEZOMETER WELL LOCATION

SUPPLY WELL



FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
JUL 17 2006
SOUTHWEST DISTRICT
TAMPA

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HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants
201 EAST PINE STREET - SUITE 1000 - ORLANDO, FL 32801
TELEPHONE (407) 839-3955 - FAX (407) 839-3790

WELL LOCATION MAP
ENTERPRISE ROAD RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA

FIGURE 1A

252513

TETRA TECH HAI

Mark A. Rynning, PE., M.B.A.
James E. Christopher, PE.
Charles W. Drake, P.G.
William D. Musser, PE., P.H.
Lawrence E. Jenkins, PS.M.
Jon D. Fox, PE.
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Jennifer L. Woodall, PE.
Valerie C. Davis, P.G.
Charles M. Shultz, PE.
Sean M. Parks, AICP, QEP
W. Bruce Lafrenz, P.G.
James R. Warner, PE.

Dept. of Environmental Protection

APR 17 2006

Southwest District

April 14, 2006

Via UPS Overnight 4/17/06

Ms. Susan Pelz, P.E.
Florida Department of Environmental Protection
Southwest District
13051 N. Telecom Parkway
Temple Terrace, Florida 33637

Subject: **Quarterly Gas Monitoring Report**
Enterprise Recycling & Disposal Facility
FDEP Permit No. 177982-002-SO
Pasco County, Florida

Tt HAI #99.0331.029, File 12.0

Dear Ms. Pelz:

On behalf of Angelo's Aggregate Materials, Ltd. (Angelo's), Tetra Tech HAI (Tt HAI) is submitting the results of the quarterly gas monitoring event for the Enterprise Recycling and Disposal Facility in Dade City, Florida. The quarterly gas monitoring was completed in accordance with Specific Condition No. 20 of the above referenced operating permit.

Pre-purge measurements were recorded on the Gas Monitoring Survey Form, as required by the Department approved Operations Plan. In addition, Tt HAI's field technician measured readings of the ambient air conditions at each gas probe location and inside the scale house. Methane was not detected at any of the gas probes or in the ambient air, including the scale house during the monitoring event on April 12, 2006.

All gas probes were intact and locked upon inspection by the field technician. Gas probe GP-6 was re-installed prior to the quarterly sampling event and the results are included in this report.

Weather conditions were partly cloudy, windy, and warm. Wind direction was from the northeast. A copy of the Gas Monitoring Survey Form and a location map are attached for your review.

Please call me if you have any questions.

Very truly yours,

Tetra Tech HAI

Miguel A. Garcia, P.G.
Project Hydrogeologist

MAG/slm/99.0331.029/corresp/QrtrlyGasMonRpt.mag.DOC
Attachments
C: Jeff Rogers, Angelo's

201 East Pine Street, Suite 1000, Orlando, FL 32801
Tel 407.839.3955 Fax 407.839.3790
www.tetratech.com

Dept. of Environmenta
Protection

APR 17 2006

Southwest District

ENTERPRISE RECYCLING & DISPOSAL FACILITY
CLASS III LANDFILL
GAS MONITORING SURVEY FORM

Date: 4/12/06
Instrument: QBAE
Sampler: Dale Clayton

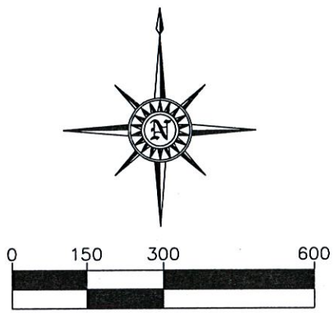
GAS PROBE NO.	TIME OF READING	AMBIENT AIR TEMP °F	AMBIENT AIR OXYGEN CONTENT %	AMBIENT AIR METHANE % of LEL	METHANE LEVEL Pre-Purge Measurement			METHANE LEVEL Post-Purge Measurement		
					% O_2	% by Vol.	% of LEL	% O_2	% by Vol.	% of LEL
1	Not installed									
2	Not installed									
3	Not installed									
4	Not installed									
5	Not installed									
6	1232	77°	21.5	0	21.4		0	—		—
7	1224	77°	21.5	0	20.9		0	—		—
8	1150	76°	21.9	0	21.4		0	—		—
9	1132	79°	21.9	0	20.9		0	—		—
10	1123	76°	21.7	0	20.2		0	—		—
11	1110	75°	21.3	0	21.2		0	—		—
12	1105	77°	20.9	0	20.2		0	—		—
13	1100	77°	21.5	0	20.2		0	—		—
14	1245	74°	21.4	0	21.2		0	—		—
15	Not installed									
16	Not installed									
Scale house	1028	75°	21.4	0	N/A	N/A	N/A	N/A	N/A	N/A

NR - Not required, no methane indicated in pre-purge measurement

Notes: (Wind direction, weather conditions, damage to gas probes, adjacent off-site activity observed, etc.)

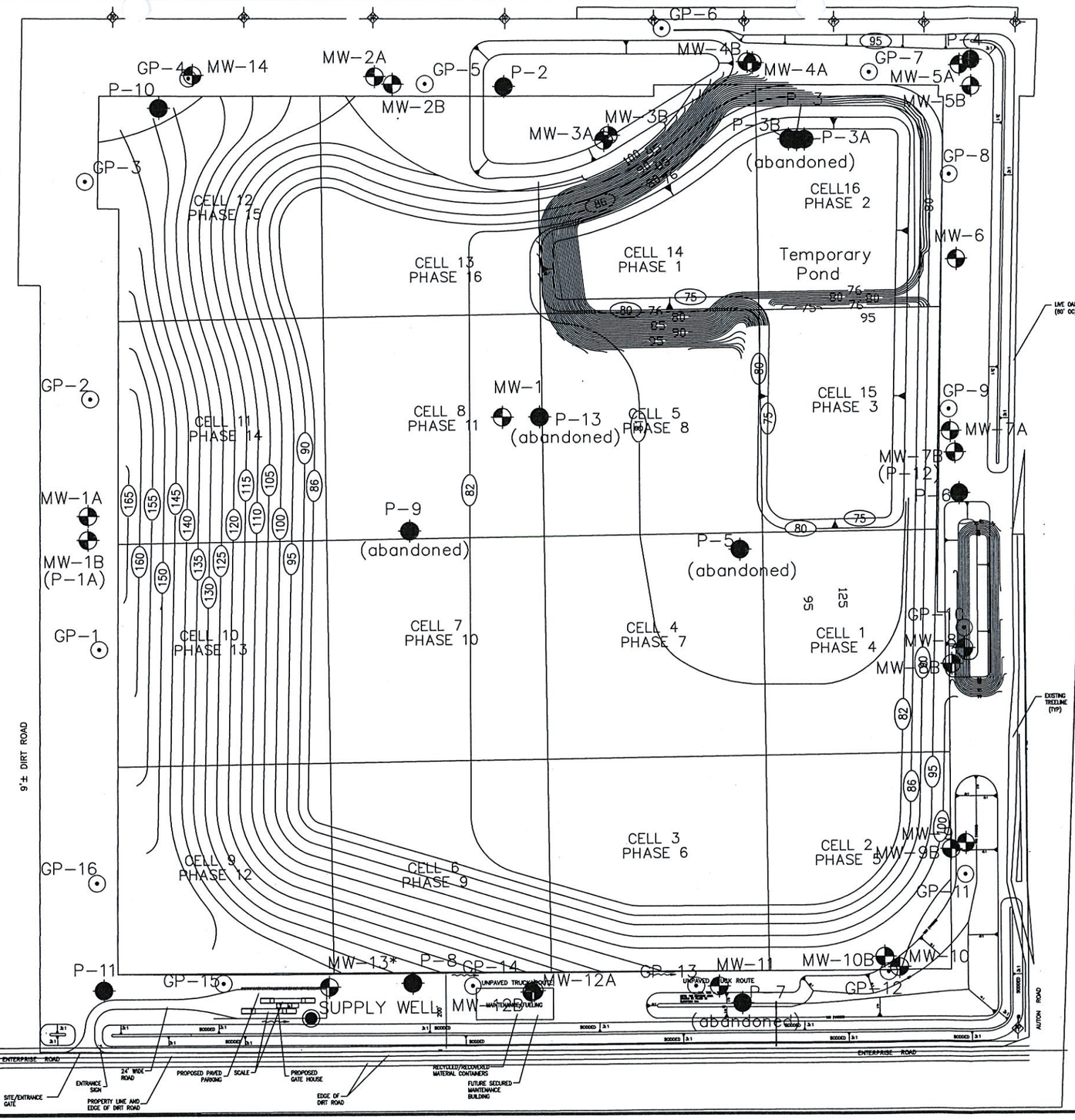
1) Wind from the northeast (breezy)
2) Weather is warm, breezy, cloudy, wet and muddy
3) GP-7 & GP-8 have been damaged. Concrete pads are destroyed and well/protective covers have been bent over slightly. Wells are serviceable.
4) No unusual off site activity.

Dept. of Environmental Protection
APR 17 2006
Southwest District



LEGEND

- MW-1 — MONITOR WELL LOCATION
- GP-1 — GASPROBE LOCATION
- P-9 — PIEZOMETER WELL LOCATION
- SUPPLY WELL



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HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants
201 EAST PINE STREET - SUITE 1000 - ORLANDO, FL 32801
TELEPHONE (407) 839-3955 - FAX (407) 839-3790

WELL LOCATION MAP
ENTERPRISE ROAD RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA

FIGURE 1

Enterprise water qual file

7:50 AM
called Jenny for 3/16/06
— Need legible copy

ANGELO'S RECYCLED MATERIAL'S
41111 ENTERPRISE ROAD
DADE CITY, FL. 33525
PHONE:352-567-7676
FAX:352-567-9448 SCALEHOUSE

FACSIMILE TRANSMITTAL SHEET

TO: SUSAN PELZ, P.E.
FROM: MIGUEL GARCIA, P.G.
COMPANY: TETRA TECH HAI
DATE: 03/15/06
FAX NUMBER: 813-632-7654
TOTAL NO. OF PAGES INCLUDING COVER: 2
PHONE NUMBER: [redacted]
SENDER'S REFERENCE NUMBER:
RE: ENTERPRISE LF WQ SAMPLING
YOUR REFERENCE NUMBER: 352-567-7676

☐ URGENT ☐ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ PLEASE RECYCLE

NOTES/COMMENTS:

SUSAN,

INCLUDED IN THIS FAX TRANSMISSION IS A COPY OF THE CHAIN OF CUSTODY (COC) FOR THE BACKGROUND WATER QUALITY SAMPLES FROM MONITOR WELLS & MW-3B + MW-4B. THE COC SHOWS THE FULL APPENDIX I + II PARAMETERS FOR THESE WELLS.

LET US KNOW IF WE NEED TO PROVIDE ANYTHING ELSE.

MIGUEL GARCIA

QSARF # ____

ENVIRONMENTAL CONSERVATION LABORATORIES

4810 Executive Park Court, Suite 211
Jacksonville, Florida 32216-6069
Ph. (904) 296-3007 • Fax (904) 296-6210

10207 General Drive
Orlando, Florida 32824-8529
Ph. (407) 826-5314 • Fax (407) 850-6945

1015 Passport Way
Cary, North Carolina 27513
Ph. (919) 677-1669 • Fax (919) 677-9846

ENCO CompQAP No.: 960038G/0

CHAIN OF CUSTODY RECOR

PAGE 1 OF 1

PROJECT REFERENCE: [illegible]

PROJECT NO.:

P.O. NUMBER:

PROJECT LOC. (State): FL

SAMPLER(s) NAME: H. L. Clapp

PHONE: [illegible]

FAX: 407-[illegible]

CLIENT NAME: [illegible]

CLIENT PROJECT MANAGER:

CLIENT ADDRESS (CITY, STATE, ZIP): [illegible]

☒ STANDARD REPORT DELIVERY

☐ EXPEDITED REPORT DELIVERY (surcharge)

Date Due: ____

STATION	DATE	TIME	GRAB	COMP	SAMPLE IDENTIFICATION	SURFACE WATER	GROUND WATER	WASTEWATER	DRINKING WATER	SOIL/SOLID/SEDIMENT	NONAQUEOUS LIQUID (oil, solvent, etc.)	AIR	SLUDGE	OTHER	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	REMARKS
1 MW-3B	3/15/06	1540	X		MW-3B		X								3	2	1	1	1	1	3	1
2 MW-4B		1340	X		MW-4B		X								3	2	1	1	1	1	3	1
3 EQB		1010	X		EQB									X	3	2	1	1	1	1	3	1
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						
13																						
14																						

REQUIRED ANALYSIS: [illegible]

NUMBER OF CONTAINERS SUBMITTED

SAMPLE KIT PREPARED BY: ☐ JACKSONVILLE ☐ ORLANDO

	DATE	TIME		DATE	TIME		DATE	TIME
RELINQUISHED BY: (SIGNATURE)			RELINQUISHED BY: (SIGNATURE)			RECEIVED BY: (SIGNATURE)		
RECEIVED BY: (SIGNATURE)			RECEIVED BY: (SIGNATURE)			RELINQUISHED BY: (SIGNATURE)		
RECEIVED FOR LABORATORY BY: (SIGNATURE) ☐ Jacksonville ☐ Orlando			RELINQUISHED BY: (SIGNATURE)			RECEIVED BY: (SIGNATURE)		

CUSTODY INTACT ☐ YES ☐ NO

ENCO LOG NO.:

REMARKS: [illegible]

PAGE 02 ANGELOS 03/15/2006 16:52 35256794

QSARF # A600996

ENVIRONMENTAL CONSERVATION LABORATORIES

4810 Executive Park Court, Suite 211
Jacksonville, Florida 32216-6069
Ph. (904) 296-3007 • Fax (904) 296-6210

10207 General Drive
Orlando, Florida 32824-8529
Ph. (407) 826-5314 • Fax (407) 850-6945

1015 Passport Way
Cary, North Carolina 27513
Ph. (919) 677-1669 • Fax (919) 677-9846

ENCO CompQAP No.: 960038G/0

CHAIN OF CUSTODY RECORD

PROJECT REFERENCE: Enterprise Road Landfill
PROJECT NO.:
P.O. NUMBER:
PAGE 1 OF 1

PROJECT LOC (State): FL
SAMPLER(S) NAME: H. L. Clayton
PHONE: 407-839-3955
FAX: 407-839-2066

CLIENT NAME: TT/Hartman & Assoc
CLIENT PROJECT MANAGER:
CLIENT ADDRESS (CITY, STATE, ZIP): 2012 E. Pine St, Suite 1000, Orlando, FL 32801

☒ STANDARD REPORT DELIVERY
☐ EXPEDITED REPORT DELIVERY (surcharge)
Date Due:

MATRIX TYPE: SURFACE WATER, GROUND WATER, WASTEWATER, DRINKING WATER, SOIL/SOLID/SEDIMENT, NONAQUEOUS LIQUID (oil, solvent, etc.), AIR, SLUDGE, OTHER

REQUIRED ANALYSIS: VOLATILE ORGANICS (8260B App IX); EDB/DBCP (8011); Chloride, Nitrate, FDS; Sulfate; Ammonia; Cyanide; PCBs (8082); Pesticides (8081); Herbicides (8150 App IX); Metals *; SEMI-VOLATILE ORGANICS; ORGANOCHLORINE PESTICIDES

STATION	DATE	TIME	GRAB	COMP	SAMPLE IDENTIFICATION	SURFACE WATER	GROUND WATER	WASTEWATER	DRINKING WATER	SOIL/SOLID/SEDIMENT	NONAQUEOUS LIQUID	AIR	SLUDGE	OTHER	DI Water	8260B App IX	8011	Chloride, Nitrate, FDS	Sulfate	Ammonia	Cyanide	PCBs (8082)	Pesticides (8081) / 8270 App IX	Metals *	REMARKS
															HCl	—	—	Nitric Acid	Sulfuric Acid	NaOH	—	—	—	HNO3	
															NUMBER OF CONTAINERS SUBMITTED										
MW-3B	3/15/06	1543	X		MW-3B		X								3	2	1	1	1	1	3	1			
MW-4B		1340	X		MW-4B		X								3	2	1	1	1	1	3	1			
3 EQB		1010	X		EQB									X	3	2	1	1	1	1	3	1			
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									

SAMPLE KIT PREPARED BY:	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
☐ JACKSONVILLE ☒ ORLANDO LP	3/10/06	13:10	Lisa Ponte	3/10/06	13:10	[signature]	3/10/06	13:10
RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	3/14/06							
RECEIVED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	ENCO LOG NO.	REMARKS
☐ Jacksonville ☐ Orlando			☐ YES ☐ NO		* Ag, As, Ba, Be, Cd, Co, Cr, Cu, Fe, Hg, Ni, Mo, Pb, Sb, Se, Sn, Tl, V, Zn

GMR 252513

TETRA TECH HAI

Mark A. Rynning, P.E., M.B.A.
James E. Christopher, P.E.
Charles W. Drake, P.G.
William D. Musser, P.E., P.H.
Lawrence E. Jenkins, P.S.M.

Roderick K. Cashe, P.E.
Douglas P. Dufresne, P.G.
Jon D. Fox, P.E.
Daniel M. Nelson, P.E.

Andrew T. Woodcock, P.E., M.B.A.
John P. Toomey, P.E.
Jennifer L. Woodall, P.E.
Rafael A. Terrero, P.E., DEE
Jill M. Hudkins, P.E.
Valene C. Davis, P.G.
Charles M. Shultz, P.E.
Sean M. Parks, AICP, QEP
W. Bruce Lafrenz, P.G.
Alexis K. Stewart, P.E.
Christopher W. Hardin, P.E.
James R. Warner, P.E.

DEP
JAN 19 2006
SOUTHWEST DISTRICT

January 17, 2006

Via UPS Overnight
Ms. Susan Pelz, P.E.
Florida Department of Environmental Protection
Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Subject: **Quarterly Gas Monitoring Report**
Enterprise Recycling & Disposal Facility
FDEP Permit No. 177982-002-SO
Pasco County, Florida

Tt HAI #99.0331.027, File 12.0

Dear Ms. Pelz:

On behalf of Angelo's Aggregate Materials, Ltd. (Angelo's), Tetra Tech HAI (Tt HAI) is submitting the results of the quarterly gas monitoring event for the Enterprise Recycling and Disposal Facility in Dade City, Florida. The quarterly gas monitoring was completed in accordance with Specific Condition No. 20 of the above referenced operating permit.

Pre-purge measurements were recorded on the Gas Monitoring Survey Form, as required by the Department approved Operations Plan. In addition, Tt HAI's field technician measured readings of the ambient air conditions at each gas probe location and inside the scale house. Methane was not detected at any of the gas probes or in the ambient air, including the scale house during the monitoring event on January 14, 2006.

All gas probes were intact and locked upon inspection by the field technician, with the exception of probe GP-6, which has not yet been replaced. Tt HAI recommends replacement of the probe prior to the next gas monitoring event.

Weather conditions were partly cloudy, windy, and cool. Wind direction was from the northeast. A copy of the Gas Monitoring Survey Form and a location map are attached for your review.

Please call me if you have any questions.

Very truly yours,

Tetra Tech HAI

Jennifer L. Deal, P.E.
Project Manager

JLD/cr/99.0331.027/corresp/QrtrlyGasMonRpt.jld
Attachments
cc: Jeff Rogers, Angelo's

201 East Pine Street, Suite 1000, Orlando, FL 32801
Tel 407.839.3955 Fax 407.839.3790
www.tetratech.com

1130: On site. Checked in with Scale House. Began gas monitoring

1300: Completed gas monitoring (see below)

1310: Off site.

DEP
JAN 19 2006
SOUTHWEST DISTRICT

ENTERPRISE RECYCLING & DISPOSAL FACILITY
CLASS III LANDFILL
GAS MONITORING SURVEY FORM

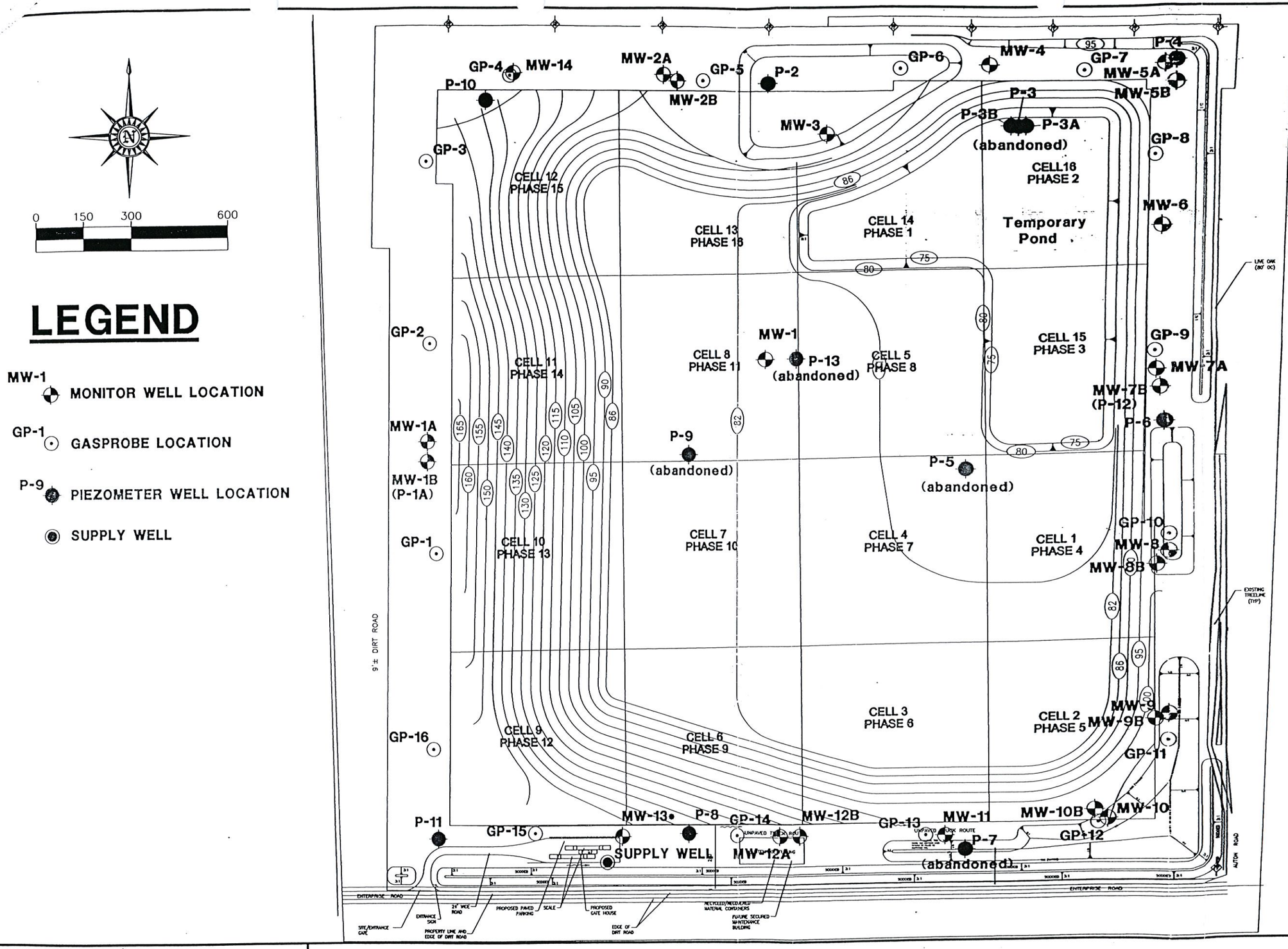
Date: 1/14/06
Instrument: QRAE
Sampler: Dale Clayton

GAS PROBE NO.	TIME OF READING	AMBIENT AIR TEMP °F	AMBIENT AIR OXYGEN CONTENT %	AMBIENT AIR METHANE % of LEL	METHANE LEVEL Pre-Purge Measurement			METHANE LEVEL Post-Purge Measurement		
					% O_2	% by Vol.	% of LEL	% O_2	% by Vol.	% of LEL
1	Not installed									
2	Not installed									
3	Not installed									
4	Not installed									
5	Not installed									
6	Destroyed									
7	1235	51°	20.4	0	20.2		0			
8	1230	50°	20.3	0	20.3		0			
9	1226	49°	20.2	0	20.1		0			
10	1258	52°	20.2	0	19.5		0			
11	1210	49°	20.3	0	20.2		0			
12	1205	50°	20.4	0	18.7		0			
13	1159	52°	20.6	0	19.6		0			
14	1150	53°	20.6	0	20.5		0			
15	Not installed									
16	Not installed									
Scale house	1130	80°	20.7	0	N/A	N/A	N/A	N/A	N/A	N/A

NR - Not required, no methane indicated in pre-purge measurement

Notes: (Wind direction, weather conditions, damage to gas probes, adjacent off-site activity observed, etc.)

1) Wind from northeast.
2) Weather is cool, partly cloudy, breezy, dry.
3) GP-6 was previously destroyed, all others OK.
4) No unusual off site activity.



FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
JAN 19 2006
SOUTHWEST DISTRICT
TAMPA

HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants
201 EAST PINE STREET - SUITE 1000 - ORLANDO, FL 32801
TELEPHONE (407) 839-3955 - FAX (407) 839-3790

WELL LOCATION MAP
ENTERPRISE ROAD RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA

FIGURE 1A

252513

GMR

TETRA TECH HAI

Mark A. Rynning, P.E., M.B.A.
James E. Christopher, P.E.
Charles W. Drake, P.G.
William D. Musser, P.E., P.H.
Lawrence E. Jenkins, P.S.M.

Roderick K. Cashe, P.E.
Douglas P. Dufresne, P.G.
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Rafael A. Terrero, P.E., DEE
Jill M. Hudkins, P.E.
Valerie C. Davis, P.G.
Charles M. Shultz, P.E.
Sean M. Parks, AICP, QEP
W. Bruce Lafrenz, P.G.
Alexis K. Stewart, P.E.
Christopher W. Hardin, P.E.
James R. Warner, P.E.

October 11, 2005

DEP
OCT 12 2005
SOUTHWEST DISTRICT

Via UPS Ground
Ms. Susan Pelz, P.E.
Florida Department of Environmental Protection
Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Subject: **Quarterly Gas Monitoring Report**
Enterprise Recycling & Disposal Facility
FDEP Permit No. 177982-002-SO
Pasco County, Florida

Tt HAI #99.0331.027, File 12.0

Dear Ms. Pelz:

On behalf of Angelo's Aggregate Materials, Ltd. (Angelo's), Tetra Tech HAI (Tt HAI) is submitting the results of the quarterly gas monitoring event for the Enterprise Recycling and Disposal Facility in Dade City, Florida. The quarterly gas monitoring was completed in accordance with Specific Condition No. 20 of the above referenced operating permit.

Pre-purge measurements were recorded on the Gas Monitoring Survey Form, as required by the Department approved Operations Plan. In addition, Tt HAI's field technician measured readings of the ambient air conditions at each gas probe location and inside the scale house. Methane was not detected at any of the gas probes or in the ambient air, including the scale house during the monitoring event on October 7, 2005.

All gas probes were intact and locked upon inspection by the field technician, with the exception of probe GP-6 which could not be located. Remains of the riser and fittings were found and it appeared that the probe was inadvertently destroyed by on-site heavy equipment operating in the vicinity of the probe. This gas probe will be replaced prior to the next gas monitoring event.

Weather conditions were mostly sunny and hot. A slight breeze was observed from the southeast. A copy of the Gas Monitoring Survey Form and a location map are attached for your review.

Please call me if you have any questions.

Very truly yours,

Tetra Tech HAI

Jennifer L. Deal, P.E.
Project Manager

JLD/cr/99.0331.027/corresp/PELZ.jld
Attachments
cc: Jeff Rogers, Angelo's

201 East Pine Street, Suite 1000, Orlando, FL 32801
Tel 407.839.3955 Fax 407.839.3790
www.tetratech.com

FIELD LOG

PROJ # 99.0331.027-1 NAME: Dale Clayton

PROJECT NAME: Enterprise Road Landfill DATE: 10/7/05

PROJECT LOCATION: Dade City, FL

TIME	COMMENTS
0930	On site. Checked in with Jeff at Scale House.
0935	Jeff is taking me to wells that need to be modified.
0950	Began modifying wells MW-8, MW-8S and gas probe GP-10.
1020	Extended wells/gas probe 10' above original top of casings. Maintenance men are filling in vaults around wells/gas probe with clay/sand to top of vaults. Making forms for cement pads.
1110	Completed filling vaults with clay/sand. Preparing to install new above ground protectors and cement pads.
1320	Completed installing above ground protectors and cement pads. Cut wells/gas probe leaving a 3' stickup. Installed 4" x 4" above ground protector on wells MW-8 and MW-8S and a 6" x 6" above ground protector on gas probe GP-10. Made 2' x 2' x 4" concrete pads on all. Used pvc couplings and threaded riser to extend wells/gas probe.
1330	Began measuring gas probes using a QRAE ~~[illegible]~~ Multi Gas Meter, see attached Gas Monitoring Survey Form.
1500	Can not find gas probe GP-6. Found remains of riser and fittings that used to be GP-6. Appears to have been destroyed by bulldozer. Informed Jeff.
1535	Completed gas probe monitoring. Checked out with Scale House.
1540	Off Site.
Note:	Landfill access roads are sloppy due to rain and need to be improved. I got my truck stuck twice, and had to walk to some of the gas probes to get access.

ENTERPRISE RECYCLING & DISPOSAL FACILITY
CLASS III LANDFILL
GAS MONITORING SURVEY FORM

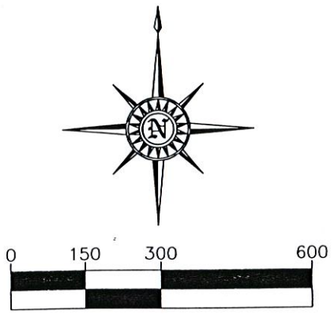
Date: 10/21/05
Instrument: QRAE Multi Gas Monitor
Sampler: Dale Claytor

GAS PROBE NO.	TIME OF READING	AMBIENT AIR TEMP °F	AMBIENT AIR OXYGEN CONTENT %	AMBIENT AIR METHANE % of LEL	METHANE LEVEL Pre-Purge Measurement			METHANE LEVEL Post-Purge Measurement		
					% O_2	% by Vol.	% of LEL	% O_2	% by Vol.	% of LEL
1	Not installed									
2	Not installed									
3	Not installed									
4	Not installed									
5	Not installed									
6	1500	Destroyed								
7	1427	90°	22.1	0	19.9	—	0	—	—	—
8	1421	87°	22.1	0	20.3	—	0	—	—	—
9	1410	87°	22.1	0	21.6	—	0	—	—	—
10	1510	86°	22.2	0	20.9	—	0	—	—	—
11	1443	88°	22.2	0	21.0	—	0	—	—	—
12	1349	89°	21.9	0	19.4	—	0	—	—	—
13	1355	86°	22.1	0	19.6	—	0	—	—	—
14	1402	87°	22.0	0	21.4	—	0	—	—	—
15	Not installed									
16	Not installed									
Scale house	1535	78°	22.3	0	N/A	N/A	N/A	N/A	N/A	N/A

NR - Not required, no methane indicated in pre-purge measurement

Notes: (Wind direction, weather conditions, damage to gas probes, adjacent off-site activity observed, etc.)

1. Slight breeze from southeast
2. Mostly sunny, hot
3. Gas probe GP-6 has been destroyed
4. No unusual off site activities observed



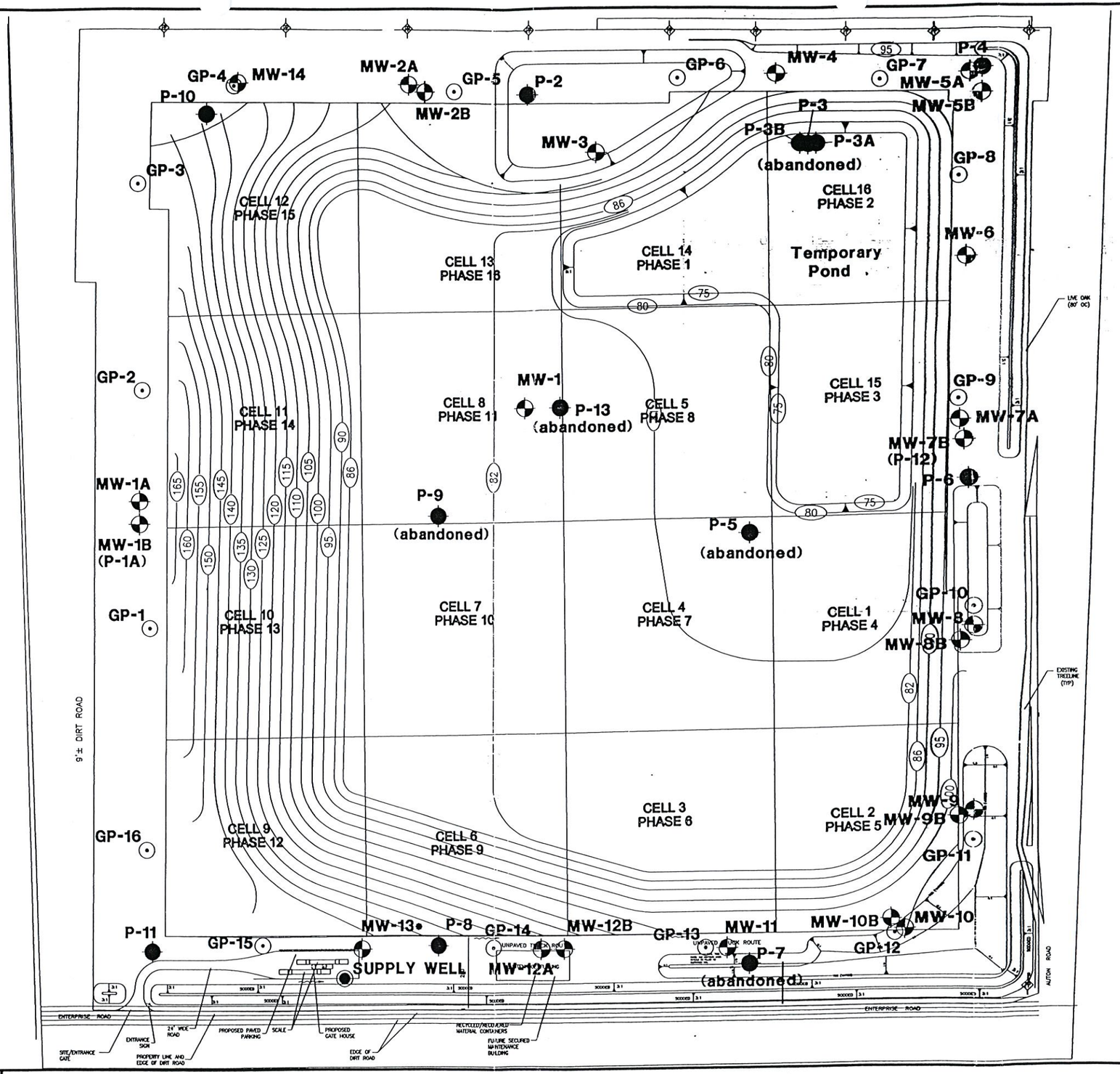
LEGEND

MW-1 — MONITOR WELL LOCATION

GP-1 — GASPROBE LOCATION

P-9 — PIEZOMETER WELL LOCATION

SUPPLY WELL



DEP
OCT 12 2005
SOUTHWEST DISTRICT

N:\CAD\DWG\1999\99.331.07\33107N01

HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants
201 EAST PINE STREET - SUITE 1000 - ORLANDO, FL 32801
TELEPHONE (407) 839-3955 - FAX (407) 839-3790

WELL LOCATION MAP
ENTERPRISE ROAD RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA

FIGURE 1A

2S2S13
JR 7/29/05

TETRA TECH HAI

Mark A. Rynning, PE., M.B.A.
James E. Christopher, PE.
Charles W. Drake, PG.
William D. Musser, PE., PH.
Lawrence E. Jenkins, PSM.

Roderick K. Cashe, PE.
Douglas P. Dufresne, PG.
Jon D. Fox, PE.
Daniel M. Nelson, PE.

Andrew T. Woodcock, PE., M.B.A.
John P. Toomey, PE.
Jennifer L. Woodall, PE.
Rafael A. Terrero, PE., DEE
Jill M. Hudkins, PE.
Valerie C. Davis, PG.
Charles M. Shultz, PE.
Sean M. Parks, AICP, QEP
W. Bruce Lafrenz, PG.
Alexis K. Stewart, PE.
Christopher W. Hardin, PE.
James R. Warner, PE.

July 14, 2005

Via UPS Overnight

Ms. Susan Pelz, P.E. 7/18/05
Florida Department of Environmental Protection
Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

RECEIVED
JUL 15 2005
Department of Environmental Protection
SOUTHWEST DISTRICT
BY

Subject: **Quarterly Gas Monitoring Report**
Enterprise Recycling & Disposal Facility
FDEP Permit No. 177982-002-SO
Pasco County, Florida

Tt HAI #99.0331.020
File 12.0

Dear Ms. Pelz:

On behalf of Angelo's Aggregate Materials, Ltd. (Angelo's), Tetra Tech HAI (Tt-HAI) is submitting the results of the quarterly gas monitoring event for the Enterprise Recycling and Disposal Facility in Dade City, Florida. The quarterly gas monitoring was completed in accordance with Specific Condition No. 20 of the above referenced operating permit.

Pre-purge measurements were recorded on the Gas Monitoring Survey Form, as required by the Department approved Operations Plan. In addition, Tt-HAI's field technician measured readings of the ambient air conditions at each gas probe location and inside the scale house. Methane was not detected at any of the gas probes, or in the ambient air, including the scale house during the monitoring event on July 13, 2005.

All gas probes were intact and locked upon inspection by the field technician. Weather conditions were mostly sunny and hot. No breeze was observed during the monitoring event. A copy of the Gas Monitoring Survey Form and a location map are attached for your review.

Please call me if you have any questions.

Very truly yours,

Tetra Tech HAI

Jennifer L. Deal, P.E.
Project Manager

JLD/cr/99.0331.020/corresp/Pelz3.jld
Attachments
cc: Jeff Rogers, Angelo's

201 East Pine Street, Suite 1000, Orlando, FL 32801
Tel 407.839.3955 Fax 407.839.3790
www.tetratech.com

ENTERPRISE RECYCLING & DISPOSAL FACILITY
CLASS III LANDFILL
GAS MONITORING SURVEY FORM

Date: 7/13/05
Instrument: QRAE + PGM 2000
Sampler: Dale Clayton

GAS PROBE NO.	TIME OF READING	AMBIENT AIR TEMP °F	AMBIENT AIR OXYGEN CONTENT %	AMBIENT AIR METHANE % of LEL	METHANE LEVEL Pre-Purge Measurement			METHANE LEVEL Post-Purge Measurement		
					% O_2	% by Vol.	% of LEL	% O_2	% by Vol.	% of LEL
1	Not installed									
2	Not installed									
3	Not installed									
4	Not installed									
5	Not installed									
6	1204	93°	20.9	0	16.8		0			
7	1212	96°	20.9	0	7.2		0			
8	1219	91°	20.3	0	13.3		0			
9	1225	94°	20.3	0	19.1		0			
10	1231	90°	20.5	0	12.1		0			
11	1241	90°	20.5	0	19.9		0			
12	1245	93°	20.4	0	17.4		0			
13	1147	92°	20.9	0	16.6		0			
14	1132	93°	20.9	0	18.7		0			
15	Not installed									
16	Not installed									
Scale house	1123	77°	20.9	0	N/A	N/A	N/A	N/A	N/A	N/A

NA

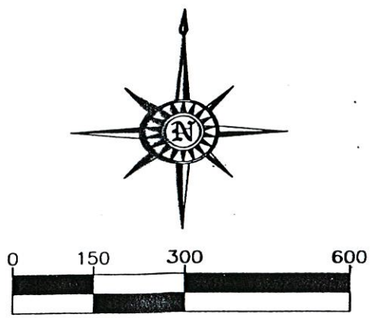
NR - Not required, no methane indicated in pre-purge measurement

Notes: (Wind direction, weather conditions, damage to gas probes, adjacent off-site activity observed, etc.)

1115: On site. Checked in with Scale House.

1150: No access road to GP's, will walk around.

1305: Completed GP monitoring. No unusual activity in or around site. Weather: Hot, mostly sunny, no breeze. All GP's are in good shape.



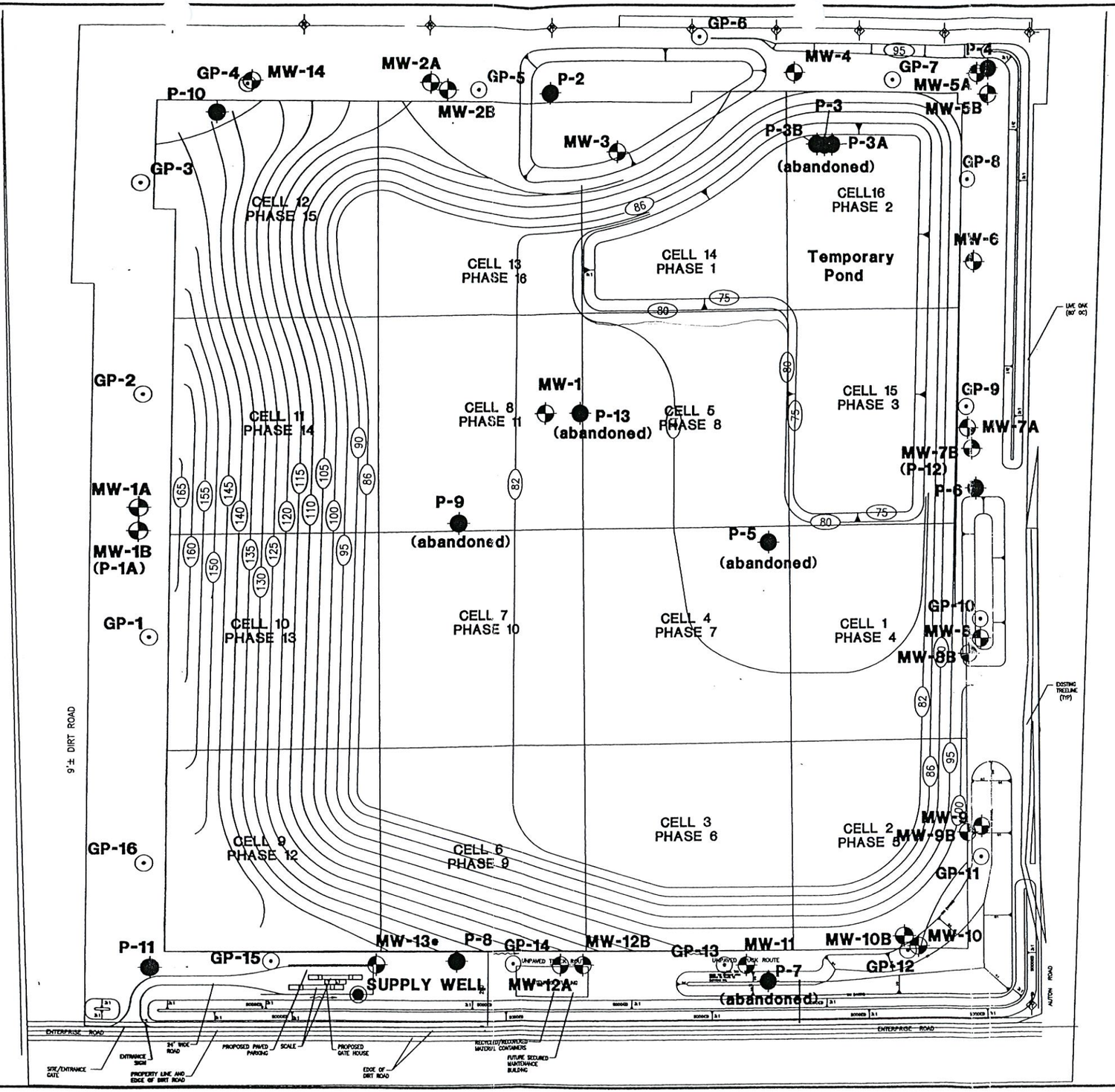
LEGEND

MW-1 MONITOR WELL LOCATION

GP-1 GASPROBE LOCATION

P-9 PIEZOMETER WELL LOCATION

SUPPLY WELL



R:\CAD\DWG\1999\99.0331.007\33107N01

HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants
201 EAST PINE STREET - SUITE 1000 - ORLANDO, FL 32801
TELEPHONE (407) 839-3955 - FAX (407) 839-3790

WELL LOCATION MAP
ENTERPRISE ROAD RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA

FIGURE 1A

TETRA TECH, INC.

HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants

OFFICERS:

Mark A. Rynning, P.E., M.B.A.
James E. Christopher, P.E.
Charles W. Drake, P.G.
William D. Musser, P.E., P.H.
Lawrence E. Jenkins, P.S.M.

SENIOR ASSOCIATES:

Marco H. Rocca, C.M.C.
Roderick K. Cashe, P.E.
Douglas P. Dufresne, P.G.
Jon D. Fox, P.E.
Daniel M. Nelson, P.E.

ASSOCIATES:

Les H. Porterfield, P.E.
Andrew T. Woodcock, P.E., M.B.A.
John P. Toomey, P.E.
Jennifer L. Woodall, P.E.
Rafael A. Terrero, P.E., DEE
Jill M. Hudkins, P.E.
Valerie C. Davis, P.G.
Charles M. Shultz, P.E.
Sean M. Parks, AICP, QEP
W. Bruce Lafrenz, P.G.
Alexis K. Stewart, P.E.
Christopher W. Hardin, P.E.
James R. Warner, P.E.

April 14, 2005

Tt-HAI #99.0331.024
File 12.0

Via UPS Overnight
Ms. Susan Pelz, P.E.
Florida Department of Environmental Protection
Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

RECEIVED
APR 15 2005
Department of Environmental Protection
BY SOUTHWEST DISTRICT

Subject: **Quarterly Gas Monitoring Report**
Enterprise Recycling & Disposal Facility
FDEP Permit No. 177982-002-SO
Pasco County, Florida

Dear Ms. Pelz:

On behalf of Angelo's Aggregate Materials, Ltd. (Angelo's), Tetra Tech HAI (Tt-HAI) is submitting the results of the quarterly gas monitoring event for the Enterprise Recycling and Disposal Facility in Dade City, Florida. The quarterly gas monitoring was completed in accordance with Specific Condition No. 20 of the above referenced operating permit.

Pre-purge measurements were recorded on the Gas Monitoring Survey Form, as required by the Department approved Operations Plan. In addition, Tt-HAI's field technician measured readings of the ambient air conditions at each gas probe location and inside the scale house. Methane was not detected at any of the gas probes or in the ambient air, including the scale house during the monitoring event on April 13, 2005.

All gas probes were intact and locked upon inspection by the field technician, with the exception of two newly installed probes which still needed protective covers. A strong breeze was observed from the west. Weather conditions were sunny and hot. A copy of the Gas Monitoring Survey Form and a location map are attached for your review.

Please call me if you have any questions.

Very truly yours,

Tetra Tech HAI

Jennifer L. Deal, P.E.
Project Manager

JLD/cr/99.0331.024/corresp/PELZ.jld
Attachments
cc: Dominic Iafrate, Angelo's
Jeff Rogers, Angelo's

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TELEPHONE (407) 839-3955 • FAX (407) 839-3790 • www.consulthai.com

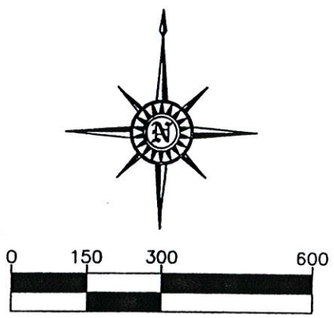
ENTERPRISE RECYCLING & DISPOSAL FACILITY
CLASS III LANDFILL
GAS MONITORING SURVEY FORM

Date: 4/13/05
Instrument: QRAE MultiGas Monitor
Sampler: Dale Clayton

GAS PROBE NO.	TIME OF READING	AMBIENT AIR TEMP °F	AMBIENT AIR OXYGEN CONTENT %	AMBIENT AIR METHANE % of LEL	METHANE LEVEL Pre-Purge Measurement			METHANE LEVEL Post-Purge Measurement		
					% O_2	% by Vol.	% of LEL	% O_2	% by Vol.	% of LEL
1	Not installed									
2	Not installed									
3	Not installed									
4	Not installed									
5	Not installed									
6	1139	79°	21.1	0	~~20.4~~ 20.1		0	—	—	—
7	1134	78°	20.9	0	17.5		0	—	—	—
8	1131	78°	20.9	0	20.9		0	—	—	—
9	1127	78°	20.9	0	20.4		0	—	—	—
10	1124	78°	20.9	0	20.2		0	—	—	—
11	1118	77°	20.9	0	21.1		0	—	—	—
12	1102	78°	20.9	0	20.1		0	—	—	—
13	1057	78°	20.9	0	18.3		0	—	—	—
14	1054	78°	20.9	0	19.3		0	—	—	—
15	Not installed									
16	Not installed									
Scale house	1045	77°	20.9	0	N/A	N/A	N/A	N/A	N/A	N/A

NR - Not required, no methane indicated in pre-purge measurement

Notes: (Wind direction, weather conditions, damage to gas probes, adjacent off-site activity observed, etc.)



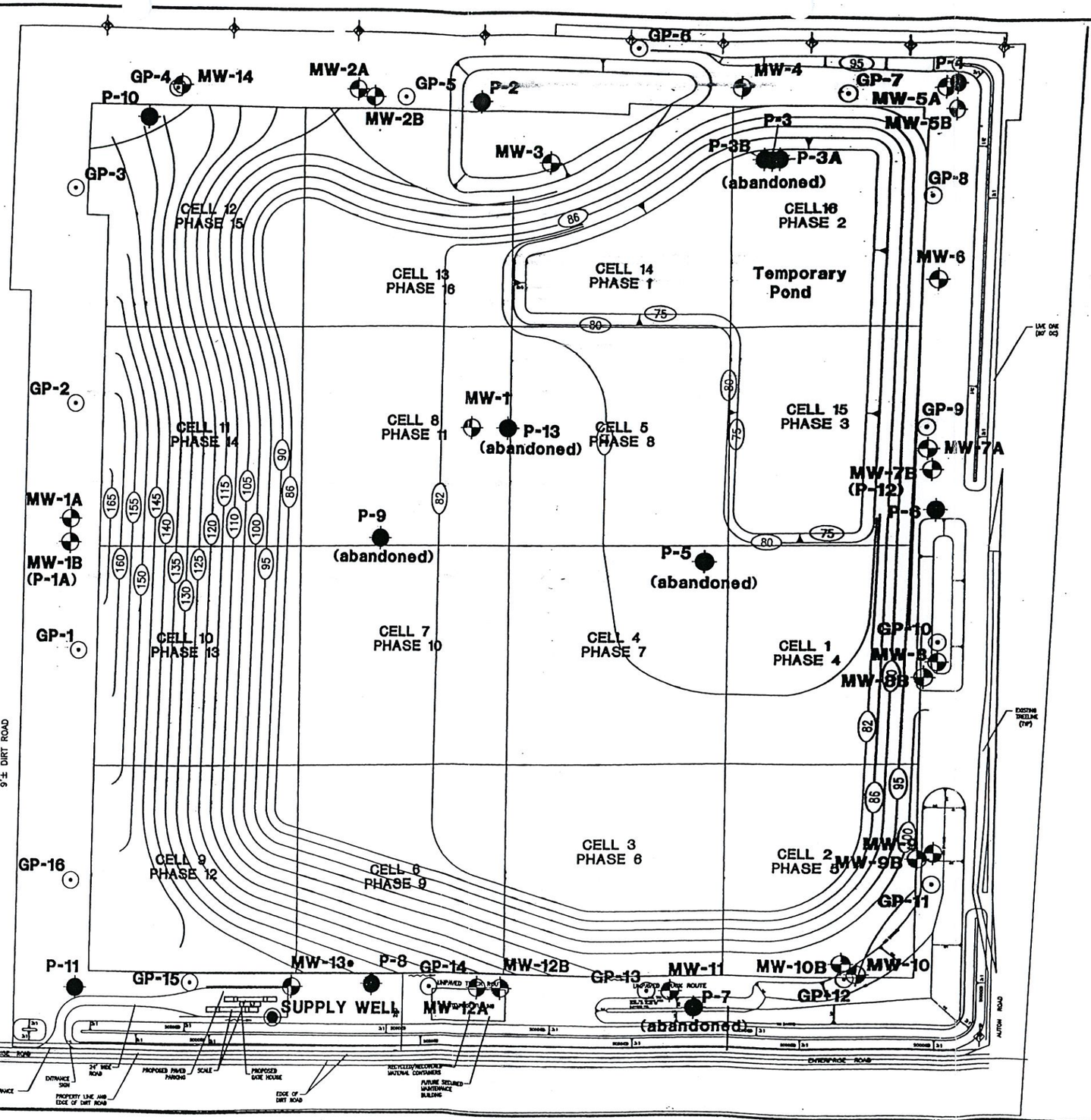
LEGEND

MW-1 MONITOR WELL LOCATION

GP-1 GASPROBE LOCATION

P-9 PIEZOMETER WELL LOCATION

SUPPLY WELL



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
OCT 08 2004
SOUTHWEST DISTRICT
TAMPA

R:\CAD\DWG\1999\99.0331.007\33107N01

HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants
201 EAST PINE STREET - SUITE 1000 - ORLANDO, FL 32801
TELEPHONE (407) 839-3955 - FAX (407) 839-3790

WELL LOCATION MAP
ENTERPRISE ROAD RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA

FIGURE 1A

OFFICERS:

Mark A. Rynning, P.E., M.B.A.
James E. Christopher, P.E.
Charles W. Drake, P.G.
William D. Musser, P.E., P.H.
Lawrence E. Jenkins, P.S.M.

SENIOR ASSOCIATES:

Marco H. Rocca, C.M.C.
Roderick K. Cashe, P.E.
Douglas P. Dufresne, P.G.
Jon D. Fox, P.E.
Daniel M. Nelson, P.E.

TETRA TECH, INC.

HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants

ASSOCIATES:

Les H. Porterfield, P.E.
Andrew T. Woodcock, P.E., M.B.A.
John P. Toomey, P.E.
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Valerie C. Davis, P.G.
Charles M. Shultz, P.E.
Sean M. Parks, AICP, QEP
W. Bruce Lafrenz, P.G.
Alexis K. Stewart, P.E.
Christopher W. Hardin, P.E.
James R. Warner, P.E.

January 20, 2005

HAI #99.0331.020
File 12.0

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
JAN 21 2005
SOUTHWEST DISTRICT
TAMPA

Via UPS Ground
Ms. Susan Pelz, P.E.
Florida Department of Environmental Protection
Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Subject: **Quarterly Gas Monitoring Report – Retest Results**
Enterprise Recycling & Disposal Facility
FDEP Permit No. 177982-002-SO
Pasco County, Florida

Dear Ms. Pelz:

On behalf of Angelo's Aggregate Materials, Ltd. (Angelo's), Hartman & Associates, Inc. (HAI) is submitting the retest results of the fourth quarterly gas monitoring event for the Enterprise Recycling and Disposal Facility in Dade City, Florida. The quarterly gas monitoring was completed in accordance with Specific Condition No. 20 of the above referenced operating permit.

Pre-purge measurements were recorded on the Gas Monitoring Survey Form, as required by the Department approved Operations Plan. In addition, HAI's field technician measured readings of the ambient air conditions at each gas probe location and inside the scale house. Methane was not detected at any of the gas probes or in the ambient air, including the scale house during the retest monitoring event on January 19, 2005.

All gas probes were intact and locked upon inspection by the field technician. Wind was generally calm, and not detected from any direction. Weather conditions were clear, sunny and cold. A copy of the Gas Monitoring Survey Form with field notes and a location map are attached for your review.

Please call me if you have any questions.

Very truly yours,

Hartman & Associates, Inc.

Jennifer L. Deal, P.E.
Project Manager

JLD/cr/99.0331.020/corresp/Pelz2.jld
Attachments
cc: Dominic Iafrate, Angelo's
Jeff Rogers, Angelo's

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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
JAN 21 2005
SOUTHWEST DISTRICT
TAMPA

ENTERPRISE RECYCLING & DISPOSAL FACILITY
CLASS III LANDFILL
GAS MONITORING SURVEY FORM

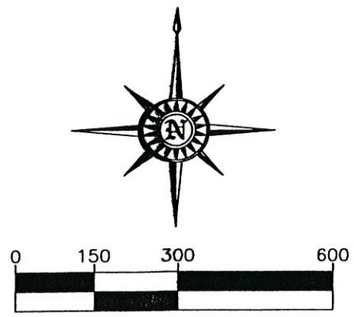
Date: 1/19/05
Instrument: QRAE Plus PGM 2000
Sampler: Dale Clayton

GAS PROBE NO.	TIME OF READING	AMBIENT AIR TEMP °F	AMBIENT AIR OXYGEN CONTENT %	AMBIENT AIR METHANE % of LEL	METHANE LEVEL Pre-Purge Measurement			METHANE LEVEL Post-Purge Measurement		
					% O_2	% by Vol.	% of LEL	% O_2	% by Vol.	% of LEL
1	Not installed									
2	Not installed									
3	Not installed									
4	Not installed									
5	Not installed									
6	Not installed									
7	Not installed									
8	Not installed									
9	0812	41°	20.9	0	20.9		0	—	—	—
10	0825	39°	21.4	0	20.9		0	—	—	—
11	0830	39°	21.2	0	21.2		0	—	—	—
12	0834	39°	20.9	0	20.9		0	—	—	—
13	0838	41°	20.9	0	19.6		0	—	—	—
14	0841	43°	20.9	0	20.9		0	—	—	—
15	Not installed									
16	Not installed									
Scale house	0800	77°	20.9	0	N/A	N/A	N/A	N/A	N/A	N/A

NR - Not required, no methane indicated in pre-purge measurement

Notes: (Wind direction, weather conditions, damage to gas probes, adjacent off-site activity observed, etc.)

- Wind is calm.
- Clear sky, sunny, cold.
- No damage to probes.
- No unusual off site activity noted.



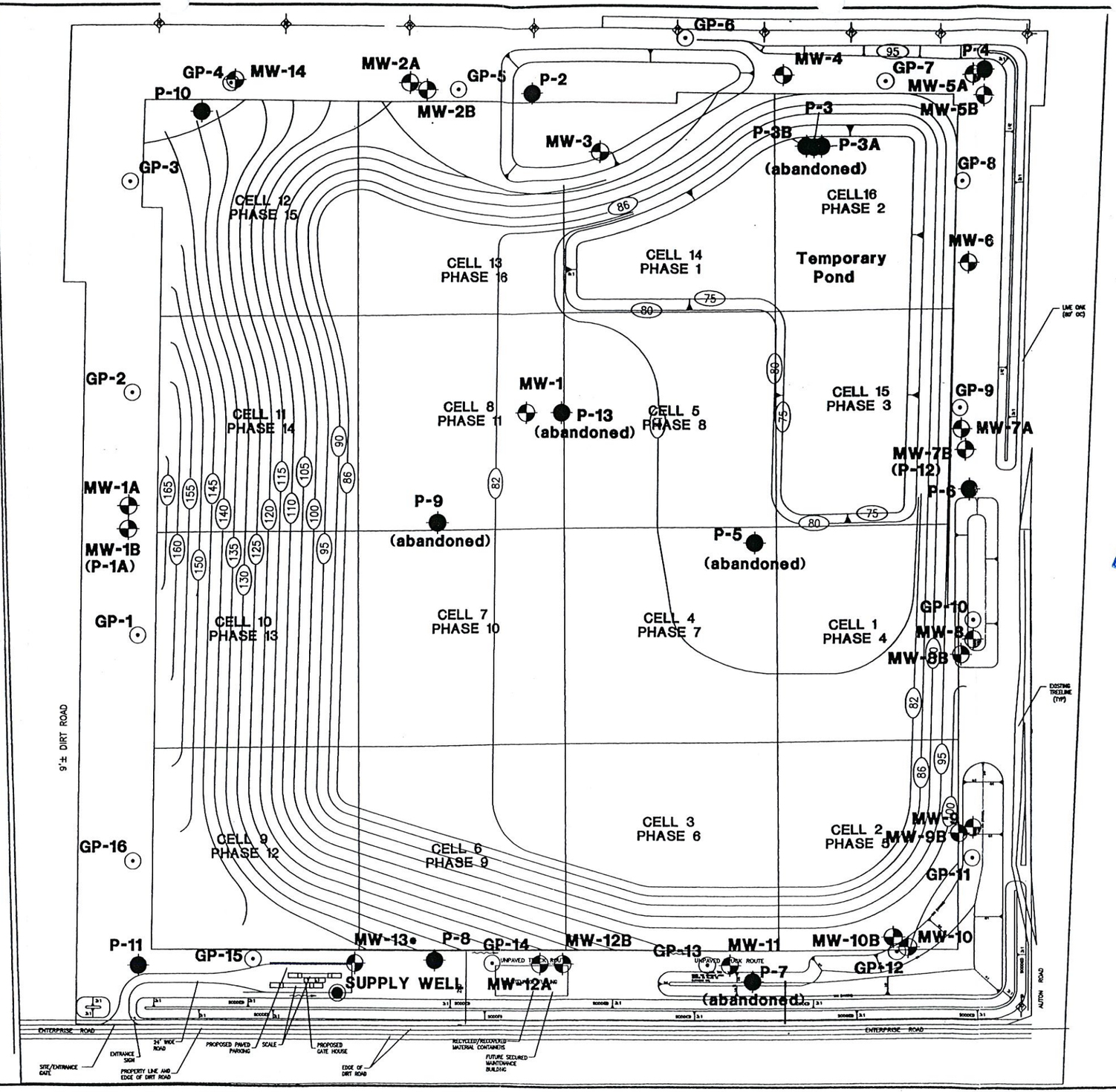
LEGEND

MW-1 — MONITOR WELL LOCATION

GP-1 — GASPROBE LOCATION

P-9 — PIEZOMETER WELL LOCATION

SUPPLY WELL



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
JAN 21 2005
SOUTHWEST DISTRICT
TAMPA

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HARTMAN & ASSOCIATES, INC.
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WELL LOCATION MAP
ENTERPRISE ROAD RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA

FIGURE 1A

TETRA TECH, INC.

HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants

OFFICERS:

Mark A. Rynning, P.E., M.B.A.
James E. Christopher, P.E.
Charles W. Drake, P.G.
William D. Musser, P.E., P.H.
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Jill M. Hudkins, P.E.
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Sean M. Parks, AICP, QEP
W. Bruce Lafrenz, P.G.
Alexis K. Stewart, P.E.
Christopher W. Hardin, P.E.
James R. Warner, P.E.

January 14, 2005

HAI #99.0331.020
File 12.0

Via UPS Overnight

D.E.P.
JAN 1 8 2005
Southwest District Tampa

Ms. Susan Pelz, P.E.
Florida Department of Environmental Protection
Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Subject: Quarterly Gas Monitoring Report
Enterprise Recycling & Disposal Facility
FDEP Permit No. 177982-002-SO
Pasco County, Florida

Dear Ms. Pelz:

On behalf of Angelo's Aggregate Materials, Ltd. (Angelo's), Hartman & Associates, Inc. (HAI) is submitting the results of the fourth quarterly gas monitoring event for the Enterprise Recycling and Disposal Facility in Dade City, Florida. The quarterly gas monitoring was completed in accordance with Specific Condition No. 20 of the above referenced operating permit.

Pre-purge measurements were recorded on the Gas Monitoring Survey Form, as required by the Department approved Operations Plan. In addition, HAI's field technician measured readings of the ambient air conditions at each gas probe location and inside the scale house.

Methane was detected in low levels at all tested gas probes and in the ambient air, including the scale house during the monitoring event on January 10, 2005. Post purge measurements were also recorded due to the detections, and the results were the same as the pre-purge measurements. At this point, the field technician tested the gas meter at the facility entrance. The background methane level was approximately three percent of the LEL for methane.

Since methane has not been previously detected at this facility, HAI's technician contacted the equipment rental company. HAI confirmed that the gas meter had not been properly calibrated prior to issuance of the equipment, contrary to normal procedures.

It is highly probable that the methane detections are likely due to the condition of the rental equipment used during the gas monitoring event. Therefore, HAI's field technician will retest the gas probes and ambient air conditions at the facility on Wednesday, January 19, 2005, with a properly calibrated gas meter. HAI will send the results to the Department by Friday, January

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21, 2005. For all future gas sampling events performed by HAI, the technician will confirm proper equipment calibration with the equipment rental company prior to use.

All gas probes were intact and locked upon inspection by the field technician. Wind was generally calm and not detected from any direction. Weather conditions were mostly sunny and warm. A copy of the Gas Monitoring Survey Form, field notes, and a location map, are attached for your review.

Please call me if you have any questions.

Very truly yours,

Hartman & Associates, Inc.

Jennifer L. Deal, P.E.
Project Manager

JLD/cr/99.0331.020/corresp/Pelz.jld
Attachments
cc: Dominic Iafrate, Angelo's
Jeff Rogers, Angelo's

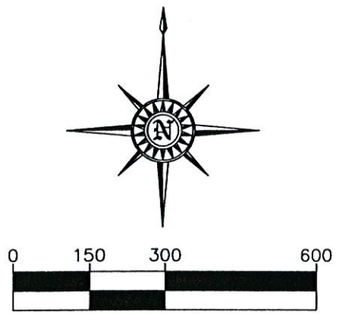
ENTERPRISE RECYCLING & DISPOSAL FACILITY
CLASS III LANDFILL
GAS MONITORING SURVEY FORM

Date: 1/10/05
Instrument: Shaw Plus PGM2000
Sampler: Dale Claytor

GAS PROBE NO.	TIME OF READING	AMBIENT AIR TEMP °F	AMBIENT AIR OXYGEN CONTENT %	AMBIENT AIR METHANE % of LEL	METHANE LEVEL Pre-Purge Measurement			METHANE LEVEL Post-Purge Measurement		
					% O_2	% by Vol.	% of LEL	% O_2	% by Vol.	% of LEL
1	Not installed									
2	Not installed									
3	Not installed									
4	Not installed									
5	Not installed									
6	Not installed									
7	Not installed									
8	Not installed									
9	1311	80°	20.6	2	20.2		3	Same		Same
10	1306	80°	20.9	2	20.0		4	Same		Same
11	1258	79°	20.7	3	20.4		3	Same		Same
12	1252	79°	20.9	3	20.1		4	Same		Same
13	1246	78°	20.9	3	19.0		4	Same		Same
14	1230	77°	20.9	3	20.3		4	Same		Same
15	Not installed									
16	Not installed									
Scale house	1325	78°	20.9	2	N/A	N/A	N/A	N/A	N/A	N/A

NR - Not required, no methane indicated in pre-purge measurement

Notes: (Wind direction, weather conditions, damage to gas probes, adjacent off-site activity observed, etc.)



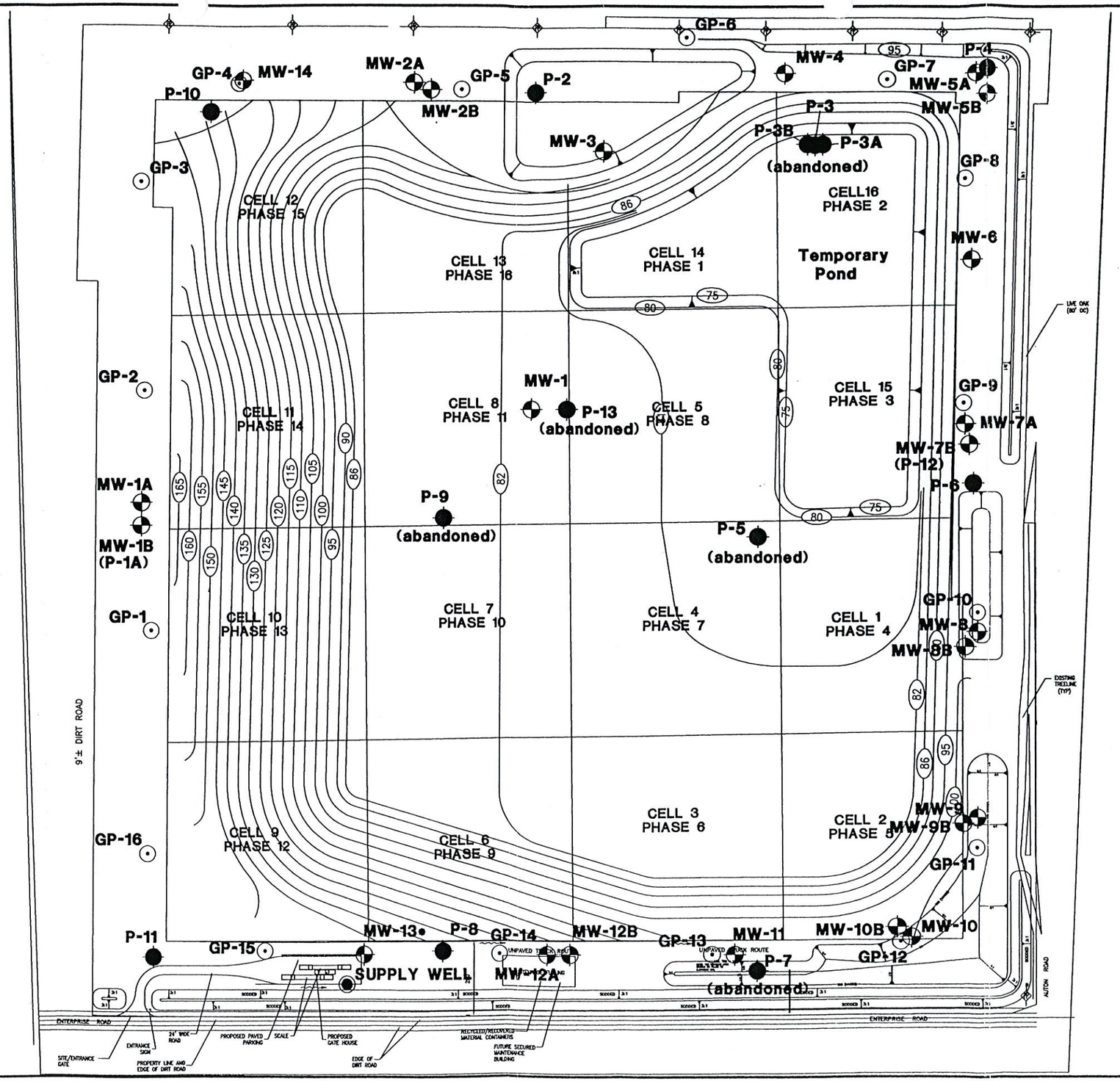
LEGEND

MW-1 — MONITOR WELL LOCATION

GP-1 — GASPROBE LOCATION

P-9 — PIEZOMETER WELL LOCATION

SUPPLY WELL



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WELL LOCATION MAP
ENTERPRISE ROAD RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA

FIGURE 1A

252513
GMR

TETRA TECH / HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants

EXECUTIVE TEAM:

Gerald C. Hartman, P.E., DEE
Harold E. Schmidt, Jr., P.E., DEE
James E. Christopher, P.E.
Charles W. Drake, P.G.
Mark A. Rynning, P.E., M.B.A.
William D. Musser, P.E., P.H.
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Troy E. Layton, P.E., DEE
Daniel M. Nelson, P.E.

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Charles M. Shultz, P.E.
Sean M. Parks, AICP, QEP
C. Michelle Gaylord
Tara L. Hollis, C.P.A., M.B.A.
W. Bruce Lafrenz, P.G.
Alexis K. Stewart, P.E.
Christopher W. Hardin, P.E.
James R. Warner, E.I.

October 14, 2004

HAI #99.0331.019
File 12.0

Via Facsimile and UPS Ground
Ms. Susan Pelz, P.E.
Florida Department of Environmental Protection
Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

DEP
OCT 15 2004
Southwest District Tampa

Subject: **Quarterly Gas Monitoring Report**
Enterprise Recycling & Disposal Facility
FDEP Permit No. 177982-002-SO
Pasco County, Florida

Dear Ms. Pelz:

On behalf of Angelo's Aggregate Materials, Ltd. (Angelo's), Hartman & Associates, Inc. (HAI) is submitting the results of the third quarterly gas monitoring event for the Enterprise Recycling and Disposal Facility in Dade City, Florida. The quarterly gas monitoring was completed in accordance with Specific Condition No. 20 of the above referenced operating permit. Methane was not detected at any of the gas probes or in the scale house during the monitoring event on October 12, 2004. Wind was generally calm, and not detected from any direction. Weather conditions were partly cloudy and warm.

Pre-purge measurements were recorded on the Gas Monitoring Survey Form, as required by the Department approved Operations Plan. In addition, HAI's field technician measured readings of the ambient air conditions at each gas probe location and inside the scale house. A copy of the Gas Monitoring Survey Form, field notes, and a location map, are attached for your review. Please note, the ambient temperature stated for each of the gas probe locations was recorded in degrees Celsius, and the temperature for the scale house was recorded in degrees Fahrenheit.

We trust this submittal satisfies the Department's gas monitoring and reporting requirements. Please call us if you have any questions.

Very truly yours,

Hartman & Associates, Inc.

Jennifer L. Deal, P.E.
Project Manager

JLD/cr/99.0331.019/corresp/Pelz.jld
Attachments
cc: Dominic Iafrate, Angelo's
Jeff Rogers, Angelo's

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TELEPHONE (407) 839-3955 • FAX (407) 839-3790 • www.consulthai.com
A TETRA TECH COMPANY (Offices throughout Florida and Nationwide)

ENTERPRISE RECYCLING & DISPOSAL FACILITY
CLASS III LANDFILL
GAS MONITORING SURVEY FORM

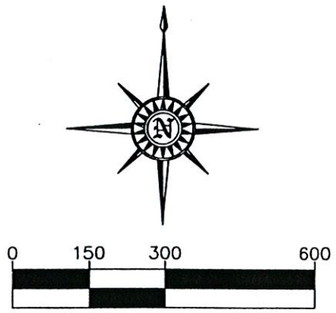
Date: 10/12/04
Instrument: Q-RAE
Sampler: HLC

GAS PROBE NO.	TIME OF READING	AMBIENT AIR TEMP ~~°F~~ °C	AMBIENT AIR OXYGEN CONTENT %	AMBIENT AIR METHANE % of LEL	METHANE LEVEL Pre-Purge Measurement			METHANE LEVEL Post-Purge Measurement		
					% O_2	% by Vol.	% of LEL	% O_2	% by Vol.	% of LEL
1	Not installed		~~20.9~~	~~0~~	~~20.7~~		~~0~~	—	—	—
2	Not installed									
3	Not installed									
4	Not installed									
5	Not installed									
6	Not installed									
7	Not installed									
8	Not installed									
9	1016	27°	20.9	0	20.2		0	NR	NR	NR
10	1013	27°	20.9	0	19.9		0	NR	NR	NR
11	1008	27°	20.9	0	20.9		0	NR	NR	NR
12	1001	27°	20.9	0	19.9		0	NR	NR	NR
13	0954	27°	20.9	0	15.7		0	NR	NR	NR
14	0941	27°	20.9	0	20.1		0	NR	NR	NR
15	Not installed									
16	Not installed									
Scale house	0918	80°	20.9	0	N/A	N/A	N/A	N/A	N/A	N/A

NR - Not required, no methane indicated in pre-purge measurement

Notes: (Wind direction, weather conditions, damage to gas probes, adjacent off-site activity observed, etc.)

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
OCT 15 2004
SOUTHWEST DISTRICT TAMPA



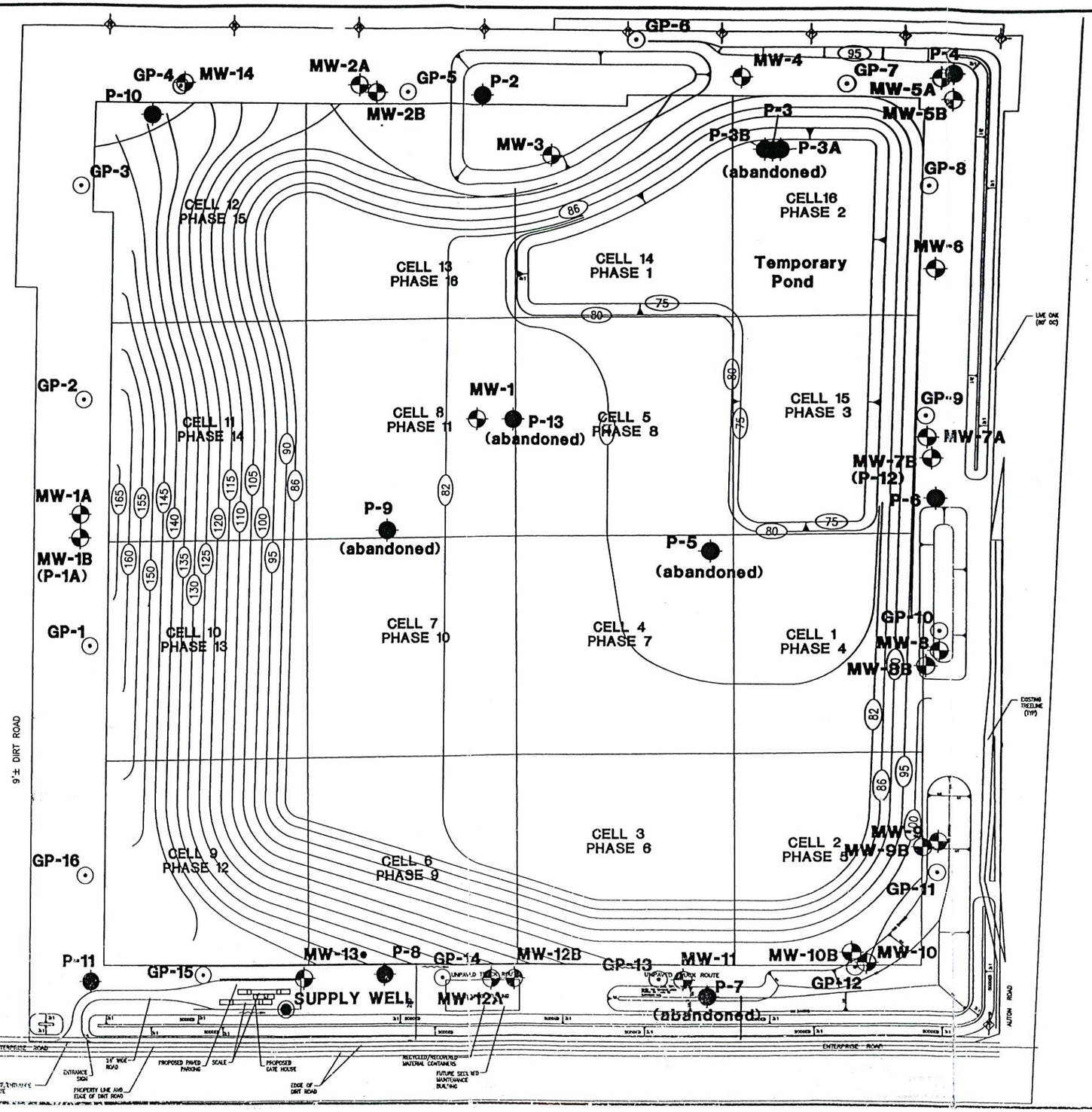
LEGEND

MW-1 — MONITOR WELL LOCATION

GP-1 — GASPROBE LOCATION

P-9 — PIEZOMETER WELL LOCATION

SUPPLY WELL



FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
OCT 15 2004
SOUTHWEST DISTRICT
TAMPA

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engineers, hydrogeologists, surveyors & management consultants
261 EAST PINE STREET - SUITE 1000 - ORLANDO, FL 32801
TELEPHONE (407) 839-3955 - FAX (407) 839-3790

WELL LOCATION MAP
ENTERPRISE ROAD RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA

FIGURE 1A

252513
JR 10/6/04

HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants
A Tetra Tech Company

OFFICERS:

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W. Bruce Lafrenz, P.G.
Alexis K. Stewart, P.E.
Ada R. Terrero
Christopher W. Hardin, P.E.
James R. Warner, E.I.

July 14, 2004

HAI #99.0331.018
File 12.0

D.E.P.
JUL 15 2004
Southwest District Tampa

Via UPS Overnight
Ms. Susan Pelz, P.E.
Florida Department of Environmental Protection
Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

Subject: Quarterly Gas Monitoring Report
Enterprise Recycling & Disposal Facility
FDEP Permit No. 177982-002-SO
Pasco County, Florida

Dear Ms. Pelz:

On behalf of Angelo's Aggregate Materials, Ltd. (Angelo's), Hartman & Associates, Inc. (HAI) is submitting the results of the second quarterly gas monitoring event for the Enterprise Recycling and Disposal Facility in Dade City, Florida. The quarterly gas monitoring was completed in accordance with Specific Condition No. 20 of the above referenced operating permit. Methane was not detected at any of the gas probes or in the scale house during the monitoring event on July 13, 2004. Wind direction was generally towards the east. Weather conditions were mostly cloudy and hot.

Pre-purge measurements were recorded on the Gas Monitoring Survey Form, as required by the Department approved Operations Plan. In addition, HAI's field technician measured readings of the ambient air conditions at each gas probe location and inside the scale house. A copy of the Gas Monitoring Survey Form, field notes, and a gas probe location map, are attached for your review.

We trust this submittal satisfies the Department's gas monitoring and reporting requirements. Please call us if you have any questions.

Very truly yours,

Hartman & Associates, Inc.

Jennifer L. Deal, P.E.
Project Manager

JLD/cr/99.0331.018/corresp/Pelz.jld
Attachments
cc: Dominic Iafrate, Angelo's
Jeff Rogers, Angelo's

201 EAST PINE STREET • SUITE 1000 • ORLANDO, FL 32801-2723
TELEPHONE (407) 839-3955 • FAX (407) 839-3790 • www.consulthai.com
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D.E.P.
JUL 15 2004
Southwest District Tampa

ENTERPRISE RECYCLING & DISPOSAL FACILITY
CLASS III LANDFILL
GAS MONITORING SURVEY FORM

Date: 7/13/04
Instrument: Q-RAE+ PGM 2000
Sampler: Dale Claytor

GAS PROBE NO.	TIME OF READING	AMBIENT AIR TEMP °F	AMBIENT AIR OXYGEN CONTENT %	AMBIENT AIR METHANE % of LEL	METHANE LEVEL Pre-Purge Measurement			METHANE LEVEL Post-Purge Measurement		
					% O_2	% by Vol.	% of LEL	% O_2	% by Vol.	% of LEL
1	Not installed									
2	Not installed									
3	Not installed									
4	Not installed									
5	Not installed									
6	Not installed									
7	Not installed									
8	Not installed									
9	1145	100°	20.9	0	19.7	0	0	NR	NR	NR
10	1201	97°	20.9	0	19.9	0	0	NR	NR	NR
11	1207	97°	20.9	0	20.9	0	0	NR	NR	NR
12	1213	100°	20.9	0	19.6	0	0	NR	NR	NR
13	1218	100°	20.9	0	14.0	0	0	NR	NR	NR
14	1231	95°	20.9	0	20.1	0	0	NR	NR	NR
15	Not installed									
16	Not installed									
Scale house	1244	80°	20.9	0	N/A	N/A	N/A	N/A	N/A	N/A

NR - Not required, no methane indicated in pre-purge measurement

Notes: (Wind direction, weather conditions, damage to gas probes, adjacent off-site activity observed, etc.)

1) Wind direction, from the West, breezy
2) Mostly cloudy and hot
3) No damage to gas probes noted
4) No unusual off site activity

HARTMAN & ASSOCIATES

FIELD LOG

HAI # 99.0331.018

NAME: HCC

PROJECT NAME: Enterprise Recycling + Disposal Facility

DATE: 7/13/04

PROJECT LOCATION: Dade City, FL

1045 On site

Gas Probes

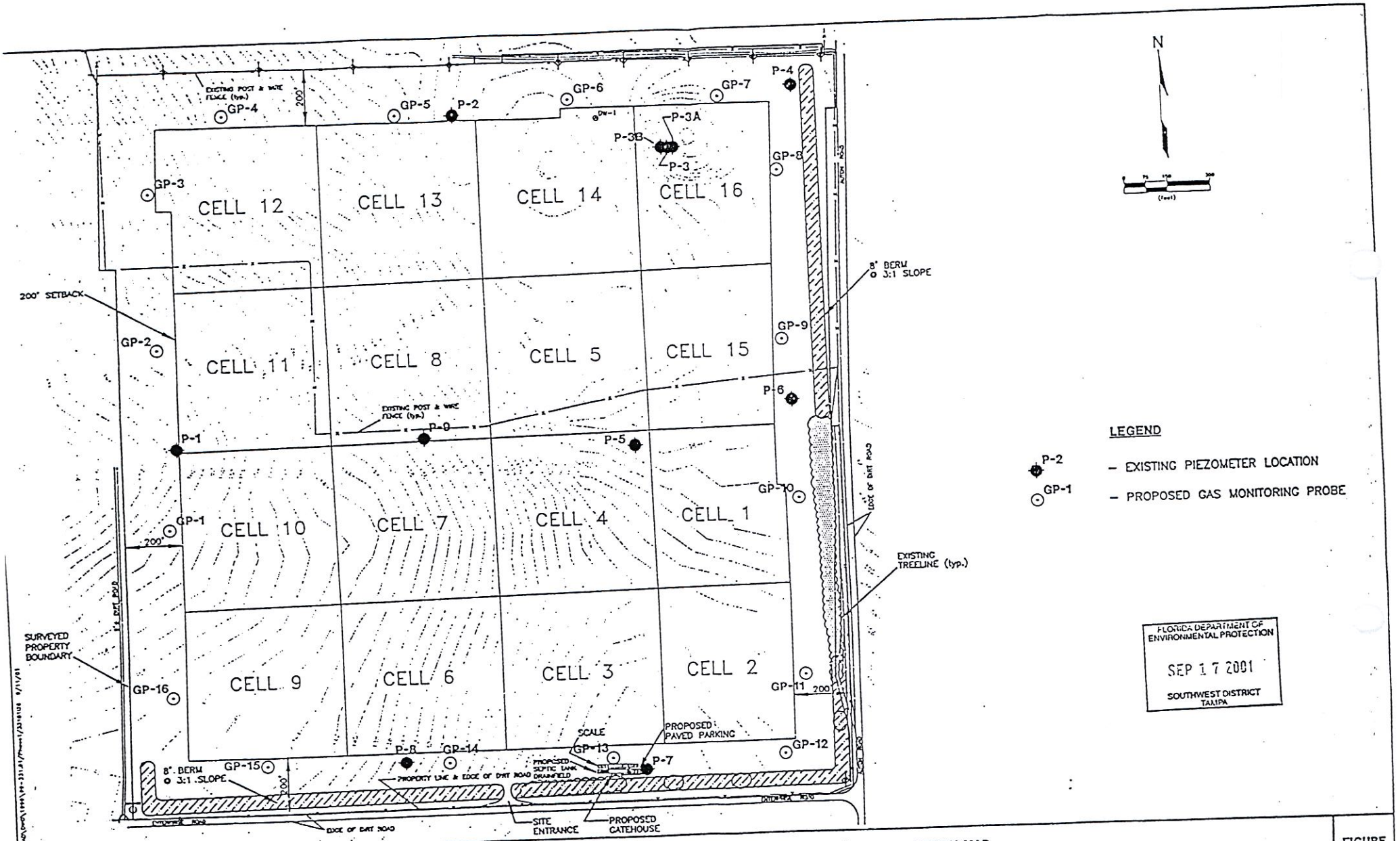
TIME	COMMENTS				
1147	Gas Probe No.	Air Temp °F	Methane (Pre)	Methane (Post)	Oxy
1147	GP-9	100°	0	—	19.7
1203	GP-10	97°	0	—	19.9
1209	GP-11	97°	0	—	20.9
1214	GP-12	97°	0	—	19.6
1220	GP-13	100°	0	—	14.[illegible]
1235	GP-14	95°	0	—	20.1

Ambient Air

	Location	Air Temp (°F)	Methane	Oxy
1145	GP-9	100°	0	20.9
1201	GP-10	97°	0	20.9
1207	GP-11	97°	0	20.9
1213	GP-12	100°	0	20.9
1218	GP-13	100°	0	20.9
1231	GP-14	95°	0	20.9
1244	Scale House	80°	0	20.9

- Mostly cloudy, breezy from the West.
- Activity in cells 1, 2 and 1b.
- Cell one is nearly full.

1245 Off site.



HARTMAN & ASSOCIATES, INC.
engineers, hydrogeologists, surveyors & management consultants
201 EAST PINE STREET – SUITE 1000 – ORLANDO, FL 32801
TELEPHONE (407) 839-3855 – FAX (407) 839-3793

PROPOSED GAS MONITORING PROBE LOCATION MAP
PROPOSED ENTERPRISE RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA

FIGURE 3-13

252513
EME 5/14/04

HARTMAN & ASSOCIATES, INC.

engineers, hydrogeologists, surveyors & management consultants
A Tetra Tech Company

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Christopher W. Hardin, P.E.
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April 14, 2004

HAI #99.0331.014
File 12.0

Via Facsimile and UPS Overnight

Ms. Susan Pelz, P.E. 4/29/04
Florida Department of Environmental Protection
Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

D.E.P.
APR 15 2004
Southwest District Tampa

Subject: **Quarterly Gas Monitoring Report**
Enterprise Recycling & Disposal Facility
Angelo's Aggregate Materials, Ltd.
FDEP Permit Nos. 177982-001-SC, 177982-002-SO
Pasco County, Florida

Dear Ms. Pelz:

On behalf of Angelo's Aggregate Materials, Ltd. (Angelo's), Hartman & Associates, Inc. (HAI) is submitting the results of the first quarterly gas monitoring event for the Enterprise Recycling and Disposal Facility in Dade City, Florida. The quarterly gas monitoring was completed in accordance with Specific Condition No. 20 of the above referenced operating permit. Methane was not detected at any of the gas probes during the monitoring event on April 14, 2004. Wind direction was generally towards the east.

Pre-purge measurements were recorded on the Gas Monitoring Survey Form, as required by the Department approved Operations Plan. In addition, HAI's field technician measured readings of the ambient air conditions at each gas probe location and inside the scale house. A copy of the field notes, and a gas probe location map, are attached for your review.

In order to accommodate the additional information provided, HAI has revised the survey form. A completed, revised form is also attached for your review.

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We trust this submittal satisfies the Department's gas monitoring and reporting requirements. Please call us if you have any questions.

Very truly yours,

Hartman & Associates, Inc.

Jennifer L. Deal, P.E.
Project Manager

JLD/jev/99.0331.014/corresp/Pelz

Attachments

cc: Dominic Iafrate, Angelo's
Craig Bryan, Angelo's

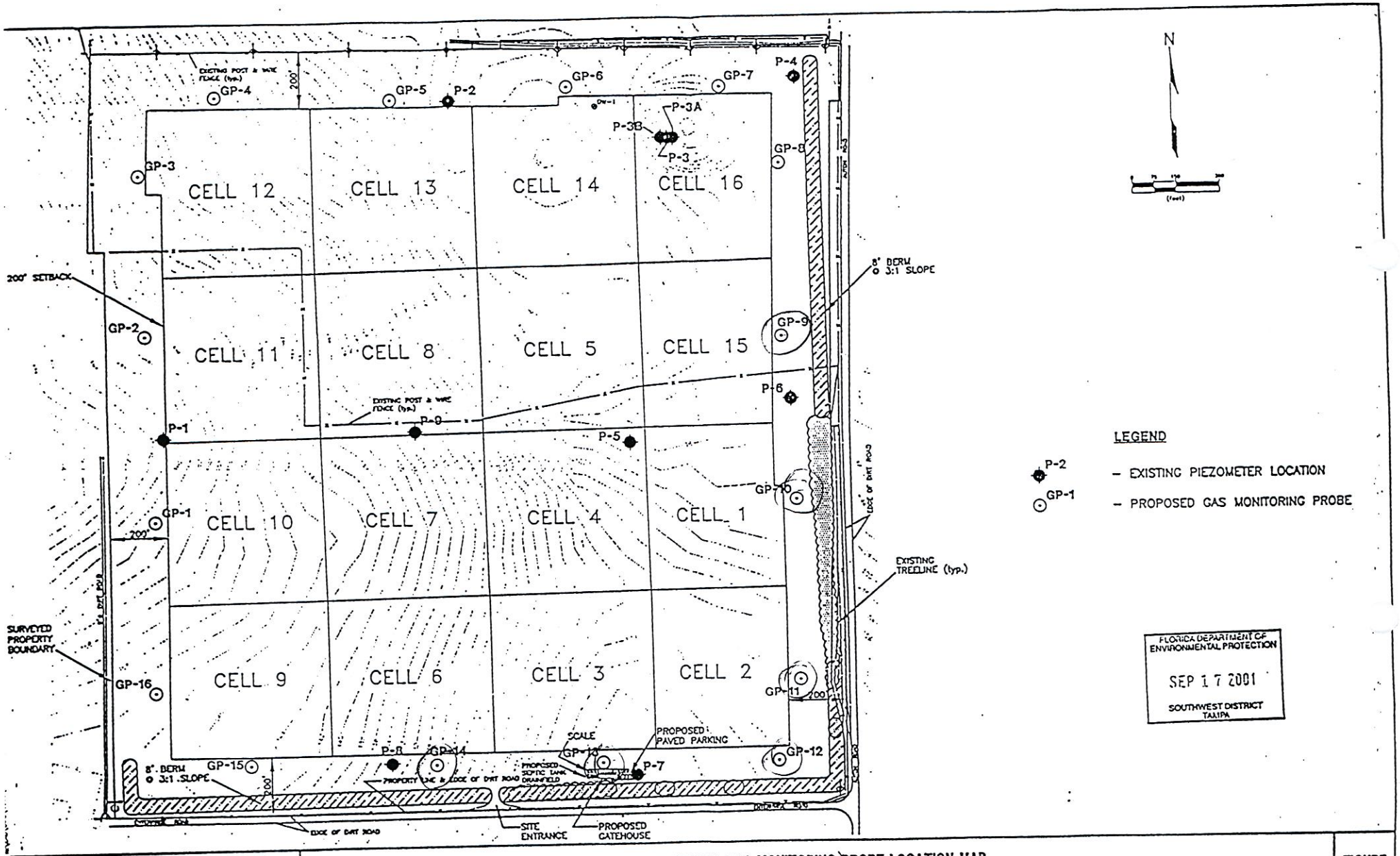
ENTERPRISE RECYCLING & DISPOSAL FACILITY
CLASS III LANDFILL
GAS MONITORING SURVEY FORM

D.E.P.
APR 1 5 2004
Southwest District Tampa

Date: April 14, 2004
Instrument: Q-RAE+ PGM 2000
Sampler: WJB

GAS PROBE NO.	TIME OF READING	AMBIENT AIR TEMP °F	AMBIENT AIR OXYGEN CONTENT %	AMBIENT AIR METHANE % by LEL	METHANE LEVEL Pre-Purge Measurement			METHANE LEVEL Post-Purge Measurement		
					% O_2	% by Vol.	% by LEL	% O_2	% by Vol.	% by LEL
1	Not installed									
2	Not installed									
3	Not installed									
4	Not installed									
5	Not installed									
6	Not installed									
7	Not installed									
8	Not installed									
9	0910	51	21.2	0	20.9	0	0	NR	NR	NR
10	0906	51	21.2	0	20.9	0	0	NR	NR	NR
11	0859	51	21.3	0	21.2	0	0	NR	NR	NR
12	0854	51	21.4	0	20.9	0	0	NR	NR	NR
13	0850	51	21.4	0	21.4	0	0	NR	NR	NR
14	0845	51	21.6	0	21.5	0	0	NR	NR	NR
15	Not installed									
16	Not installed									
Scale house	0915	66	20.9	0	N/A	N/A	N/A	N/A	N/A	N/A

NR - Not required, no methane indicated in pre-purge measurement



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PROPOSED GAS MONITORING PROBE LOCATION MAP
PROPOSED ENTERPRISE RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA

FIGURE 3-13

D.E.P.
APR 1 5 2004
Southwest District Tampa

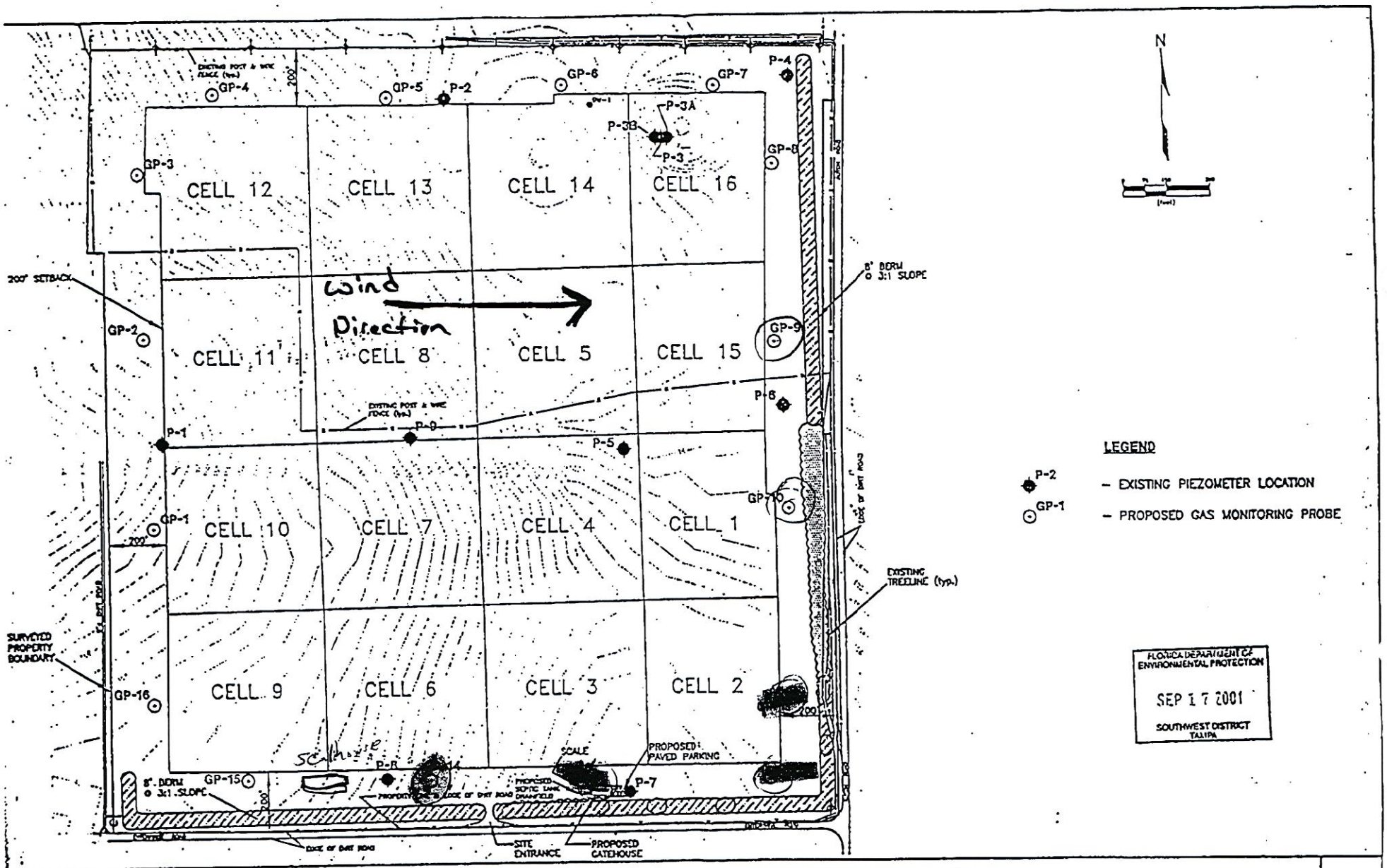
ENTERPRISE CLASS III LANDFILL
GAS MONITORING SURVEY FORM

Date: 4/14/04
Instrument: Q-RAE+ PGM 2000
Sampler: CWJB

GAS PROBE NO.	TIME OF READING	AIR TEMP °F	METHANE LEVEL Pre-Purge Measurement		METHANE LEVEL Post-Purge Measurement	
			OXY ~~% by Vol.~~	% by LEL	% by Vol.	% by LEL
1						
2						
3						
4						
5						
6						
7						
8						
9	0910	51°	20.9	0		
10	0906	51°	20.9	0		
11	0859	51°	21.2	0		
12	0854	51°	20.9	0		
13	0850	51°	21.4	0		
14	0845	51°	21.5	0		
Scale ~~13~~ house	0915	66°	20.9	0		
16						

Ambient Air Measurement

Gas probe #	LEL	OXY
9	0	21.2
10	0	21.2
11	0	21.3
12	0	21.4
13	0	21.4
14	~~[illegible]~~ - 0	~~[illegible]~~ - 21.6



HARTMAN & ASSOCIATES, INC.

PROPOSED GAS MONITORING PROBE LOCATION MAP
PROPOSED ENTERPRISE RECYCLING AND DISPOSAL FACILITY
DADE CITY, FLORIDA

FIGURE 3-13

HARTMAN & ASSOCIATES

FIELD LOG

HAI # 99.0331.014 NAME: WJB

PROJECT NAME: Enterprise Rd L.F. Gas probe monitoring DATE: 4/14/04

PROJECT LOCATION: Dade City, FL

TIME	COMMENTS
0830	Arrived on site after picking up supplies, checked in at scalehouse. Will begin gas probe monitoring at GP locations and also scale house.
	First, an ambient air measurement will be taken at Gas probe location, then instrument will be inserted into port and valve opened. A reading will be taken which is the pre-purge reading. If NO LEL is detected, valve will be shut and will repeat procedure at each location.
	The instrument is the Q-RAE+ PGM 2000
0920	Completed final measurement inside scale house and will Fax info to JLD at office