MONITORING WELL ABANDONMENT ACTIVITIES

101-111 Geraldine Street | Key West, Florida
PM Project Number 18-3479-0-0002

Prepared for:

Keys Energy Services
1001 James Street
Key West, Florida 33041-6100

Prepared by:

PM Environmental, Inc.
2131 Hollywood Boulevard, Suite 503
Hollywood, Florida 33020
June 17, 2016

Mr. Stanley Rzad
Keys Energy Services
1001 James Street
Key West, Florida 33041-6100

Re: Summary of Monitoring Well Abandonment Activities for the Former Key West Gas and Electric Company Located at 101-111 Geraldine Street, Key West, Florida
PM Environmental, Inc., Project No. 18-3479-0-0002

Dear Mr. Rzad:

PM Environmental, Inc. (PM) is pleased to present this summary of the monitoring well abandonment activities conducted at the above-referenced property in June 2016.

SITE DESCRIPTION AND PROJECT BACKGROUND

The subject property consists of eight parcels containing approximately 0.78 acres and is developed with three buildings, which consist of a 13,300 square foot main building, a 459 square foot blacksmith shop, and a 945 square foot machine shop. Standard and other historical sources documented that the first developed use of the subject property occurred in 1884, at which time the property was developed as a manufactured gas plant that operated until 1889. The property began to operate as an electrical power plant in approximately 1890 and continued to operate as a power plant until the 1950s/1960s. Five residential dwellings were present on the northern and southern portions of the property from at least 1892 until 1899. The property has been unoccupied since the power plant was closed, with the exception of the construction of an electrical substation on the southern portion of the property in the late 2000s.

PM completed four consecutive quarterly groundwater monitoring sampling events from August 2014 to July 2015 for the discharge dated February 20, 2012 at the subject property. On April 26, 2016, the Florida Department of Environmental Protection (FDEP) issued a Site Rehabilitation Completion Order (SRCO) Approval and No Further Action Risk Management Option Level III (NFA RMO III) for the discharge dated February 20, 2012, and thus incorporated the Declaration of Restrictive Covenant (DRC). In accordance with the requirements of Subsection 62-532.500(4), Florida Administrative Code (FAC), monitoring wells are required to be properly abandoned within 60 days of the receipt of the order. A copy of the FDEP Correspondence is included in Appendix A.

MONITORING WELL ABANDONMENT ACTIVITIES

On June 1, 2016, PM’s subcontractor, Wombat Environmental, LLC (Wombat), under the oversight of PM field staff, completed the abandonment of seven monitoring wells PMW-1 through PMW-7. The wells were abandoned by pumping a cement/bentonite slurry grout through a tremie pipe and finished to grade with concrete in accordance with ASTM Standard D5299-99 and the FDEP Standard Operating Procedures (SOPs) PSC-006, per Chapter 62-761, Florida Administrative Code (FAC). The Well Completion Reports are attached in Appendix B.
SUMMARY

PM completed the proper abandonment of seven existing monitoring wells at the Former Key West Gas and Electric Company property located at 101-111 Geraldine Street in Key West, Monroe County, Florida.

If you have any questions related to this report please do not hesitate to contact our office at (954) 924-1801.

Sincerely,

PM ENVIRONMENTAL, INC.

Candace E. Chin Fatt
Regional Manager – Site Investigation Services

J. Adam Patton, CHMM
Manager - Site Investigation Services

FIGURES

Figure 1: Site Location Map
Figure 2: Generalized Diagram of the Subject Property with the Former Monitoring Well Locations

APPENDICES

Appendix A: FDEP Correspondence
Appendix B: Well Completion Report
FIGURE 1
PROPERTY VICINITY MAP
USGS, 7.5 MINUTE SERIES
KEY WEST, FL QUADRANGLE, 1971.
April 26, 2016

VIA ELECTRONIC MAIL

Mr. Stanley Rzad  
Keys Energy Services  
1001 James Street  
Key West, Florida 33041-6100  
E-mailed to: Stanley.Rzad@keysenergy.com

Subject: Monroe County – WC  
Site Rehabilitation Completion Order (SRCO) Approval  
No Further Action Risk Management Option Level III (NFA RMO III)  
Former Key West Gas and Electric Company  
101-111 Geraldine Street, Key West, Florida 33040  
Waste Cleanup Tracking Number: COM_303264  
Discharge Date: February 20, 2012

Dear Mr. Rzad:

The Florida Department of Environmental Protection (Department) has completed our technical review of the documentation (including No Further Action with Institutional Controls Proposal for Former Key West Gas and Electric Company, generated by PM Environmental, Inc. (PM)) submitted in support of a Site Rehabilitation Completion Order with Conditions (SRCO-C) pursuant to Florida Administrative Code (F.A.C.) Rule 62-780.680(3) Risk Management Option Level III (RMO III) for the Former Key West Gas and Electric Company Facility located at 101-111 Geraldine Street, Key West, Florida 33040. All the documents submitted to date are adequate to meet the site assessment requirements of Rule 62-780.680(3) Florida Administrative Code (F.A.C.). The DRC is hereby incorporated by reference in this Site Rehabilitation Completion Order (Order) No Further Action Risk Management Options Level III (NFA RMO III). Therefore, you are released from any further obligation to conduct site rehabilitation at the site for petroleum product contamination associated with the discharge referenced above, except as set forth below.

1) In the event concentrations of petroleum products’ contaminants of concern migrate beyond the established physical limits as documented in the Declaration of Restrictive Covenant approved in this Order, or if a subsequent discharge of petroleum or petroleum product occurs at the site, the Florida Department of Environmental Protection (Department) may require assessment and site rehabilitation pursuant to Chapter 62-780, F.A.C., to reduce concentrations of petroleum products’ contaminants of concern to the levels approved in the SRCO or otherwise allowed by Chapter 62-777, F.A.C.
2) Additionally, you are required to properly abandon all monitoring wells within 60 days of receipt of this Order. The monitoring wells must be plugged and abandoned in accordance with the requirements of Subsection 62-532.500(4), F.A.C.

Legal Issues

The Department’s Order shall become final unless a timely petition for an administrative hearing is filed under sections 120.569 and 120.57, Florida Statutes (F.S.), within 21 days of receipt of this Order. The procedures for petitioning for an administrative hearing are set forth below.

Persons affected by this Order have the following options:

1) If you choose to accept the Department’s decision regarding the DRC NFA RMO III you do not have to do anything. This Order is final and effective on the date filed with the Clerk of the Department, which is indicated on the last page of this Order.

2) If you choose to challenge the decision, you may do the following:

   a) File a request for an extension of time to file a petition for an administrative hearing with the Department’s Agency Clerk in the Office of General Counsel within 21 days of receipt of this Order; such a request should be made if you wish to meet with the Department in an attempt to informally resolve any disputes without first filing a petition for an administrative hearing; or

   b) File a petition for an administrative hearing with the Department’s Agency Clerk in the Office of General Counsel within 21 days of receipt of this Order.

Please be advised that mediation of this decision pursuant to section 120.573, F.S., is not available.

How to Request an Extension of Time to File a Petition for an Administrative Hearing

For good cause shown, pursuant to subsection 62-110.106(4), F.A.C., the Department may grant a request for an extension of time to file a petition for an administrative hearing. Such a request must be filed (received) by the Department’s Agency Clerk in the Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000, within 21 days of receipt of this Order. Petitioner, if different from Keys Energy Services shall mail a copy of the request to Mr. Stanley Rzad (Stanley.Rzad@keysenergy.com), Keys Energy Services, 1001 James Street, Key West, Florida 33041-6100, at the time of filing. Timely filing a request for an extension of time tolls the time period within which a petition for an administrative hearing must be made.

How to File a Petition for an Administrative Hearing

A person whose substantial interests are affected by this Order may petition for an administrative hearing under sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) by the Department’s Agency Clerk in the Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000, within 21 days of receipt of this Order. Petitioner, if different from Keys Energy Services shall mail a copy of the request to Mr. Stanley Rzad (Stanley.Rzad@keysenergy.com), Keys Energy Services,
1001 James Street, Key West, Florida 33041-6100, at the time of filing. Failure to file a petition within this time period shall waive the right of anyone who may request an administrative hearing under sections 120.569 and 120.57, F.S.

Pursuant to subsection 120.569(2), F.S. and rule 28-106.201, F.A.C., a petition for an administrative hearing shall contain the following information:

a) The name, address, and telephone number of each petitioner; the name, address, and telephone number of the petitioner’s representative, if any; the facility owner’s name and address, if different from the petitioner; the FDEP facility number, and the name and address of the facility;

b) A statement of when and how each petitioner received notice of the Department’s action or proposed action;

c) An explanation of how each petitioner’s substantial interests are or will be affected by the Department’s action or proposed action;

d) A statement of the disputed issues of material fact, or a statement that there are no disputed facts;

e) A statement of the ultimate facts alleged, including a statement of the specific facts the petitioner contends warrant reversal or modification of the Department’s action or proposed action;

f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the Department’s action or proposed action; and

g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the Department to take with respect to the Department’s action or proposed action.

This Order is final and effective on the date filed with the Clerk of the Department, which is indicated on the last page of this Order. Timely filing a petition for an administrative hearing postpones the date this Order takes effect until the Department issues either a final order pursuant to an administrative hearing or an Order Responding to Supplemental Information provided to the Department pursuant to meetings with the Department.

Judicial Review
Any party to this Order has the right to seek judicial review of it under section 120.68, F.S., by filing a notice of appeal under rule 9.110 of the Florida Rules of Appellate Procedure with the Department’s Agency Clerk in the Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida, 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within 30 days after this Order is filed with the Department’s clerk (see below).
Questions

Any questions regarding the Department’s review of your Declaration of Restrictive Covenant (DRC) No Further Action Risk Management Options Level III (NFA RMO III) should be directed to Mark A. Sautter at (239) 344-5690 or Mark.Sautter@dep.state.fl.us. Whenever possible, please submit any written response(s) electronically to FTM.Tanks.Cleanup@dep.state.fl.us.

Questions regarding legal issues should be referred to the Department’s Office of General Counsel at (850) 245-2242. Contact with any of the above does not constitute a petition for an administrative hearing or a request for an extension of time to file a petition for an administrative hearing. The FDEP Waste Cleanup Tracking Number for this site is COM_303264. Please use this identification on all future correspondence with the Department.

Sincerely,

[Signature]

Jon M. Iglehart
Director of District Management
South District

JMI/MAS/se

Enclosures: (1) Site Rehabilitation Completion Order (SRCO) Approval April 19, 2016
(2) Declaration of Restrictive Covenant

cc: Candace Chin Fatt – PM (chinfatt@pmenv.com)
    Lindsay C. Walton, Esq. – Goldstein Env. Law Firm (lwalton@goldsteinenvlaw.com)
    Dan Blackwell – FDEP (Dan.Blackwell@dep.state.fl.us)
    Toni Sturtevant – FDEP (Toni.Sturtevant@dep.state.fl.us)
    Jennifer Carpenter – FDEP (Jennifer.Carpenter@dep.state.fl.us)
    Elizabeth Sweigert – FDEP (Elizabeth.Sweigert@dep.state.fl.us)
    Charles A. Masella – FDEP (Charles.Masella@dep.state.fl.us)
    Ryan Snyder – FDEP (Ryan.Snyder@dep.state.fl.us)
    Mark A. Sautter – FDEP (Mark.Sautter@dep.state.fl.us)

FILING AND ACKNOWLEDGMENT
FILED, on this date, pursuant to §120.52 Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

[Signature]        April 26, 2016
Clerk             Date
SRCO Approval Attachment

SRCO NFA RMO III for Waste Cleanup Tracking Number: COM_303264

Former Key West Gas and Electric Company
101-111 Geraldine Street, Key West, Florida 33040
Waste Cleanup Tracking Number: COM_303264
Discharge Date: February 20, 2012

I hereby certify that in my judgment, the components of this Site Rehabilitation Completion Order (SRCO) satisfy the requirements set forth in Chapter 62-780.680(3), Florida Administrative Code (F.A.C.), No Further Action Risk Management Options Level III (NFA RMO-III) and that the conclusions in this report provide reasonable assurances that the objectives in Chapter 62-780.680(3), F.A.C., have been met.

_ I personally completed this review.

X This review was conducted by Mark A. Sautter working under my direct supervision.

__________________________
Charles A. Masella
Projects Manager-Environmental Consultant
Florida Department of Environmental Protection

April 21, 2016 __________________
Date
DECLARATION OF RESTRICTIVE COVENANT

This DECLARATION OF RESTRICTIVE COVENANT (hereinafter “Declaration”) is made by THE UTILITY BOARD OF THE CITY OF KEY WEST, FLORIDA, authorized to conduct business in the State of Florida (hereinafter “Grantor”) and the FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (hereinafter “FDEP”). The Grantor and the FDEP are the “Parties” under this Declaration.

I. Recitals

A. The Grantor is the fee simple owner of that certain real property situated in the City of Key West, Monroe County, Florida, more particularly described in the legal description attached hereto at Exhibit A and made a part of this Declaration hereof (hereinafter the “Property”). The street address of the Property is 100 Angela Street, Key West, Monroe County, FL, and the parcel numbers are 13950; 13960; 13970; 13900; 13910; 13870; 13860; and 13830.

B. The FDEP Facility Identification Number for the Property is COM_303264.

C. The Property was formerly utilized for manufactured gas and electric power plant operations and is currently used as an electrical substation. In connection with historic site uses, there are onsite petroleum constituent impacts to groundwater. The assessment of groundwater at the Property is documented in the following reports that are incorporated into this Declaration by reference (hereinafter, the “Environmental Reports”):


2. 4th Quarter, 1st Year Natural Attenuation Monitoring Report, prepared by PM Environmental, dated July 10, 2015;

3. 3rd Quarter, 1st Year Natural Attenuation Monitoring Report, prepared by PM Environmental, dated March 11, 2015;

4. 2nd Quarter, 1st Year Natural Attenuation Monitoring Report, prepared by PM Environmental, dated December 5, 2014;
5. Supplemental Site Assessment Report, prepared by PM Environmental, dated August 25, 2014; and


D. The Environmental Reports set forth the nature and extent of the contamination located at the Property. These reports confirm that contaminated groundwater as defined by Chapter 62-780, Florida Administrative Code (F.A.C.), exist on the Property. Also, these reports document that the groundwater contamination does not extend beyond the Property boundary, that the extent of the groundwater contamination does not exceed 1/4 acre, and the groundwater contamination is not migrating.

E. It is the intent that the restrictions in this Declaration reduce or eliminate the risk of exposure of users or occupants of the Property and the environment to the contaminants and to reduce or eliminate the threat of migration of the contaminants.

F. FDEP has agreed to issue the Grantor, or its respective successors or assigns, a Site Rehabilitation Completion Order (hereinafter “SRCO”) upon recordation of this Declaration, and the FDEP can unilaterally revoke the SRCO if the conditions of this Declaration or of the SRCO are not met. Additionally, if concentrations of contaminants increase above the levels approved in the SRCO, or if a subsequent discharge occurs at the Property, the FDEP may require site rehabilitation to reduce concentrations of contamination to the levels allowed by the applicable FDEP rules. The SRCO relating to this Declaration can be found by contacting the South District office of the FDEP.

G. The Grantor deems it desirable and in the best interest of all present and future owners of the Property that an SRCO be obtained and maintained so long as contaminants remain at the Property above applicable cleanup target levels, and that the Property be held subject to certain restrictions, all of which are more particularly hereinafter set forth.

II. Agreement

NOW, THEREFORE, to induce the FDEP to issue the SRCO and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by each of the undersigned Parties, Grantor agrees as follows:

1. The foregoing Recitals are true and correct and are incorporated herein by reference.

2. The Grantor hereby imposes on the Property the following restrictions:

   a. There shall be no use of the groundwater under the Property. There shall be no drilling for water conducted on the Property, nor shall any wells be installed on the Property other than monitoring wells pre-approved in writing by FDEP’s Division of Waste Management, in addition to any authorizations required by the Division of Water Resource Management (“DWRM”) and the Water Management Districts (“WMD”). Additionally, there shall be no stormwater swales, stormwater detention
or retention facilities, or ditches on the Property. For any dewatering activities, a plan approved by FDEP's Division of Waste Management must be in place to address and ensure the appropriate handling, treatment, and disposal of any extracted groundwater that may be contaminated.

3. In the remaining paragraphs, all references to "Grantor" and "FDEP" shall also mean and refer to their respective successors and assigns.

4. For the purpose of monitoring the restrictions contained herein, FDEP is hereby granted a right of entry upon and access to the Property at reasonable times and with reasonable notice to GRANTOR.

5. It is the intention of Grantor that the restrictions contained in this Declaration shall touch and concern the Property, run with the land and with the title to the Property, and shall apply to and be binding upon and inure to the benefit of Grantor and to the FDEP, and to any and all parties hereafter having any right, title or interest in the Property or any part thereof as provided by applicable law. The FDEP may enforce the terms and conditions of this Declaration by injunctive relief and other appropriate available legal remedies. Any forbearance on behalf of the FDEP to exercise its right in the event of the failure of the Grantor to comply with the provisions of this Declaration shall not be deemed or construed to be a waiver of the FDEP's rights hereunder. This Declaration shall continue in perpetuity, unless otherwise modified in writing by Grantor and the FDEP as provided in Paragraph 7 of this Declaration. These restrictions may also be enforced in a court of competent jurisdiction by any other person, firm, corporation, or governmental agency that is substantially benefited by this Declaration. If the Grantor does not or will not be able to comply with any or all of the provisions of this Declaration, the Grantor shall notify the FDEP in writing within three (3) calendar days. Additionally, Grantor shall notify FDEP thirty (30) days prior to any conveyance or sale, granting or transferring the Property, to any heirs, successors, assigns or grantees, including, without limitation, the conveyance of any security interest in said Property.

6. In order to ensure the perpetual nature of these restrictions, Grantor shall reference these restrictions in any subsequent lease or deed of conveyance, including the recording book and page of record of this Declaration. Furthermore, prior to the entry into a landlord-tenant relationship with respect to the Property, the Grantor agrees to notify in writing all proposed tenants of the Property of the existence and contents of this Declaration.

7. This Declaration is binding until a partial or full release of this Declaration is executed by the FDEP Secretary (or by the Secretary’s designee) and by the Grantor and is recorded in the public records of the county in which the land is located. To receive prior approval from the FDEP to remove this Declaration or any requirement herein, applicable cleanup target levels established pursuant to Florida Statutes and FDEP rules must have been achieved at the Property. This Declaration may be modified in writing only. Any modification of or amendment to this Declaration must be executed by both the Grantor and the FDEP and be recorded by the Grantor as an amendment hereto.
8. If any provision of this Declaration is held to be invalid by any court of competent jurisdiction, the invalidity of that provision shall not affect the validity of any other provisions of the Declaration. All such other provisions shall continue unimpaired in full force and effect.

9. The Grantor covenants and represents that on the date of execution of this Declaration that the Grantor is seized of the Property in fee simple and has good right to create, establish, and impose this restrictive covenant on the use of the Property. The Grantor also covenants and warrants that the Property is free and clear of any and all liens, mortgages, or encumbrances that could impair GRANTOR’S rights to impose the restrictive covenant described in the Declaration.

[SIGNATURES APPEAR ON FOLLOWING PAGES]
IN WITNESS WHEREOF, the Grantor has executed this Declaration, this 24 day of February, 2016.

BY: The Utility Board of the City of Key West, Florida
d/b/a KEYS Energy Services
1001 James Street
Key West, FL 33040

______________________________
Peter Batty, Chairman

Signed, sealed and delivered in the presence of:

______________________________ Date: 2/24/2016
Witness

Print Name: Lysae Tejeda

______________________________ Date: 2/24/2016
Witness

Print Name: Stanley Reed

NOTARY

STATE OF ___________
COUNTY OF ___________

The foregoing instrument was acknowledged before me this 24 day of __________, 2016, by

________________________________
Personally Known □ OR Produced Identification □

Type of Identification Produced ____________________________

________________________________
Signature of Notary Public

________________________________
Print Name of Notary Public

Commission No. FF 25885
Commission Expires: June 10, 2017
Approved as to form by:

Toni Sturtevant, Asst. General Counsel
Florida Department of Environmental Protection
Office of General Counsel

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
By:

JON IGLEHART,
Director of District Management
Dept. of Environmental Protection
South District
P O Box 2549
Fort Myers, Florida 33902-2549

Signed, sealed, and delivered in the presence of:

Witness Signature

Witness Signature

Printed Name

Printed Name

Date

Date

STATE OF FLORIDA
COUNTY OF PALM BEACH

The foregoing instrument was acknowledged before me this 29th day of March 2016, by JON IGLEHART, who is personally known to me.

MARIE VIDRINE
Notary Public, State of Florida at Large
Exhibit A
Exhibit A

Legal Description

Subdivisions Eight (8), Eleven (11), Twelve (12), Fifteen (15), Sixteen (16), Nineteen (19), Twenty (20), and Twenty-one (21) in Square Three (3) of Tract Three (3), according to a Diagram of Thomas J. Ashe's Subdivision recorded in Deed Book "I", Page 77 of the Public Records of Monroe County, Florida.
**STATE OF FLORIDA WELL COMPLETION REPORT**

1. **Permit Number**: 44-00065WC  
   **CUP/WUP Number**:  
   **DID Number**: 62-524 Delineation No. 

2. **Number of permitted wells constructed, repaired, or abandoned**: 7  
   **Number of permitted wells not constructed, repaired, or abandoned**: 0 

3. **Owner’s Name**: Utility Board of Key West  
   **Completion Date**: 6-6-16  
   **Florida Unique ID**:  

6. **Location**: 101 Geraldine Street  
   **City**: Key West FL  
   **Address**:  
   **Road Name or Number**:  
   **City**:  
   **ZIP**:  

7. **County**: Monroe  
   **Section**: 6  
   **Land Grant**:  
   **Township**: 68  
   **Range**: 25 

8. **Latitude**: 24.551423  
   **Longitude**: -81.805094 

9. **Data Obtained From**:  
   **GPS Map Survey**:  
   **Datum**: NAD 27 NAD 83 WGS 84 

10. **Type of Work**:  
    - Construction  
    - Repair  
    - Modification  
    - Abandonment 

11. **Specify Intended Use(s) of Well(s)**:  
    - Domestic 
    - Landscape Irrigation 
    - Agricultural Irrigation 
    - Site Investigation 
    - Recreational Area Irrigation 
    - Livestock Monitoring 
    - Nursery Irrigation 
    - Earth-Coupled Geothermal Heating 
    - Commercial/Industrial HVAC Supply 
    - Golf Course Irrigation 
    - Earth-Coupled Geothermal Heating Return 
    - Class I Injection Recharge 
    - Commercial/Industrial Geothermal Disposal 
    - Aquifer Storage and Recovery 
    - Drainage 

12. **Drill Method**:  
    - Auger 
    - Cable Tool 
    - Rotary 
    - Combination (Two or More Methods) 
    - Jetted 
    - Sonic 
    - Horizontal Drilling 
    - Hydraulic Point (Direct Push) 
    - Other approved plug 

13. **Measuring Point (Describe)**:  

14. **Flowing**:  
    - Yes 
    - No 

15. **Casing Material**:  
    - Black Steel 
    - Galvanized 
    - PVC 
    - Stainless Steel 
    - Not Cased 
    - Other (Describe) 

16. **Total Well Depth**: 12 ft. 
   **Cased Depth**: 2 ft. 
   **Open Hole**: From 0 ft. To 1 ft. 
   **Screen**: From 2 ft. To 12 ft. 
   **Slot Size**: 

17. **Abandonment (Explain)**:  
    - Other 

18. **Surface Casing Diameter and Depth**:  
    - Dia. 2 in. From 0 ft. To 12 ft. No. of Bags 1 
    - Seal Material (Check One): Neat Cement 

19. **Primary Casing Diameter and Depth**:  
    - Dia. 2 in. From 0 ft. To 12 ft. No. of Bags 1 
    - Seal Material (Check One): Neat Cement 

20. **Liner Casing Diameter and Depth**:  
    - Dia. 2 in. From 0 ft. To 12 ft. No. of Bags 1 
    - Seal Material (Check One): Neat Cement 

21. **Telescope Casing Diameter and Depth**:  
    - Dia. 2 in. From 0 ft. To 12 ft. No. of Bags 1 
    - Seal Material (Check One): Neat Cement 

22. **Pump Type (If Known)**:  
    - Centrifugal 
    - Jet 
    - Submersible 
    - Turbine 

23. **Chemical Analysis (When Required)**:  
    - Iron ppm 
    - Sulfate ppm 
    - Chloride ppm 

24. **Water Well Contractor**:  
    - Identity: Paul A Poorbaugh  
    - License Number: 11193  
    - E-mail Address: wombatenv@yahoo.com 

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*Certify that the information provided in this report is accurate and true.*

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DEP Form 62-532.900(2)  
Incorporated in 62-532.410, F.A.C.  
Effective Date: October 7, 2010
**DRILL CUTTINGS LOG** (Examine cuttings every 20 ft. or at formation changes. Note cavities and depth to producing zone. Grain Size: F=Fine, M=Medium, and C=Coarse)

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**Comments:**
_________________________________________________________________________________
_________________________________________________________________________________
_________________________________________________________________________________
_________________________________________________________________________________

**Detailed Site Map of Well Location**

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*DEP Form 62-532.900(2) Incorporated in 62-532.410, F.A.C. Effective Date: October 7, 2010*
WELL CONSTRUCTION/REPAIR/MODIFY/ABANDON PERMIT

APPLICATION NUMBER: 160603-17 PERMIT NUMBER: 44-00065-WC

ISSUANCE DATE: 06/03/2016 EXPIRATION DATE: 12/03/2016

PERMITTEE: The Utility Board of the City of Key West
1001 James Street
Key West, FL 33040

CONTRACTOR: Wombat Environmental LLC
Poorbaugh, Paul
1025 SE Salerno Rd.
Stuart, FL 34997
LICENSE #: 11193

PROJECT NAME: Well Construction Permit
PARCEL #: 0668 25 00013900000000
FACILITY NAME: PMW-1 through PMW-7

TYPE OF USE: Abandonment
INTENDED WELL USE(S):
Monitoring
Site Investigations

PROJECT LOCATION: MONROE SEC: 6 TWP: 68 RGE: 25

WELL SPECIFICATIONS:
Primary Casing Diameter: 2.0
Estimated Casing Depth: 2.0
Estimated Screen Interval:
Open Hole Interval:
Estimated Depth Well: 12.0

By: ____________________________________________
Water Well Permitting Administrator
Water Use Bureau

3301 Gun Club Road, West Palm Beach, Florida 33406 • (561) 686-8800 • www.sfwmd.gov

http://my.sfwmd.gov/eSubmittal/WWCPrintPermitAction.do?commonRefIdNo=160603-17... 6/3/2016
REVIEWER'S COMMENTS: This permit is for the abandonment of monitoring wells PMW-1 through PMW-7 to a depth of 12 feet.

PERMIT CONDITIONS

1. This well shall be plugged by filling it from bottom to top with neat cement grout or bentonite capped with a minimum of one foot of neat cement grout. 62-532.500(5), F.A.C.

2. Only water from a potable water source shall be used in the construction, repair or abandonment of a water well, including water for cleaning of well materials, drilling equipment, and water used to mix drilling fluids. 62-532.500(3)(g), F.A.C.

3. A Water Well Completion Report (DEP Form 62-532.900(2)) must be filed with the District within 30 days of completion of work. 62-532.410, F.A.C. Well completion information can be submitted online at www.sfwmd.gov/ePermitting.