



FLORIDA DEPARTMENT OF Environmental Protection

Northwest District
160 W. Government Street, Suite 308
Pensacola, Florida 32502

Rick Scott
Governor

Carlos Lopez-Canera
Lt. Governor

Noah Valenstein
Secretary

November 30, 2018

Sent by Electronic Mail – Received Receipt Requested
rmills@wasteprousa.com

In the Matter of an
Application for Permit by:
Waste Pro Freeport, LLC
P.O. Box 917209
Longwood, Florida 32791

Walton County
WACS # 15091
Freeport C&D Disposal Facility

Attention: E. Ralph Mills

DEP File No: 0002049-013-SO

This is the Department's Intent to Issue Permit Modification No. 0002049-013-SO. Enclosed with the revised Intent to Issue is a Draft Permit for the project and file number noted above. Please contact the Northwest District's Solid Waste Permitting Program at 850-595-8300 if you have any questions or need further information. The permit modification consists of a time extension to immediately conduct closure of the facility and to commence long-term care requirements.

INTENT TO ISSUE – PERMIT MODIFICATION

The Department of Environmental Protection gives notice of its intent to issue a permit (copy attached) for the proposed project as detailed in the application specified above, for the reasons stated below.

The applicant, Waste Pro Freeport, LLC, applied on February 9, 2018 to the Department of Environmental Protection, for a permit to close and conduct long-term care at a facility located on the north side of State Highway 20, approximately two miles west of the City of Freeport, Florida.

The Department has permitting jurisdiction under Section 403.707(1), Florida Statutes (F.S.) and Chapters 62-4 and 62-701, Florida Administrative Code (F.A.C.). The project is not exempt from permitting procedures. The Department has determined that a closure and long-term care permit is required.

Pursuant to Section 403.815, F.S., you are required to publish at your own expense the enclosed Notice of Proposed Agency Action. The notice shall be published one time only within 30 days in the legal ad section of a newspaper of general circulation in the area affected. For the purpose of this rule, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. Where there is more than one newspaper of general

circulation in the county, the newspaper used must be one with significant circulation in the area that may be affected by the permit. If you are uncertain that a newspaper meets these requirements, please contact the Department at the following address or telephone number. You must provide proof of publication to the Department at the following address as soon as practical after publication. This address and phone number are: Department of Environmental Protection-Northwest District, 160 West Government Street, Suite 308, Pensacola, Florida 32502, phone: 850-595-8300.

The Department will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, F.S., before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000.

Petitions by the applicant or any of the parties listed below must be filed within 14 days of receipt of this written notice. Petitions filed by other persons must be filed within 14 days of publication of the notice or receipt of the written notice, whichever occurs first. Under Section 120.60(3), F.A.C., however, any person who asked the Department for notice of agency action may file a petition within fourteen days of receipt of such notice, regardless of the date of publication. The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Department's action is based must contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are or will be affected by the Department's action or proposed action;
- (d) A statement of all material facts disputed by petitioner or a statement that there are no disputed facts;
- (e) A statement of the ultimate facts alleged, including a statement of the specific facts which 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 the petitioner wants the Department to take with respect to the Department's action or proposed action.

A petition that does not dispute the material facts on which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

In accordance with Section 120.573, F.S., the Department advises that mediation is not available in this case under the provisions of that statute. This does not prevent any interested parties from agreeing to other forms of alternate dispute resolution.

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, Florida Rules of Appellate Procedure, with the clerk of the Department in the Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, 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 thirty days after this order is filed with the clerk of the Department.

Executed in Pensacola, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Emile D. Hamilton
District Director

160 W. Government Street, Suite 308
Pensacola, Florida 32502-5794

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this order and all attachments were sent electronically on the filing date below to the following listed persons:

Cory Dilmore, P.E., DEP Solid Waste, cory.dilmore@dep.state.fl.us
Susan Eldredge, DEP Financial Assurance, Financial.Assurance.Working.Group@dep.state.fl.us
Jeff Longshore, P.E., Nelson Engineering, j.longshore@nelsonengrco.com
Mark Cannady, Waste Pro, mcannady@wasteprousa.com

FILING AND ACKNOWLEDGEMENT

FILED, on this date, pursuant to Section 120.52, F.S. with the designated Department Clerk, receipt of which is hereby acknowledged.



November 30, 2018

Clerk

Date

Enclosures:

1. Text for "Notice of Proposed Agency Action"
2. Draft Permit No. 0002049-013-SO

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF PROPOSED AGENCY ACTION

The Department of Environmental Protection gives Notice of its Intent to issue a solid waste permit modification to Waste Pro Freeport, LLC, P.O. Box 917209, Longwood, Florida. This is a permit modification for time extension to close and conduct long-term care at an existing permitted facility. The Department has assigned File Number 0002049-013-SO to this project.

The Department's file on this matter is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department of Environmental Protection, Northwest District Office, 160 West Government Street, Pensacola, Florida 32502, phone 850-595-8300. Documents are also available at the following link: https://fldeploc.dep.state.fl.us/WWW_WACS/REPORTS/SW_Facility_Docs.asp?wacsid=15091

A person whose substantial interests are affected by the above proposed agency action may petition for an administrative determination (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Department's Office of General Counsel, Marjory Stoneman Douglas Building, 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within 14 days of publication of this notice or receipt of the written notice, whichever occurs first. The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 of the Florida Statutes, or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with rule 28-106.205 of the Florida Administrative Code.

A petition that disputes the material facts on which the Department's action is based must contain the following information:

- (a.) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department File Number and the county in which the project is proposed;
- (b.) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c.) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d.) A statement of all material facts disputed by petitioner or a statement that there are no disputed facts;
- (e.) A statement of facts which the petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f.) A statement of which 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 the petitioner wants the Department to take with respect to the Department's action or proposed action.

A petition that does not dispute the material facts on which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by rule 28-106.301 of the Florida Administrative Code.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above

In accordance with Section 120.573, F.S., the Department advises that mediation is not available in this case as an alternative to filing a petition for an administrative determination.



FLORIDA DEPARTMENT OF Environmental Protection

Northwest District
160 W. Government Street, Suite 308
Pensacola, Florida 32502

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Noah Valenstein
Secretary

Permit Issued to:

Permittee Name:	Waste Pro Freeport, LLC
Permittee Address:	P.O. Box 917209
Permittee City, State, Zip:	Longwood, Florida 32791
Phone Number:	(850) 561-0800
Facility WACS ID No.:	15091
Facility Name:	Freeport C&D Disposal Facility
Facility Address:	North side of Highway 20
Facility City, State, Zip:	Freeport, Florida 32439
Facility County:	Walton
Facility Latitude / Longitude:	30° 30' 40.47" N; 86° 10' 17.77" W

Solid Waste Closure Permit – C&D Debris Disposal

Permit No.:	0002049-012-SO
Permit Modification No.:	0002049-013-SO
Replaces Permit No.:	0002049-006-SO
Permit Issued:	August 12, 2016
Permit Modification Issued:	draft
Permit Renewal Application Due Date:	June 12, 2021
Permit Expires:	August 12, 2021

Permitting Authority

Florida Department of Environmental Protection
Northwest District Office
160 W. Government Street, Suite 308
Pensacola, Florida 32502-5794
(850) 595-8300

SECTION 1 - SUMMARY INFORMATION

A. Authorization

The permittee is hereby authorized to close the facility described below in accordance with the specific and general conditions of this permit and any documents attached to this permit or specifically referenced in this permit and made a part of this permit.

This solid waste closure permit is issued under the provisions of Chapter 403, Florida Statutes, Florida Administrative Code Chapters 62-4 and 62-701.

This permit does not relieve the permittee from complying with any other appropriate local zoning or land use ordinances or with any other laws, rules or ordinances. Receipt of any permits from the Department does not relieve the applicant from obtaining other federal, state, and local permits and/or modifications required by law, including those from other Sections within the Department or of the Water Management District.

B. Facility Location

The facility is located on the north side of Highway 20, approximately two miles west of the City of Freeport, Walton County, Florida. The facility is located at latitude 30° 30' 40.47" North; longitude 86° 10' 17.77" West.

C. Facility Description

The facility operates as a 35.3-acre construction and demolition debris disposal facility, having approximately 21.4 acres of total disposal area for construction and demolition debris. The facility was first permitted as a construction and demolition debris disposal facility under a general permit on November 20, 1989. A separate yard trash disposal facility is also located at this facility and is operated under a general permit.

D. Appendices Made Part of This Permit

- APPENDIX 1 - General Conditions
- APPENDIX 2 – Approved Application Documents
- APPENDIX 3 – Water Quality Monitoring Plan
- APPENDIX 4 – Operation Plan
- APPENDIX 5 – Odor Remediation Plan

E. Attachments for Informational Purposes Only

- ATTACHMENT 1 - Time Sensitive Action Chart
If any of the time deadlines in the Time Sensitive Action Chart are inconsistent with the time deadlines in the permit conditions, the time deadline in the permit condition shall be followed.
- ATTACHMENT 2A – Site Plan
 - ATTACHMENT 2B – Closure Plan
 - ATTACHMENT 3 – Monitor Well Design
 - ATTACHMENT 4 – Monitoring Well Completion Report
 - ATTACHMENT 5 – Water Quality Monitoring Certification
 - ATTACHMENT 6 – Groundwater Sampling Log

SECTION 2 - SPECIFIC CONDITIONS

A. Administrative Requirements

1. Documents Part of This Permit. The permit application as revised in final form replaced or amended in response to the Department's Request(s) for Additional Information are contained in the Department's files and are made a part of this permit. Those documents that make up the complete permit application are listed in APPENDIX 2.
2. Permit Modification. Any change to construction, operation, monitoring, or closure requirements of this permit may require a modification to this permit, in accordance with the provisions of Rule 62-701.320(4), F.A.C.

3. Permit Renewal. In order to ensure uninterrupted operation of this facility, a timely and sufficient permit renewal application must be submitted to the Department in accordance with Rule 62-701.320(10), F.A.C. A permit application submitted at least 61 days prior to the expiration of this permit is considered timely and sufficient. The permit renewal application shall be limited to renewal of long-term care only.
4. Transfer of Permit or Name Change. In accordance with Rule 62-701.320(11), F.A.C., the Department must be notified by submitting Form 62-701.900(8) within 30 days: (a) of any sale or conveyance of the facility; (b) if a new or different person takes ownership or control of the facility; or (c) if the facility name or permittee's legal name is changed.

B. Construction Requirements

1. Construction Authorized. This Permit does not authorize any construction activities.

C. Operation Requirements

1. General Operating Requirements. This permit does not authorize operation of the construction and demolition debris disposal facility. The permittee shall close the facility in accordance with the approved closure plan and Section D of the Operation Plan listed in APPENDIX 4.
2. Disposal Facility Elevation. The final (maximum) elevation of the disposal facility, shall not exceed 165 feet North American Vertical Datum (NAVD) as shown on ATTACHMENT 2B. At no time shall this maximum elevation be exceeded.

D. Water Quality Monitoring Requirements

1. Zone of Discharge. The zone of discharge for this facility shall be a three dimensional volume described as:
 - a. The horizontal ZOD shall not exceed 100 feet from the edge of the waste disposal units or property line; whichever is closer, as shown in ATTACHMENT 2A.
 - b. The vertical ZOD shall extend from the land surface down to the top of the low permeability Zone at approximately 0.0 feet National Geodetic Vertical Datum (NGVD).
2. Water Quality Standards. The permittee shall ensure that Class G-II water quality standards will not be exceeded at the boundary of the zone of discharge, per Rule 62-520.420, F.A.C., and that ground water minimum criteria will not be exceeded outside the boundary of the zone of discharge, per Rule 62-701.320(17), F.A.C.
3. Electronic Reporting. Required water quality monitoring reports and all ground water, surface water and leachate analytical results shall be submitted electronically. Water quality monitoring reports shall be submitted in Adobe pdf format. The water quality data

Electronic Data Deliverable (EDD) shall be provided to the Department in an electronic format consistent with requirements for importing the data into the Department's databases. Water quality monitoring reports shall be signed and sealed by a Florida registered professional geologist or professional engineer with experience in hydrogeological investigations and shall include the following:

- a. Cover letter;
- b. Summary of exceedances and sampling problems, if any (e.g., variation from SOP field criteria);
- c. Conclusions and recommendations;
- d. Ground water contour maps;
- e. Chain of custody forms;
- f. Water levels, water elevation table;
- g. Ground Water Monitoring Report Certification, using the appropriate Department form;
- h. Appropriate sampling information on Form FD 9000-24 (DEP-SOP-001/01); and,
- i. Laboratory and Field EDDs and error logs, as applicable.

All submittals in response to this specific condition shall be sent to the District Office and to:

Florida Department of Environmental Protection
Solid Waste Section, MS 4565
2600 Blair Stone Road
Tallahassee, Florida, 32399-2400

4. Water Quality Monitoring Plan. The Water Quality Monitoring Plan for this permit is included in APPENDIX 3.
5. Ground Water Assessment and Corrective Action. The permittee shall perform the ground water assessment and corrective action as required by the Cleanup Agreement Document, OGC File No. 13-1015, and any amendments thereto.

E. Odor Remediation Plan

1. Odor Remediation Plan. The facility shall be operated to control objectionable odors. If objectionable odors are confirmed beyond the property boundary then upon notification by the Department the permittee shall continue to implement the Odor Remediation Plan, APPENDIX 5, in accordance with the requirements of Rule 62-701.530(3)(b), F.A.C.

F. Financial Assurance and Cost Estimates

1. Financial Assurance Mechanism. The permittee shall maintain, in good standing, the financial assurance mechanisms established to demonstrate proof of financial assurance. Support documentation and evidence of inflation adjustment increases shall be submitted within the time frames specified in Rule 62-701.630, F.A.C. All submittals in response to this specific condition shall be sent to:

Florida Department of Environmental Protection
Financial Coordinator - Solid Waste Section
2600 Blair Stone Road, MS 4565
Tallahassee, Florida 32399-2400

2. Annual Cost Estimates. The permittee shall annually adjust the closure cost estimate(s) for inflation using Form 62-701.900(28). Adjustments shall be made in accordance with Rule 62-701.630(4), F.A.C. and, as applicable, 40 CFR Part 264.142(a) and 264.144(a). An owner or operator using a letter of credit, guarantee bond, performance bond, financial test, corporate guarantee, trust fund or insurance shall submit the adjusted cost estimate(s) between January 1 and March 1. An owner or operator using an escrow account shall submit the adjusted estimate(s) between July 1 and September 1. All submittals in response to this specific condition shall be sent to the District Office and a copy to the address identified in Specific Condition F.1. or to the following email address: Financial.Assurance.Working.Group@dep.state.fl.us.

G. Closure Requirements

1. Closure Requirements. All closure construction shall be done in accordance with the approved closure plan and paragraph 62-701.730(9)(b), F.A.C. The Department shall be notified before any changes, other than minor deviations, to the approved closure design are implemented in order to determine whether a permit modification is required.
 - a. Closure shall be completed within 180 days after the last receipt of waste, on or before June 29, 2019.
2. Contingency Plan and Notification of Emergencies. The Permittee shall notify the Department in accordance with the approved Contingency Plan, Section D of the Operation Plan listed in APPENDIX 4. Notification shall be made to the Solid Waste Section of DEP's Northwest District Office at (850) 595-8300.
3. Housekeeping. The facility shall be closed in a manner to control dust, vectors, litter and objectionable odors. If objectionable odors are confirmed beyond the landfill property boundary, the owner or operator shall comply with the odor remediation plan in Section 2, Part E, above.
4. Certification of closure construction completion. After closure construction has been completed, the engineer of record shall certify to the Department on Form 62-701.900(2) that the closure is complete and that it was done in accordance with the plans submitted to the Department except where minor deviation was necessary. All deviations shall be described in detail and the reasons therefore enumerated. The certification of closure completion and final survey report shall be submitted to the Department within 30 days after closing, covering, and seeding the disposal unit, as required by paragraph 62-701.730(9)(e), F.A.C.
5. Declaration to the public. After closing operations are approved by the Department, the facility owner or operator shall file a declaration to the public in the deed records in the

office of the county clerk of the county in which the facility is located, as required by paragraph 62-701.730(9)(g), F.A.C. A certified copy of the declaration shall be filed with the Department.

H. Long-Term Care Requirements

1. Long-Term Care Period. The Permittee shall continue to monitor and maintain the integrity and effectiveness of the final cover as well as other appurtenances of the facility, control erosion, fill subsidences, comply with the ground water monitoring plan and odor remediation plan, if applicable, and maintain the stormwater system, in accordance with the approved closure plan. The long-term care period is scheduled to end five years from the date the disposal facility is certified closed in accordance with paragraph 62-701.730(9)(f), F.A.C. Pursuant to subsection 62-701.730(10), F.A.C., the Long-Term Care period can be extended.
2. Stormwater. Leachate shall not be discharged into the stormwater management system. Stormwater or other surface water which comes into contact with or mixes with the solid waste or leachate shall be considered leachate and is subject to the requirements of Rule 62-701.500(8), F.A.C.

Executed in Pensacola, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Emile D. Hamilton
District Director

Northwest District
160 W. Government Street, Suite 308
Pensacola, Florida 32502-5794
850-595-8300

FILED, on this date, pursuant to Section 120.52, F.S. with the designated Department Clerk, receipt of which is hereby acknowledged.

Clerk

Date

General Conditions

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are “permit conditions” and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.987(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:

- a. Have access to and copy any records that must be kept under conditions of the permit;
 - b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
 - c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules. Reasonable time may depend on the nature of the concern being investigated.
8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
 - a. A description of and cause of noncompliance; and
 - b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages, which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.
9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62- 302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard.
11. This permit is transferable only upon Department approval in accordance with Rules 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the Department approves the transfer.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
13. This permit also constitutes:
 - a. Determination of Best Available Control Technology (BACT)
 - b. Determination of Prevention of Significant Deterioration (PSD)
 - c. Certification of compliance with State Water Quality Standards (Section 401, PL 92-500)
 - d. Compliance with New Source Performance Standards
14. The permittee shall comply with the following:
 - a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
 - b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
 - c. Records of monitoring information shall include:
 - (1) The date, exact place, and time of sampling or measurements;
 - (2) The person responsible for performing the sampling or measurements;
 - (3) The dates analyses were performed;
 - (4) The person responsible for performing the analyses;
 - (5) The analytical techniques or methods used;
 - (6) The results of such analyses.
15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law, which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

APPENDIX 2 –Application Documents

Permit renewal application with fee received on May 13, 2016.

[http://depdms.dep.state.fl.us/Oculus/servlet/shell?command=getEntity&\[guid=8.246476.1\]](http://depdms.dep.state.fl.us/Oculus/servlet/shell?command=getEntity&[guid=8.246476.1])

Request for Additional Information letter issued June 2, 2016.

[http://depdms.dep.state.fl.us/Oculus/servlet/shell?command=getEntity&\[guid=8.247183.1\]](http://depdms.dep.state.fl.us/Oculus/servlet/shell?command=getEntity&[guid=8.247183.1])

Additional information received on June 21, 2016.

[http://depdms.dep.state.fl.us/Oculus/servlet/shell?command=getEntity&\[guid=8.248876.1\]](http://depdms.dep.state.fl.us/Oculus/servlet/shell?command=getEntity&[guid=8.248876.1])

[http://depdms.dep.state.fl.us/Oculus/servlet/shell?command=getEntity&\[guid=8.248877.1\]](http://depdms.dep.state.fl.us/Oculus/servlet/shell?command=getEntity&[guid=8.248877.1])

Permit extension request received February 9, 2018.

[https://depdms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&\[guid=8.273016.1\]&\[profile=Permitting_Authorization\]](https://depdms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&[guid=8.273016.1]&[profile=Permitting_Authorization])

Request for Additional Information letter issued February 27, 2018.

[https://depdms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&\[guid=8.273902.1\]&\[profile=Permitting_Authorization\]](https://depdms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&[guid=8.273902.1]&[profile=Permitting_Authorization])

Additional information received April 9, 2018.

[https://depdms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&\[guid=8.276137.1\]&\[profile=Permitting_Authorization\]](https://depdms.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&[guid=8.276137.1]&[profile=Permitting_Authorization])

Water Quality Monitoring Plan

- A. A facility's zone of discharge shall be determined pursuant to Chapter 62-520, F.A.C. The zone of discharge shall not exceed 100 feet from the edge of those solid waste disposal units permitted to be constructed, unless modified in accordance with Rule 62-520.470, F.A.C. [Rule 62-701.320(18), F.A.C.]
1. The allowable zone of discharge (ZOD) for this facility shall be as follows:
 - a. The horizontal ZOD shall not exceed 100 feet from the edge of the waste disposal units or property line; whichever is closer, as shown in ATTACHMENT 2A.
 - b. The vertical ZOD shall extend from the land surface down to the top of the low permeability zone at approximately 0.0 feet National Geodetic Vertical Datum (NGVD).
- B. Water Quality Standards and Criteria:
1. Compliance with ground water quality standards shall be met at and beyond the edges of the ZOD in accordance with Rule 62-520.420, F.A.C. and as contained in Rule 62-550.310, F.A.C. and Rule 62-550.320, F.A.C.
 2. The minimum ground water criteria specified in Rule 62-520.400, F.A.C., shall apply only outside the permitted zone of discharge, notwithstanding the provisions of Rule 62-520.400 and Rule 62-520.420, F.A.C. However, exceedances of ground water criteria within a permitted zone of discharge shall continue to require evaluation monitoring and prevention measures in accordance with Rule 62-701.510(7), F.A.C. [Rule 62-701.320(17), F.A.C.]
 3. Comply with surface water quality criteria in accordance with Rule 62-302.530, F.A.C.
 4. Compliance with minimum surface water criteria shall be in accordance with Rule 62-302.500, F.A.C.
- C. New or replacement monitoring wells, the permittee shall:
1. Obtain well construction permits from the Northwest Florida Water Management District.
 2. Construct in accordance with the guidelines provided on ATTACHMENT 3.
 3. Submit sieve analysis for each well and use for proper well design.
 4. Provide appropriate well diameter for reliable and representative water quality results.
 5. Ensure each well has an appropriate screen length. [Rule 62-701.510(3) (d) 4, F.A.C.]
 6. Properly develop new wells after installation and after settling.

7. Submit lithologic logs, "as-installed" diagrams and descriptions of well development after installation of new wells.
 8. Submit the latitude and longitude location of each well.
[Rule 62-701.510(3) (d) 1, F.A.C.]
 9. Ensure constructed monitoring wells are lockable and are locked at all times. [Rule 62-701.510(3) (d) 5, F.A.C.]
- D. The location of each water quality sampling locations, in degrees, minutes and seconds (to two decimal places) of latitude and longitude, and the elevation of the top of the well casing to the nearest 0.01 foot, using a consistent, nationally recognized datum, shall be determined by a Florida Licensed Professional Surveyor and Mapper.
[Rule 62-701.510(3) (d) 1, F.A.C.]

The location information shall include the method the data was collected using the following:

Field Name	Also Known As	Description
Object of Interest	Feature	The object the point represents
Relationship of Point to Object of Interest	Proximity	Identifies how close the point is to the actual object of interest.
Collection Method	Method	The method used to collect the point.
Collection Date	Date	The date the point was collected.
Datum		The reference for measuring locations on the earth's surface.

[Rule 62-701.320(7) (f) 7, F.A.C.]

Upon completion of each well, Form 62-701.900(30), Monitoring Well Completion Report, Attachment 4 shall be submitted to the Department to report details of the well construction and location.

[Rule 62-701.510(3) (d) 1, F.A.C. and Rule 62-701.510(4) (c), F.A.C.]

- E. Existing wells not used in the approved monitoring network for collection of samples or water elevation data shall be properly maintained and locked or shall be properly abandoned in accordance with Rule 62-532.500(5), F.A.C.
- F. Any monitoring wells which are abandoned or which will be covered due to lateral expansions of a landfill or the construction of new solid waste disposal units shall be plugged as necessary so that they do not act as a conduit for any leachate release to the ground water. The Department shall be notified in writing before any monitoring wells are abandoned or plugged. The permittee shall obtain appropriate well abandonment permits from the Northwest Florida Water Management District.
[Rule 62-701.510(3) (d) 6, F.A.C. and Rule 62-532.500(5), F.A.C.]

- G. The water-quality monitoring network shall consist of three (3) ground water monitoring wells (1 – background and 2 – compliance) and two (2) surface water monitoring locations. ATTACHMENT 2A graphically represents the water quality network. Use the following designations for ground water, and surface water monitoring identification purposes in all future analysis reports:

Sample Location Name	Designation	Approximate Location		Test Site Number
		Latitude	Longitude	
MW-1	Background	30° 31' 00.374"	86° 10' 25.221"	10870
MW-2R	Compliance	30° 30' 47.226"	86° 10' 27.068"	20260
MW-7	Compliance	30° 30' 51.76"	86° 10' 19.44"	28087
SW-1	Surface Water	30° 30' 51.6"	86° 10' 13.5"	21859
SW-2	Surface Water	30° 30' 46.4"	86° 10' 26.1"	21860

[Rule 62-522, F.A.C., and permit renewal application received on May 3, 2016, and subsequent additional information]

- H. Sample groundwater-monitoring wells semiannually for parameters listed below:

Field Parameters	Laboratory Parameters
pH	Arsenic
Turbidity	Aluminum
Temperature	Boron ¹
Specific Conductivity	Cadmium
Dissolved Oxygen	Chlorides
Water Elevations	Chromium
Colors and Sheens (by observation)	Hydrogen Sulfide
	Iron
	Lead
	Mercury
	Nitrate
	Sodium
	Strontium
	Sulfate
	Sulfides
	Total Ammonia – N
	Total Dissolved Solids
	Xylenes
	Those parameters listed in EPA Methods 601 and 602

¹ The limit for boron compliance will be 5,600 ug/L, per the University of Florida Center for Environmental and Human Toxicology September 7, 2011, letter *Relative source contribution for boron*.

- I. Ground Water Sampling

1. Measure water levels in each monitoring well in a single day.
2. Measure water levels on the sample day and recorded prior to evacuating the wells or collecting samples.
3. At each well site, record water level, top of well casing and land surface elevations at a precision of plus or minus 0.01 feet for each analysis report
4. Prior to sampling, stabilize the field parameters for each well.
5. Use sampling and purging methods in the Standard Operating Procedures, as allowed in Chapter 62-160, F.A.C.

J. Sample all surface water test sites semiannually for the parameters listed below.

Field Parameters	Laboratory Parameters
pH	Biochemical oxygen demand (BOD5)
Turbidity	Boron ¹
Temperature	Chlorophyll A
Specific Conductivity	Chemical Oxygen Demand (COD)
Dissolved Oxygen	Copper
Colors and Sheens (by observation)	Fecal Coliform
	Iron
	Mercury
	Nitrate
	Total Dissolved Solids (TDS)
	Total Hardness (as mg/L CaCO ₃)
	Total Nitrogen
	Total Organic Carbon (TOC)
	Total Phosphorus (as mg/L P)
	Total Suspended Solids (TSS)
	Unionized ammonia
	Zinc
	Those parameters listed in 40 CFR Part 258 Appendix I

¹ The limit for boron compliance will be 1,100 ug/L, per the University of Florida Center for Environmental and Human Toxicology November 4, 2003, letter.

K. Water Sample Analysis

1. Conduct analysis of all samples using approved State and Federal analytical methods with detection limits at or below the maximum allowable concentrations for all parameters, whenever possible.

2. Background water quality shall be sampled and analyzed in accordance with the provisions of Rule 62-701.510(5) (b), F.A.C.
 3. Sample and analyze all background and detection wells at least once prior to permit renewal for those parameters listed in Rule 62-701.510(7) (a), F.A.C.
- L. The owner or operator of a solid waste disposal unit may request a permit modification from the appropriate District Office of the Department to delete specific monitoring parameters or field parameters from routine analysis of detection or compliance wells and surface water. The Department will grant such modification upon a demonstration that these parameters are not reasonably expected to be in or derived from the waste contained in the unit, or are not reasonably expected to be detected in the ground water as a result of the operations of the facility.
[Rule 62-701.510(5), F.A.C.]

M. Water Quality Reporting

1. Report all representative water quality monitoring results to the Department within 60 days from completion of laboratory analysis. In accordance with Rule 62-160.240(3), F.A.C. and Rule 62-160.340(4), F.A.C., water quality data contained in the report shall be provided to the Department in an electronic format consistent with requirements for importing into Department databases [See Paragraph P]. The owner or operator shall include DEP Form 62-701.900(31), Water Quality Monitoring Certification provided as ATTACHMENT 5. The operator of the landfill shall notify the Department at least 14 days before the sampling is scheduled to occur so that the Department may collect split samples.
[Rule 62-701.510(8) (a), F.A.C.]

The results of each set of semiannual water quality analysis shall be submitted separately, no later than First day of April and First day of October each year.

The report shall include but not be limited to the following:

- a. The facility name and identification number, sample collection dates, and analysis dates;
- b. All analytical results, including all peaks even if below maximum contaminant levels;
- c. Identification number and designation of all surface water and ground water monitoring points;
- d. Applicable water quality standards;
- e. Quality assurance, quality control notations;
- f. Method detection limits;
- g. Water levels recorded prior to evaluating wells or sample collection. Elevation reference shall include the top of the well casing and land surface at each well site at a precision of plus or minus 0.01 foot (using a consistent, nationally recognized datum);
- h. An updated ground water table contour map signed and sealed by a professional geologist or professional engineer with experience in hydrogeologic investigations, with

contours at no greater than one-foot intervals unless site-specific conditions dictate otherwise, which indicates ground water elevations and flow direction; and
i. A summary of any water quality standards or criteria that are exceeded.

2. Submit the latitude and longitude location for each monitoring well with the semiannual water quality analysis results.
[Rule 62-701.510(3) (d) 1, F.A.C.]
3. Provide one unlocked electronic copy. The electronic copy should be one electronic file in Adobe Acrobat format. A hard copy may also be submitted.

N. Electronic Submission of Water Quality Analysis

1. Submit the results of each set of water quality analysis electronically on compact disc media readable by a Microsoft Windows computer.

Send all submittals in response to this requirement to:

Florida Department of Environmental Protection
Northwest District Office
Solid Waste Section
160 W. Government Street, Suite 308
Pensacola, Florida 32502

And to:

Florida Department of Environmental Protection
Bob Martinez Center
Solid Waste Section
2600 Blair Stone Road
MS 4565
Tallahassee, Florida, 32399-2400

The data shall be evaluated using ADaPT to conduct data quality review and compliance checking. The owner or operator shall include DEP Form 62-701.900(31), Water Quality Monitoring Certification provided as Attachment 5 with each report certifying that the laboratory results have been reviewed and approved by the owner or operator. To download the appropriate version of the ADaPT software for data entry and submittals and for other general information related to the use of ADaPT, go to the DEP's web site at:

<https://floridadep.gov/waste/waste/content/adapt>

The ADaPT water quality analysis shall be submitted electronically on compact disc media readable by a Microsoft Windows computer. Electronic laboratory data must be submitted in a specific format called an Electronic Data Deliverable (EDD). The submittal shall also include Chain of Custody sheets, field data sheets (Form FD 9000-24 provided as

Attachment 6), groundwater contour maps, water elevation table, summary of exceedances, recommendations, and the Groundwater Monitoring Report Certification. The Department will use ADaPT to conduct data quality review and compliance checking.

[Rule 62-160.240(3), F.A.C. and Rule 62-160.340(4), F.A.C.]

2. The following data fields must be present in the data:

Analytical Method	Analytical Result
Analytical Result Units	Appropriate Data Qualifiers (as listed in Chapter 62-160, F.A.C.)
Date of Analysis	Date of Preparation (if applicable)
Date of Sampling	Detection Limit of the Analysis
DOH Certification Number of the Laboratory	Facility Identification Number
Matrix (Aqueous, Drinking Water, Saline/Estuarine, or Solids)	Parameter Name (Name of the Compound Analyzed for/Test Performed)
	Test site ID

3. If documents require a professional certification, submit original signed and sealed paper documents unless a specific law or rule allows an electronic signature.

[Rule 62-701.510(5), F.A.C. and Rules 62-701.510(7) (a), (b) and (c), F.A.C.]

- O. If at any time it is determined that any well in the routine monitoring system is not functioning properly and is not providing representative water quality samples, the owner or operator shall have the wells evaluated, redeveloped, or replaced such that representative samples will be obtained during the next required routine sampling event.

Any well requiring redevelopment should be surged with formation water or a surge block, only. Consider replacing wells, which still produce sediment and high turbidity. Evaluate wells with high turbidity using the procedures called for in Rule 62-520.300(9), F.A.C.

Design, install and complete any well requiring replacement in accordance with the suggested practices of document ASTM D5092.

[Rule 62-701.510, F.A.C. and Rule 62-522, F.A.C.]

- P. Evaluation monitoring, prevention measures and corrective action

1. Evaluation Monitoring. If monitoring parameters are detected in detection wells in concentrations that are significantly above background water quality, or that are at levels above the Department's water quality standards or criteria specified in Chapter 62-520,

F.A.C., the owner or operator may resample the wells within 30 days after the sampling data is received, to confirm the data. Should the owner or operator choose not to resample, the Department will consider the water quality analysis as representative of current ground water conditions at the facility. If the data is confirmed, or if the owner or operator chooses not to resample, the owner or operator shall notify the Department in writing within 14 days of this finding. Upon notification by the Department, the owner or operator shall initiate evaluation monitoring in accordance with Rule 62-701.510(6) (a), F.A.C.

2. If the parameters detected in the detection wells identified in Rule 62-701.510(6) (a), F.A.C., consist only of iron, aluminum, manganese, sulfates, or total dissolved solids (TDS), either individually or in any combination, then only the detected parameters are required to be monitored in the representative background wells, affected detection wells and downgradient compliance wells required in this section rather than the parameters listed in Rule 62-701.510(7) (a), F.A.C. and Rule 62-701.510(7) (c), F.A.C. However, if the facility is unlined, the parameters specified in Rule 62-701.510(7) (a), F.A.C. shall also be analyzed for in the initial sampling event for the affected detection wells and downgradient compliance wells.
3. Corrective actions. If any contaminants are detected and confirmed in compliance wells in concentrations that exceed both background levels and Department water quality standards or criteria, the owner or operator shall notify the Department within 14 days of this finding and shall initiate corrective actions. Evaluation monitoring shall continue according to the requirements of Rule 62-701.510(6) (a), F.A.C.

The owner or operator shall initiate and complete corrective actions in accordance with Chapter 62-780, F.A.C. within the manner and timeframes specified therein and provide a site assessment report (SAR) in accordance with Rule 62-780.600, F.A.C. that meets the objectives of said Rule within the manner and timeframes specified therein.

- Q. All water quality monitoring required by this permit shall be in accordance with Rules 62-520.300, F.A.C. and Rule 62-4.246, F.A.C., and shall be carried out under the requirements of DEP-SOP-001/01 FS 2000 or applicable Standard Operating Procedures (SOPs) in accordance with Chapter 62-160, F.A.C.
- R. A technical report, signed and sealed by a professional geologist or professional engineer with experience in hydrogeologic investigations, shall be submitted to the Department every two and one-half years during the active life of the facility. The report shall summarize and interpret the water quality monitoring results and water level measurements collected during the past two and one-half years. The report shall contain, at a minimum, the following:
 1. Tabular displays of any data which shows that a monitoring parameter has been detected, and graphical displays of any leachate key indicator parameters detected (such as pH, specific conductance, TDS, TOC, sulfate, chloride, sodium and iron), including hydrographs for all monitor wells;
 2. Trend analysis of any monitoring parameters consistently detected;
 3. Comparisons among shallow, middle, and deep zone wells;

4. Comparisons between background water quality and the water quality in detection and compliance wells;
5. Correlations between related parameters such as total dissolved solids and specific conductance;
6. Discussion of erratic and/or poorly correlated data;
7. An interpretation of the ground water contour maps, including an evaluation of ground water flow rates; and
8. An evaluation of the adequacy of the water quality monitoring frequency and sampling locations based upon site conditions.

Submit the technical report separately, no later than April 1, 2018, and every two and one-half years thereafter.

Provide one unlocked electronic copy. The electronic copy should be one electronic file in Adobe Acrobat format. A hard copy may also be submitted.

[Rule 62-701.510(8) (b), F.A.C.]

Send all submittals in response to this requirement to:

Florida Department of Environmental Protection
Northwest District Office
Solid Waste Section
160 W. Government Street, Suite 308
Pensacola, Florida 32502

- S. All field and laboratory records specified in Rule 62-160.600, F.A.C. and Rule 62-160.630, F.A.C., shall be made available to the Department and be retained for the design period of the landfill.

[Rule 62-701.510(8) (c), F.A.C.]

DRAFT OPERATION & CLOSURE PLAN

Freeport Construction & Demolition Debris Disposal Facility Freeport, Florida 32114

Permit No. 0002049-012-SO
WACS No. 15091

Prepared For:

Waste Pro Freeport, LLC
P.O. Box 917209
Longwood, Florida 32791



Prepared by:



February 9, 2018

SECTION B
EMERGENCY RESPONSE
Chapter 62-701.320(16) F.A.C.

The following Contingency Plan is appropriate to cover **operational interruptions and emergencies** such as **fires, explosions, or natural disasters**.

Persons Responsible for Implementing – Emergency response procedures will be implemented by the trained operator(s) and/or spotter(s) on duty at the facility at all times that the facility is operating.

Sufficient Equipment – The facility shall have sufficient equipment or sufficient reserve equipment (or obtain additional rental equipment within 24 hours of equipment breakdown or equipment from an alternate facility) to implement the contingency plan, including equipment for excavating, spreading, compacting, and covering waste. The facility shall have sufficient communications equipment for emergency and routine communications, and fire protection and fire-fighting capabilities adequate to control accidental burning of solid waste at the facility.

Notification Procedures – In the event of operational interruptions and emergencies such as fires, explosions, or natural disasters, the following parties will be notified as necessary:

Walton County Emergency Response – **911** or **(850) 892-6162**
City of Freeport Fire Rescue – **(850) 835-2192**
FDEP Northwest District Office – **(850) 595-8300**
Customers - **refer to customer list**

Fire and Explosion Procedures – In the case of a fire within the waste pile at a solid waste management facility, all reasonable efforts shall be made to immediately extinguish or control the fire by smothering with soil using appropriate heavy equipment. If the fire cannot be extinguished or controlled within 48 hours, the operator shall notify the local fire protection agency and seek its assistance, and shall also notify the local government and any neighbors by phone or site visit, that are likely to be affected by the fire. The facility will cease accepting waste for disposal in those areas of the facility impacted by the fire. Facility personnel may also use the nearest ABC rated fire extinguisher located either in the office or on each piece of heavy equipment.

Standard site operations for reducing the risk of a fire event include:

- Ensuring adequate cover on side slopes
- Applying weekly intermediate soil cover
- Compact waste adequately (at least 2:1 compaction ratio)
- Minimize liquids in the disposal area

If a subsurface fire is detected at the facility, the following actions shall be performed:

- Dedicate on-site personnel and equipment exclusively for the purpose of fire control and prevention until burning is extinguished.
- Compact and cover all suspected heat source areas.
- Retain a Professional Engineer licensed in the State of Florida that specializes in the operation of solid waste facilities, including extinguishing of burning at such facilities, to assist in extinguishing the burning until burning is extinguished.
- Maintain the working face as small as operations will allow.

From the day that a fire is discovered in the disposal area until confirmation of extinguishment, trained personnel shall conduct a daily initial assessment of the entire disposal facility prior to accepting waste and a daily final assessment of the entire disposal facility after the close of each working day. During daily assessments the landfill will be inspected for areas of thinning soil cover, subsidence, signs of fire, smoke, discolored cover material and stressed vegetation. While the site is receiving waste, trained personnel continuously monitor the disposal area by visual inspection. All irregularities are reported immediately to Waste Pro management.

Natural Disasters – Upon warning or occurrence of a natural disaster (severe storm, hurricane, etc.), the operator or alternate personnel will close the facility and lock the gate. As is practical all heavy equipment will be filled with fuel and moved to high ground for recovery after the hurricane has passed. The first priority will be security of personnel and their families. Should the need for emergency or contingency operations arise, the operator will follow implement Notification Procedures described above.

SECTION C

TRAINING PLAN

Chapter 62-701.320(15) F.A.C.

All operators employed at the facility must be properly trained to operate the facility. All spotters must be properly trained to identify and properly manage any unauthorized waste which is inadvertently received at the facility.

Training Plan – Training for Operators and Spotters will be performed through the University of Florida's TREEO Center in accordance with the regularly published schedule available online at: <http://xms.dce.ufl.edu/reg/groups/treeo>.

Requirements – The training plan, along with records documenting how the training plan is being implemented, shall be kept at the facility at all times and be made available for inspection by Department staff.

In order to be considered trained, operators shall complete 24 hours of initial training, and shall pass an examination as part of that training. Within three (3) years after passing the examination, and every three (3) years thereafter, operators shall complete an additional 16 hours of continued training.

In order to be considered trained, spotters shall complete eight (8) hours of initial training at courses described in the facility's operating plan. Within three (3) years after attending the initial training, and every three (3) years thereafter, spotters shall complete an additional four (4) hours of continued training.

Definitions – The following definitions are from Chapter 62-701 F.A.C.

"Operator" means any person, including the owner, who is principally engaged in, and is in charge of, the actual operation, supervision, and maintenance of a solid waste management facility and includes the on-site person in charge of a shift or period of operation during any part of the day, such as facility managers, supervisors and equipment operators. It does not include office personnel, laborers, equipment operators not in a supervisory capacity, transporters, corporate directors, elected officials, or other persons in managerial roles unless such persons are directly involved in on-site supervision or operation of a solid waste management facility. A trained operator may perform the duties of a trained spotter.

"Interim operator" means a person who has, in the opinion of the facility manager, shown competency in his chosen occupation through a combination of work experience, education and training and who has at least one year of experience at that facility or a similar facility. An interim operator must become a trained operator within one year of employment as an interim operator.

"Spotter" means a person employed at a solid waste management facility whose job it is to inspect incoming waste and to identify and properly manage any unauthorized waste that is received at the facility.

"Interim spotter" means a person who has, in the opinion of the facility manager, shown competency in his chosen occupation through a combination of work experience, education and training. An interim spotter must become a trained spotter or trained operator within three months of employment as an interim spotter.

SECTION D CLOSURE PLAN

Chapter 62-701.730(9&10) F.A.C.

Closure Requirements – At least 90 days prior to the date when wastes will no longer be accepted, the owner or operator of the C&D debris disposal facility shall submit an updated closure plan to the Department to reflect any changes in the closure plan due to actual operational conditions at the facility. As of the date of this permit extension application, Waste Pro has ceased accepting outside (non Waste Pro) waste and only accepts C&D loads from Waste Pro vehicles. The anticipated incoming waste volume is 600 cubic yards of C&D per 8 hour day. A topographic survey of the disposal area was performed on January 26, 2018 and submitted to FDEP with this permit extension application as well as the remaining useful life calculation based on the current top of waste elevation. Based on this calculation, the Facility will continue to perform normal disposal operations, as described herein, concurrently with closure preparation. Facility staff will prioritize waste handling and disposal operations, described in Section A and Attachment 1, over closure activities to ensure compliance with Permit and F.A.C. requirements. Closure activities will consist of: dressing side slopes; applying intermediate cover; applying final cover; applying vegetation; backfilling unused ingress/egress routes; and installing the stormwater management system.

If unforeseen circumstances do not allow the notification within 90 days prior to ceasing to receive wastes, then notice shall be provided as soon as the need to close the facility becomes apparent. The updated and approved closure plan shall be incorporated into and made part of the permit.

Final Cover – Final cover and seeding or planting of vegetative cover shall be placed on each disposal unit within 180 days after it has reached its final grade or ceased receiving wastes. Final cover shall consist of a 24-inch-thick soil layer, the upper six inches of which shall be capable of supporting vegetation, and shall be graded and compacted as necessary to eliminate ponding, promote drainage, and minimize erosion. The side slopes of all above-grade disposal units shall be no greater than three (3) feet horizontal to one (1) foot vertical rise. The final cover shall be vegetated to control erosion. Disposal units that are aboveground shall be designed to control the flow of storm water, such as building reverse sloping benches or terraces into the side slopes of the disposal units and shall contain down slope drainage ways with water flow energy dissipaters unless reasonable assurance is provided that adequate erosion control will be achieved in the absence of such measures.

Placement of final cover may be delayed if additional waste will be deposited on the disposal unit within five years, but only if the disposal unit is temporarily closed in accordance with an approved closure plan. Conditions of temporary closure shall include:

1. The disposal unit was constructed in compliance with its permit conditions;
2. A schedule for temporary and final closure is shown in the closure plan;
3. Final cover is installed on side slopes of each completed disposal unit which will not receive additional waste;
4. Odors and runoff are controlled;
5. The closure cost estimate takes into account the costs of temporary closure as well as the costs of the final closure; and
6. An intermediate cover is installed on the disposal unit within 30 days after the unit stops accepting waste. The intermediate cover may be removed before placing additional waste or installing final cover.

Stormwater Management – Prior to submission of Closure Certification the approved stormwater management system will be constructed in substantial accordance with the approved construction

drawings, dated June 29, 2015. Upon completion of construction, a topographic survey of the stormwater management area will be performed and submit to FDEP as part of the Closure Certification.

Closure Certification – The owner or operator shall provide a certification of closure construction completion to the Department within 30 days after closing, covering, and seeding the disposal unit. The owner or operator shall also provide a final survey report done by a professional surveyor, in accordance with paragraph 62-701.600(6)(b), F.A.C., if disposal operations have raised the final elevations higher than 20 feet above the natural land surface. Upon receipt and approval of the closure certification documents, the Department shall, within 30 days, acknowledge by letter that notice of termination of operations and closing of the facility has been received. The date of this letter shall be the official date of closing for the purpose of determining the long-term care period, in accordance with subsection 62-701.600(8), F.A.C.

Declaration to the Public – After closing operations are approved by the Department, the facility owner or operator shall file a declaration to the public in the deed records in the office of the county clerk of the county in which the facility is located. The declaration shall include a legal description of the property on which the facility is located and a site plan specifying the area actually filled with construction and demolition debris. The declaration shall also include a notice that any future owner or user of the site should consult with the Department prior to planning or initiating any activity involving the disturbance of the facility's cover, monitoring system or other control structures. A certified copy of the declaration shall be filed with the Department.

Long-Term Care – The owner or operator of the construction and demolition debris disposal facility shall continue to monitor and maintain the integrity and effectiveness of the final cover as well as other appurtenances of the facility, control erosion, fill subsidence, comply with the ground water monitoring plan, and maintain the storm water system pursuant to a Department permit for five (5) years from the date of closing.

Before the expiration of the long-term care monitoring and maintenance period, the Department may extend the time period if the ground water monitoring system indicates that the facility continues to impact ground water at concentrations which may be expected to result in violations of Department water quality standards or criteria; if site-specific conditions make it likely that any contamination which may emanate from the disposal area would not be detected within 5 years; if the final cover does not have well established vegetation or is showing signs of continuing significant erosion problems; or if the permittee has not performed all required monitoring or maintenance.

Disposal Limits – If it is discovered that the facility has inadvertently disposed of solid waste outside of its permitted dimensions, the owner or operator shall notify the Department within three working days of this discovery. If all waste is not relocated within the permitted dimensions of the facility within 30 days of discovery, upon order of the Department the facility shall not accept any waste until the facility is in compliance with its permitted dimensions (pursuant to Rule 62-701.730(18), F.A.C.).

ATTACHMENT 1

Odor Remediation Plan – The facility shall be operated to control objectionable odors in accordance with subsection 62-296.320(2), F.A.C.

ODOR REMEDIATION PLAN

**Freeport Construction & Demolition Debris
Disposal Facility
Freeport, Florida 32114**

Permit No. 0002049-006-SO

WACS No. 15091

Prepared for:

Waste Pro Freeport, LLC
P.O. Box 91709
Longwood, Florida 32791



Prepared by:



January 12, 2018

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Appendix A – Complaint Remedial Action Report Template

Appendix B – Community Contact Flyer

1 Introduction

Nelson Engineering Company, on behalf of Waste Pro Freeport, LLC submits this Odor Remediation Plan to the Florida Department of Environmental Protection (FDEP) in response to objectionable odor complaints submitted by the public and FDEP inspections concerning the Freeport Construction and Demolition Debris (C&D) Disposal Facility. This Odor Remediation Plan sets forth best management practices (BMP), inspection protocols, complaint response procedures, and reporting schedules. The intent of this plan is to reduce and eliminate the progression of objectionable odors offsite to the greatest extent possible; create open communication with the surrounding public; institute a response protocol for odor complaints; and record actions taken. This ORP is included as Attachment 1 to the updated Operation and Closure Plan.

2 Background

2.1 Site Conditions

Waste Pro Freeport, LLC has owned and operated the Freeport C&D Disposal Facility since first acquiring it in April 2011 as an existing disposal facility, first permitted November 20, 1989. The C&D landfill is located in Sections 8, Township 1 South, Range 19 West with an approximate latitude of 30° 30' 40.47" North and longitude of 86° 10' 17.77" West.

The active Freeport C&D landfill currently encompasses 35.3 acres, of which 21.4 acres is permitted as waste disposal area. The current permitted design height is 165 feet (NAVD 88). Waste Pro, Freeport, LLC accepts C&D debris from Freeport, Walton County, and surrounding areas.

The Freeport C&D Disposal Facility is located within a sparsely populated area of unincorporated Walton County, just west of Freeport. The surrounding Walton County zoning designations, immediately adjacent to the Facility, consist of Institutional (North – Eglin AFB), Industrial (West and East), Rural Village (South) and General Commercial (Southeast). Land use in the immediate vicinity consists of undeveloped Eglin AFB property to the North; cleared timber and mining to the West and East; mining and grading operation to the Southwest; an inactive landfill and active recycling facility to the South; and mobile home park to the Southeast. The closest residential area to the southeast of the facility is approximately 2,000 from the disposal area.

2.2 Regulatory Basis

The following Florida Administrative Code (F.A.C.) sections apply to objectionable odors:

- Rule 62-210.200(220): An objectionable odor is any odor present in the outdoor atmosphere, which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance.
- Rule 62-296.320(2): Objectionable Odor Prohibited – No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor.
- Rule 62-701.530(3)(b): Odor remediation plan. The facility shall be operated to control objectionable odors in accordance with subsection 62-296.320(2), F.A.C. After being

notified by the Department that objectionable odors have been confirmed beyond the landfill property boundary, the owner or operator shall:

1. Immediately take steps to reduce the objectionable odors. Such steps may include applying or increasing initial cover, reducing the size of the working face, and ceasing operations in the areas where odors have been detected;
 2. Submit to the Department for approval an odor remediation plan for the gas releases. The plan shall describe the nature and extent of the problem and the proposed long-term remedy. The remedy shall be initiated within 30 days of approval.
 3. Implement a routine odor monitoring program to determine the timing and extent of any off-site odors, and to evaluate the effectiveness of the odor remediation plan.
- Rule 62-701.730(7)(e): The facility shall be operated to control objectionable odors in accordance with subsection 62-296.320(2), F.A.C. If objectionable odors are detected off-site, the owner or operator shall comply with the requirements of paragraph 62-701.530(3)(b), F.A.C.

The following Solid Waste Permit Conditions apply to objectionable odors:

- Specific Condition 3.3, Part E: The permittee shall operate the facility with a small working face, apply weekly cover to minimize waste/stormwater interaction, control odors and minimize fire potential, and maintain the working face at a three feet horizontal to one-foot vertical rise during the life of the facility.
- Specific Condition 3.3, Part S(2)(c), which is a restatement of Rule 62-296.320(2), F.A.C.
- Specific Condition 3.5, Part C, which is a restatement of Rule 62-701.730(7)(e), F.A.C.
- Specific Condition 3.5, Part C(1), which is a restatement of Rule 62-296.320(2), F.A.C.
- Specific Condition 3.5, Part C(1)(a), which is a restatement of the definition of Objectionable Odor by Rule 62-210.200(220), F.A.C.
- Specific Condition 3.5, Part C(2), which is a restatement of Rule 62-701.530(3)(b), F.A.C.

2.3 Hydrogen Sulfide Characteristics

Objectionable odors at C&D disposal facilities are largely due to Hydrogen Sulfide. Hydrogen Sulfide (H_2S) is a colorless gas with a strong odor of rotten eggs. H_2S can be recognized by the sense of smell at low concentrations. The threshold for detection by the human olfactory (sense of smell) is 0.13 parts per million (ppm). H_2S is faint but readily perceptible at 0.77 ppm, easily noticeable at 4.6 ppm, and strong and unpleasant at 27 ppm. The human olfactory sense can be fatigued and cease to perceive the gas within 2 to 15 minutes at H_2S levels of 100 ppm. (OHGHS)

Anthropogenic (man-made) sources of H_2S can be found in solid waste disposal facilities. H_2S gas is slightly heavier than air and may accumulate in enclosed, poorly ventilated, and low-lying

areas. H₂S is primarily formed in landfills through the reduction of sulfate (SO₄²⁻). Sulfate-reducing bacteria (SRB) causing Sulfate reduction to H₂S are commonly observed in groundwater. The primary source of sulfate in landfills is gypsum wallboard. Factors that contribute to the production of H₂S in landfills include Sulfate sources, moisture (provides medium for SRB growth), organic matter (substrate for SRB utilization), anaerobic conditions, pH conditions ranging from 6 to 9, and temperature. The paper backing on drywall is sufficient to sustain a viable community of SRB that can produce H₂S. (BMP/EPA)

3 Facility Odor History

Since taking ownership, Waste Pro has operated and maintained the Facility in substantial compliance with the Solid Waste Permit, Florida Administrative Code and best management practices. Based on review of the past seven (7) years of FDEP Inspection Checklists as well as personal accounts from facility staff, the facility had no history of odor related complaints until recently. The below timeline offers a history of odor related events at the Facility as expressed in the FDEP Inspection Checklists:

- January 18 and 26, 2017: FDEP Inspector Mike Stephen responded to an odor complaint and noted “odor was detected along Highway 20 south of the Waste Pro Freeport C&D Debris Disposal Facility. Both times, the wind was out of the north which indicates that the odor was coming from the Waste Pro facility.” The inspection report further indicated hydrogen sulfide odors at the Facility and exposed debris in the disposal area.
- February 16, 2017: FDEP Inspector, Mike Stephen, conducted a follow up inspection, and “did not detect any off-site odors;” however, noted “strong H₂S odor on the eastern and northeastern end of the disposal area near the top.
- March 15, 2017: FDEP Inspector, Mike Stephen, conducted a routine, follow-up inspection and “did detect a very slight hydrogen sulfide odor” along the right of way of Highway 20, “but it was difficult determining if it was coming from Waste Pro Freeport. A “very strong hydrogen sulfide odor on top and near the north/northeast corner of the facility” was detected.
- April 13, 2017: FDEP Inspector Mike Stephen responded to an odor complaint and no offsite odor was detected. Onsite “there was a fairly strong odor on top of the facility but not as bad as it has been in the past.” The inspection also noted “a significant amount of dirt covering the waste in most areas.”
- October 17, 2017: FDEP Inspectors Mike Stephen and Dawn Templin conducted a follow-up inspection and noted “the smell of hydrogen sulfide was very strong on top of the facility.”
- November 7, 2017: FDEP Inspector Mike Stephen responded to an odor complaint and noted “the odor (h₂s) on top was very strong,” but offsite odors were not detected
- November 21, 2017: FDEP Inspectors Mike Stephen, Elizabeth Orr, and Brad Hartshorn conducted a follow-up inspection and noted “objectionable offsite odor from Waste Pro Freeport C&D were detected at the Goodwin Creek Bridge on Highway 20.”

As of the date of this report, Waste Pro has completely covered the disposal area, except for a small working face area. Facility staff will continue to apply weekly cover as required by Solid

Waste Permit. Upon receipt of each odor complaint, Waste Pro responded by conducting a site inspection and applying cover material if odor was confirmed.

Based on review of the historical site information, there does not appear to be a systemic odor problem with the facility. The site inspection data suggests a localized odor issue that is most likely caused by a high concentration of gypsum wallboard within the northeast area of the disposal facility.

4 Odor Remediation BMP

Waste Pro will implement the following BMPs to remediate objectionable odors at the Freeport Facility:

1. Maintain weekly cover and as small a working face as practicable pursuant to Waste Pro's Permitted Operations Plan to limit stormwater intrusion and gas release.
2. Prohibit disposal of dedicated loads of gypsum wallboard to reduce sources of sulfate.
3. Conduct daily olfactory surveys of the site. Record results in the Daily Monitoring Report, which will be kept in a field notebook on-site and provided to FDEP upon request.
4. Respond to objectionable odors according to **Section 5**.

4.1 Daily Inspections

Facility staff shall conduct a daily olfactory survey of the facility in the morning and evening of each work day. Waste Pro shall retain records onsite of the Daily Monitoring Reports that record the results of the daily olfactory survey of the site by facility personnel. All records will be made available to FDEP for review upon request. The Daily Monitoring Report will be collected in a designated field notebook. During normal operations, facility staff will record:

- Date, time, and inspector name (first and last)
- Temperature, wind direction, wind speed, and humidity
- Description of inspection procedure, findings, notifications, corrective actions taken

Refer to **Section 5** for verification and response procedures.

5 Objectionable Odor Verification and Response

5.1 Legitimate Complaints

Odor complaints received by the public will be considered "legitimate" if the complainant provides their name, address, phone number and a description of the complaint and location.

During normal business hours (Monday through Friday, 7:00am to 5:00pm): Waste Pro will respond as soon as possible and within two (2) hours by inspecting the facility and conducting an olfactory survey.

During non-business hours (Sunday and Monday through Thursday after 5pm): Waste Pro will respond at start of business the next business day by inspecting the facility and conducting an olfactory survey.

During non-business hours (Friday after 5pm and Saturday): Waste Pro will respond at start of business Monday by inspecting the facility and conducting an olfactory survey

In all cases of a Legitimate Complaint, Waste Pro will request a joint inspection of the facility with a FDEP representative and the complainant by inspecting the facility and conducting an olfactory survey. Waste Pro will conduct the inspection within the specified timeframes with or without a FDEP representative or the complainant.

Upon objectionable odor verification, Waste Pro shall apply a sufficient quantity and type of additional cover material and compact the suspect areas. Legitimate complaints, remedial actions taken and their effectiveness will be recorded on the Complaint Remedial Action Report included as **Appendix A** and submitted to FDEP as described in **Section 6**.

5.2 Anonymous Complaints

Odor complaints received by the public will be considered “anonymous” if the complainant does not provide their name, address, phone number and a description of the complaint and location. Waste Pro will respond to anonymous complaints by conducting an olfactory survey of the entire site. No remedial actions will be taken if the objectionable odor is not verified by facility personnel. Upon objectionable odor verification, Waste Pro shall apply a sufficient quantity and type of additional cover material and compact the suspect areas. Anonymous complaints, remedial actions taken, and their effectiveness will be recorded on the Complaint Remedial Action Report included as **Appendix A** and submitted to FDEP as described in **Section 6**.

5.3 Waste Pro Discovered Odors

Waste Pro will respond to objectionable odors discovered by facility personnel by applying sufficient quantity and type of additional cover material and compacting the suspect area. Waste Pro discovered odors, remedial actions taken; and their effectiveness will be recorded on the Daily Monitoring Reports.

6 Reporting

Monthly reporting will consist of a summary and compilation report of the Complaint Remedial Action Report(s) and summary of mitigation actions. If complaints are received during the monthly reporting period, the results of the Complaint Remedial Action Report as specified **Appendix A** will be included in the Monthly Report submitted to FDEP. The Monthly Report will be submitted to FDEP as described in this section by the 7th day of every month **and will continue until the Facility is certified closed**.

Waste Pro shall retain records onsite of the Daily Monitoring Reports that record the results of the daily olfactory survey of the site by facility personnel. All records will be made available to FDEP for review upon request. The Daily Monitoring Report will be collected in a designated field notebook. During normal operations, facility staff will record: date, time, inspector name (first and last), temperature, wind direction and speed, humidity, description of inspection procedure, findings, notifications, and corrective actions taken.

Waste Pro shall also maintain a copy of any Complaint Remedial Action Reports. A copy of the Complaint Remedial Action Reports shall be sent to the complainant recorded on the report in a manner of their choosing including email, mail, and/or fax.

7 Resolution

This Odor Remediation Plan will be implemented within 30 calendar days of approval by FDEP and will remain in effect until the Facility is certified closed. If legitimate complaints, confirmed by the Complaint Remedial Action Reports, continue into closure, Waste Pro will modify the Odor Remediation Plan to initiate additional provisions for odor control. At the termination of this Odor Remediation Plan, the FDEP approved Closure Plan, Section D and Odor Remediation Plan Attachment 1, dated June 29, 2015 will govern.

8 Community Inclusion

The health and safety of the surrounding environment and public is paramount to Waste Pro's operation. Waste Pro is dedicated to promptly remediating any objectionable odor that is affecting the surrounding public and will initiate open communication. Any person may contact Waste Pro to address concerns and provide feedback to improve Waste Pro's response to the concerns of the public.

Waste Pro will distribute the Community Contact Flyer included as **Appendix B** to the surrounding residences and businesses to initiate an open line of communication.

9 References

- *Occupational Health Guideline for Hydrogen Sulfide* - U.S. Department of Health and Human Services, Center for Disease Control, 1978. (OHGHS)
- *Best Management Practices to Prevent and Control Hydrogen Sulfide and Reduced Sulfur Compound Emissions at Landfills that Dispose of Gypsum Drywall*. – United States Environmental Protection Agency, 2014. (BMP/EPA)

APPENDIX A
Complaint Remedial Action Report Template

Complaint Remedial Action Report

Waste Pro Freeport C&D Disposal Facility Odor Inspection
Freeport, Florida 32114
FDEP Permit No. 0002049-006-SO

Date Complaint Received:

Facility Personnel Receiving Complaint:

Complainant Name:

Complainant Address:

Complainant Phone Number:

Complaint Description:

Weather Information during Date of Complaint Odor Event:

Temperature (°F): Wind Direction: Wind Speed (mph): Skies:

Joint Facility Inspection Scheduled (FDEP and Complainant Invited?):

Inspection Attendees:

Weather Information during Date of Joint Inspection:

Temperature (°F): Wind Direction: Wind Speed (mph): Skies:

Inspection Results:

Remedial Actions:

Follow up Olfactory Survey Results:

Follow up with Complainant Description:



APPENDIX B
Community Contact Flyer

Waste Pro Freeport C&D Disposal Facility

Contact Information

Greetings from your local Waste Pro facility where caring for our communities is our first priority. Our Freeport Facility is located north of Highway 20, just west of W. Bay Loop Road intersection near Freeport, FL and accepts construction and demolition debris for disposal. If you have any concerns regarding this facility please contact our local facility personnel to inquire about our operations and provide feedback. We maintain a constant open line of communication with our communities and will respond to all serious inquiries promptly and professionally.

Primary Contact: Mark Cannady

Title: Manager

Phone Number: 850-230-2977

Email: mcannady@wasteprousa.com

Fax: 850-230-1335

Secondary Contact: Ralph Mills

Title: Regional Vice President

Phone Number: 407-869-8800

Email: rmills@wasteprousa.com

Fax: 407-869-8884



Time Sensitive Action Chart for Solid Waste Reports

If any of the time deadlines in the Time Sensitive Action Chart are inconsistent with the time deadlines in the permit conditions, the time deadline in the permit condition shall be followed.

2016

October 1, 2016 Semiannual Water Quality Monitoring Report (ADaPT)

2017

February 1, 2017 Annual Report for C&D Facilities
March 1, 2017 Inflation Adjusted Cost Estimate Form
April 1, 2017 Semiannual Water Quality Monitoring Report (ADaPT)
October 1, 2017 Semiannual Water Quality Monitoring Report (ADaPT)

2018

February 1, 2018 Annual Report for C&D Facilities
March 1, 2018 Inflation Adjusted Cost Estimate Form
April 1, 2018 Semiannual Water Quality Monitoring Report (ADaPT)
April 1, 2018 Water Quality Technical Report
October 1, 2018 Semiannual Water Quality Monitoring Report (ADaPT)

2019

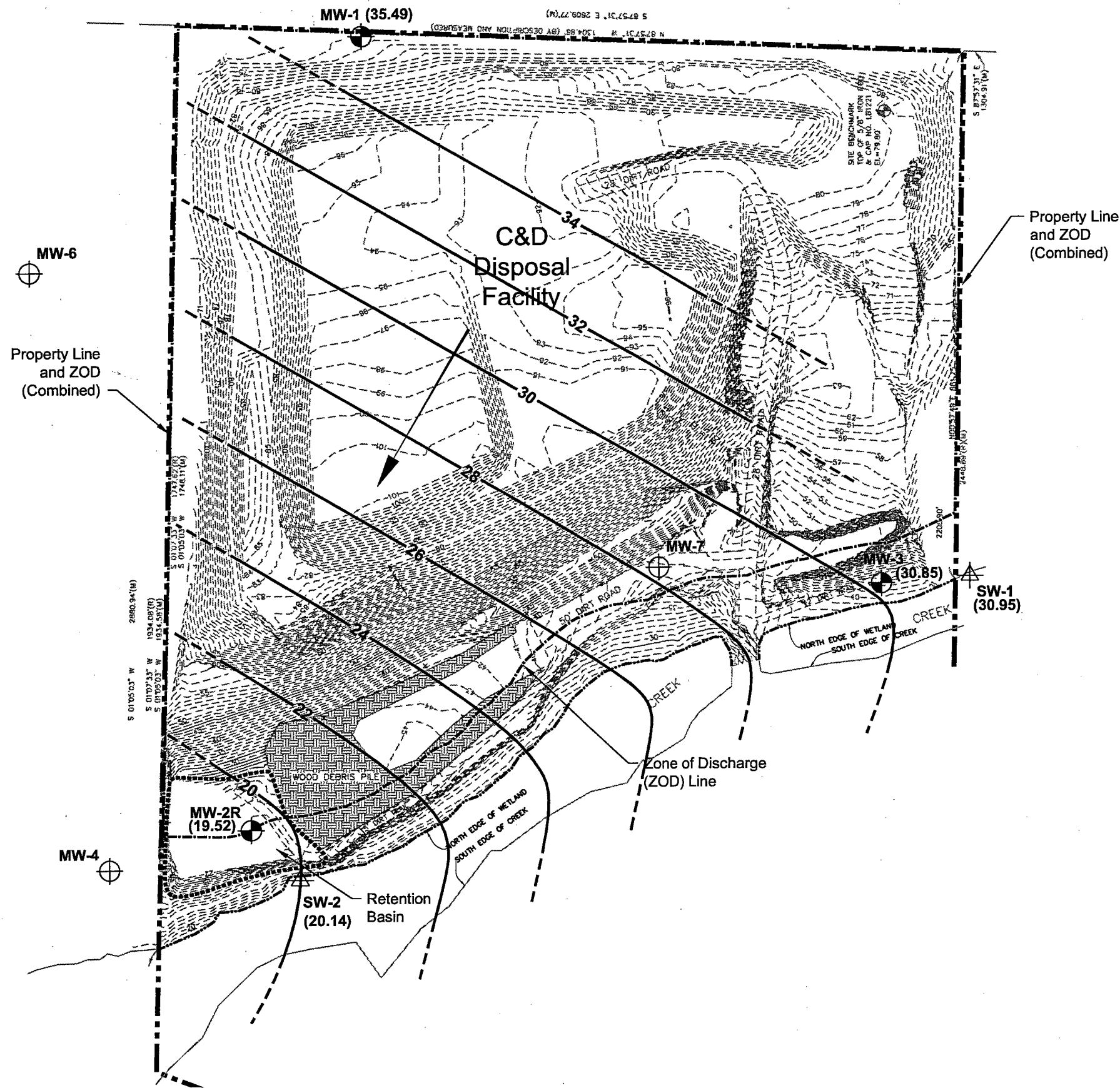
February 1, 2019 Annual Report for C&D Facilities
March 1, 2019 Inflation Adjusted Cost Estimate Form
April 1, 2019 Semiannual Water Quality Monitoring Report (ADaPT)
October 1, 2019 Semiannual Water Quality Monitoring Report (ADaPT)

2020

February 1, 2020 Annual Report for C&D Facilities
March 1, 2020 Inflation Adjusted Cost Estimate Form
April 1, 2020 Semiannual Water Quality Monitoring Report (ADaPT)
October 1, 2020 Semiannual Water Quality Monitoring Report (ADaPT)
October 1, 2020 Water Quality Technical Report

2021

February 1, 2021 Annual Report for C&D Facilities
March 1, 2021 Inflation Adjusted Cost Estimate Form
April 1, 2021 Semiannual Water Quality Monitoring Report (ADaPT)
October 1, 2021 Semiannual Water Quality Monitoring Report (ADaPT)



- LEGEND**
- MW-1 Monitor Well
 - SW-1 Surface Water Sampling Location
 - MW-4 Proposed Well Location
 - Property Line
 - Zone of Discharge (ZOD) Line
 - Retention Basin
 - 20 Ground Water Contour
 - (35.49) Water Elevation (ft, NGVD)
 - Ground Water Flow

0 200
SCALE FEET



WRH Freeport, LLC
C&D Disposal Facility
Walton County, Florida
Project No. 06PNWRH0102E

Figure 6
Ground Water Contour Map
January 2009
SCALE: As Shown

SITE DATA

SECTION/TOWNSHIP/RANGE: 08/01S/19W
 PARCEL IDENTIFICATION NUMBERS: 08-1S-19-23000-003-0030
 TOTAL PROPERTY AREA: 60.37 AC
 C&D DISPOSAL FACILITY AREA: 35.3 AC
 C&D DEBRIS DISPOSAL AREA: 21.4 AC
 C&D DISPOSAL SETBACK: 100 FT (ALL PROPERTY LINES)
 200 FT (JURISDICTIONAL WETLAND BOUNDARY)

NO NEW IMPERVIOUS AREA IS PROPOSED AS PART OF THIS PERMIT MODIFICATION

GENERAL NOTES

1. PROPERTY BOUNDARY AND TOPOGRAPHIC SURVEY PROVIDED BY NORTHWEST FLORIDA LAND SURVEYING, INC., DATED 2/26/2015.
2. WETLAND DELINEATION PROVIDED BY WETLAND SCIENCES, INC., DATED 1/29/2009
3. WETLAND SURVEY PROVIDED BY BOWYER SINGLETON, DATED 2/23/2009.
4. ELEVATIONS BASED ON NAVD 1988.
5. BASED ON FIELD SURVEY AND REVIEW OF THE NORTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WELL PERMIT DATABASE, THERE ARE NO POTABLE WATER SUPPLY WELLS WITHIN 500 FEET OF THE DISPOSAL AREA OR PUBLIC WATER SUPPLY WELLS WITHIN 1,000 FEET OF THE DISPOSAL AREA.

STORMWATER NOTES

1. NO CHANGE TO THE PERMITTED, APPROVED STORMWATER MANAGEMENT SYSTEM IS PROPOSED AS PART OF THIS PERMIT MODIFICATION.
2. STORMWATER SHALL BE CONTROLLED VIA CONVEYANCE SWALES, RETENTION SWALE AND RETENTION POND. SHALLOW CONVEYANCE SWALES ON THE WEST, NORTH AND EAST PROPERTY BOUNDARIES WILL BE CONSTRUCTED AND MAINTAINED TO CONVEY STORMWATER TO A RETENTION POND AND RETENTION SWALE ALONG THE SOUTHERN WASTE BOUNDARY.
3. INTERIOR STORMWATER SHALL BE ROUTED AWAY FROM THE WORKING FACE OF THE DISPOSAL AREA VIA BOTTOM GRADING OPERATIONS.
4. ALL SIDE SLOPES ARE 4 FOOT HORIZONTAL TO 1 FOOT VERTICAL UNLESS OTHERWISE NOTED.

GRADING NOTES

1. A 20-FOOT WIDE STABILIZED ROADWAY SHALL BE PROVIDED AND MAINTAINED WHILE THE DISPOSAL AREA REMAINS ACTIVE. ROAD SLOPE SHALL NOT EXCEED 5 FOOT HORIZONTAL TO 1 FOOT VERTICAL. ROAD CROSS-SLOPE SHALL NOT EXCEED 2%.
2. CONTRACTOR SHALL PROVIDE IRRIGATION AND EROSION CONTROL MEASURES AS NECESSARY DURING CONSTRUCTION AND THROUGHOUT THE VEGETATIVE COVER ESTABLISHMENT PERIOD.
3. PRIOR TO BEGINNING EARTHWORK, THE CONTRACTOR SHALL PROVIDE STORMWATER AND EROSION CONTROL TO PREVENT PONDING AND CONTROL EROSION AND RUNOFF. NO PONDING OF WATER SHALL BE ALLOWED. THE CONTRACTOR SHALL USE WHATEVER MEANS NECESSARY TO PREVENT EROSION AND SHALL BE RESPONSIBLE FOR ALL WORK, INCLUDING PROVIDING EQUIPMENT, LABOR, FILL, ETC NECESSARY TO REMEDIATE AND/OR RESTORE ALL AREAS IMPACTED BY EROSION.
4. ALL AREAS WITHIN THE LIMITS OF FINAL COVER SHALL HAVE VEGETATIVE COVER.
5. RETENTION PONDS SHALL HAVE VEGETATIVE COVER.
6. THE FINAL COVER AREAS AND STORMWATER MANAGEMENT AREAS SHALL HAVE VEGETATIVE COVER

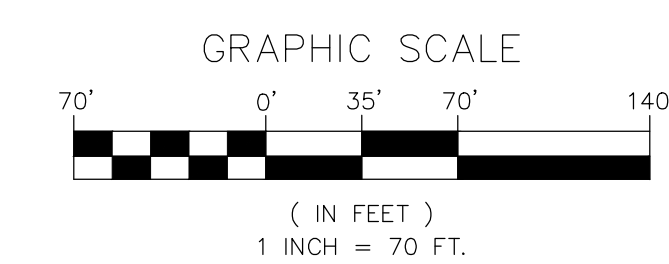
FILL SEQUENCE

1. VERTICAL LIFTS SHALL NOT EXCEED 10'
 2. FILL SEQUENCE SHALL PROGRESS FROM WEST TO EAST
 3. WORKING FACE SHALL NOT EXCEED 3:1 SLOPE
- REFER TO OPERATIONS PLAN FOR ADDITIONAL INFORMATION

MONITORING WELL DATA TABLE					
WELL ID	NORTHING	EASTING	TOP OF CASING (NAVD 88)	DISTANCE TO ZOD (FT)	DISTANCE TO DISPOSAL BOUNDARY
MW-1	555471.03	1441490.80	75.74	9	91
MW-2R	554145.47	1441310.02	22.82	9	116
MW-2R2	554153.45	1441322.03	23.95	10	110
MW-7	554593.58	1441983.33	39.39	51	49
SW-1	554578.94	1442501.53	33.17	97	197
SW-2	554072.36	1441393.23	23.81	97	197

LEGEND

- — — — — PROPERTY LINE
- ZONE OF DISCHARGE (ZOD)
- - - - - WETLAND BOUNDARY
- ■ ■ ■ ■ WETLAND SETBACK (200')
- - - - - DISPOSAL BOUNDARY
- 35.0 — PROPOSED MAJOR CONTOUR
- 100.0 — EXISTING MAJOR CONTOUR
- 100.0 — EXISTING MINOR CONTOUR
- ⊙ MW-1 MONITORING WELL
- ⊕ SW-1 SURFACE WATER SAMPLING LOCATION
- ▨ STORMWATER MANAGEMENT AREA
- ▩ STABILIZED ROADWAY
- ▭ PROPOSED SPOT ELEVATION
- FLOW ARROW

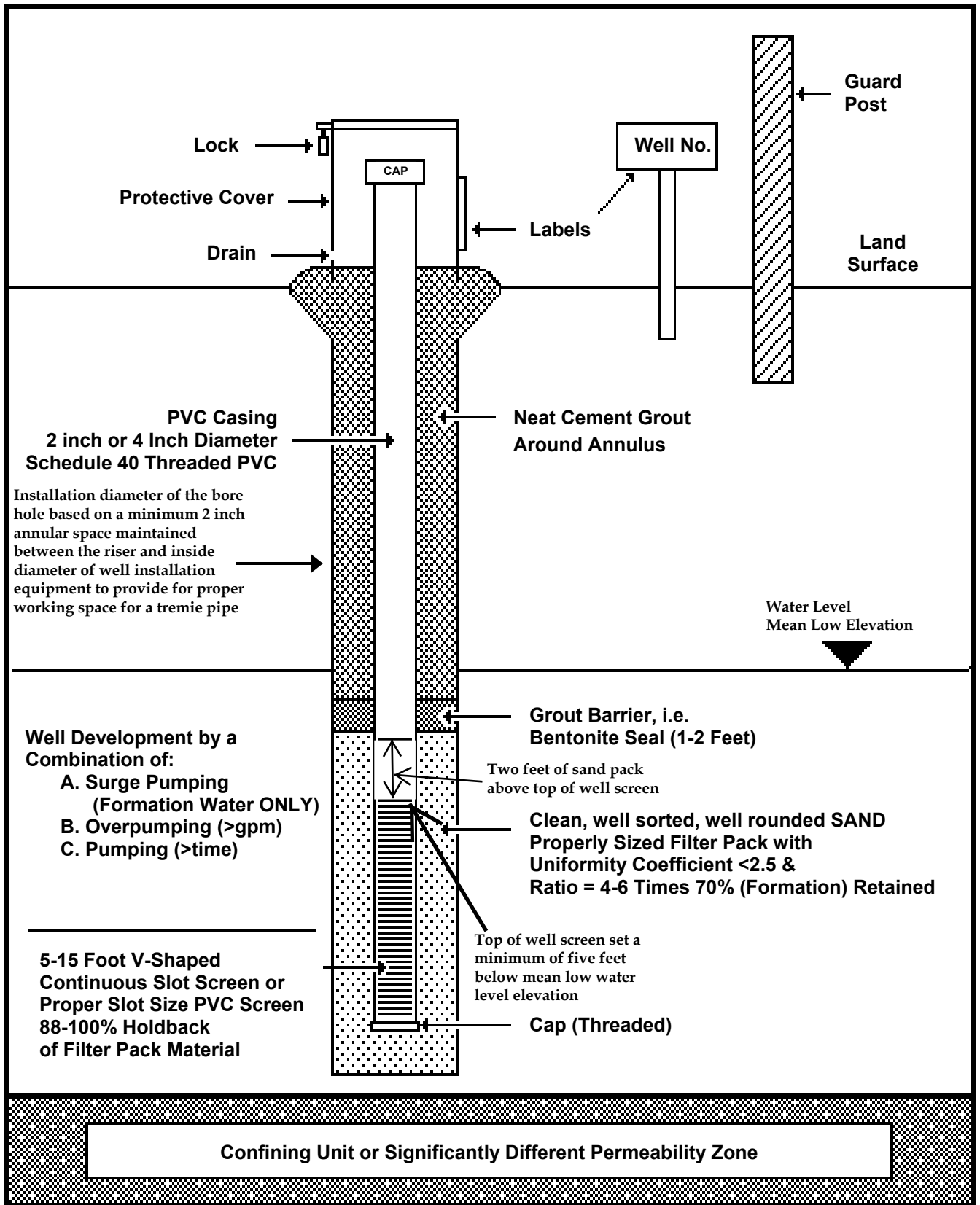


FINAL GRADING PLAN

SCALE: 1" = 70'

Nelson Engineering Co.
 5335 North Courtenay Pkwy
 Merritt Island, FL 32953
 (321) 449-1128 Fax (321) 449-1195
 www.NelsonEngrCo.com

INTIALS	DATE	WASTE PRO FREEPORT, LLC 2199 STATE HWY 20 W FREEPORT, FL 32439
DESIGNED BY: J.S.L.	6/29/15	
DRAWN BY: B.C.H.	6/29/15	
CHECKED BY: J.S.L.	6/29/15	
APPROVED: JEFFERY S. LONGSHORE P.E. NO: 76908		
FREEPORT C&D DISPOSAL FACILITY VERTICAL EXPANSION FINAL GRADING PLAN		
DATE: 6/29/15	SIZE DWG. NO. F WP-FPT-2015-01	REV
PROJ. NO. -	SHEET 5 OF 7	



Basic Monitor Well Design
in a Water Table Aquifer

Florida Department of
Environmental Protection
Northwest District Office



Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

DEP Form # 62-701.900(30)
Form Title: Monitoring Well Completion Report
Effective Date: January 6, 2010
Incorporated in Rule 62-701.510(3)

MONITORING WELL COMPLETION REPORT

DATE: _____

FACILITY NAME: _____

DEP PERMIT NO.: _____ WACS_FACILITY: _____

WACS MONITORING SITE_NUM.: _____ WACS_WELL: _____

WELL_TYPE: BACKGROUND _____ DETECTION _____ COMPLIANCE _____

LATITUDE AND LONGITUDE (see back for requirements): _____

Coordinate Accuracy _____ Datum _____ Elevation Datum _____

Collection Method _____ Collection Date _____

Collector Name _____ Collector Affiliation _____

AQUIFER MONITORED: _____

DRILLING METHOD: _____ DATE INSTALLED: _____

INSTALLED BY: _____

BORE HOLE DIAMETER: _____ TOTAL DEPTH: _____ (BLS)

CASING TYPE: _____ CASING DIAMETER: _____ CASING LENGTH: _____

SCREEN TYPE: _____ SCREEN SLOT SIZE: _____ SCREEN LENGTH: _____

SCREEN DIAMETER: _____ SCREEN INTERVAL: _____ TO _____
(BLS)

FILTER PACK TYPE: _____ FILTER PACK GRAIN SIZE: _____

INTERVAL COVERED: _____ TO _____ (BLS)

SEALANT TYPE: _____ SEALANT INTERVAL: _____ TO _____ (BLS)

GROUT TYPE: _____ GROUT INTERVAL: _____ TO _____ (BLS)

TOP OF CASING ELEVATION (NGVD): _____ GROUND SURFACE ELEVATION (NGVD): _____

DESCRIBE WELL DEVELOPMENT: _____

POST DEVELOPMENT WATER LEVEL ELEVATION (NGVD): _____

DATE AND TIME MEASURED: _____

REMARKS: _____

NAME OF PERSON PREPARING REPORT: _____

(Name, Organization, Phone No., E-mail)

NOTE: ATTACH AS-BUILT MW CONSTRUCTION DIAGRAM AND LITHOLOGIC LOG.(NGVD) NATIONAL GEODETIC VERTICAL DATUM OF 1988 (BLS) = BELOW LAND SURFACE

Latitude must be measured in degrees, minutes and seconds, to at least two (2) decimal places.

Longitude must be measured in degrees, minutes and seconds, to at least two (2) decimal places.

Eastings and northings (State Plane Coordinates) **must** be converted to latitude and longitude.

Coordinate Accuracy: the measured, estimated degree of correctness of the measurement. An accuracy of 15 feet or 5 meters is preferred.

Datum: the horizontal reference for measuring locations on the Earth's surface. NAD83-North American Datum of 1983 is preferred.

Elevation Datum: the reference datum from which elevation measurements are made. NGVD88 (National Geodetic Vertical Datum of 1988) is preferred.

Collection Method: the method or mechanism used to derive the measurements, e.g. GPS, map, aerial photo, etc.

Collection Date: the date and time on which the measurements were taken.

Collector Name: the name of the person taking the measurement.

Collector Affiliation: the agency or company for whom the collector works.



Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

DEP Form #: 62-701.900(31)
Form Title: Water Quality Monitoring Certification
Effective Date: January 6, 2010
Incorporated in Rule 62-701.510(9)

WATER QUALITY MONITORING CERTIFICATION

PART I GENERAL INFORMATION

(1) Facility Name _____
 Address _____
 City _____ Zip _____ County _____
 Telephone Number (_____) _____

(2) WACS Facility ID _____

(3) DEP Permit Number _____

(4) Authorized Representative's Name _____ Title _____
 Address _____
 City _____ Zip _____ County _____
 Telephone Number (_____) _____
 Email address (if available) _____

CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submission of false information including the possibility of fine and imprisonment.

(Date) (Owner or Authorized Representative's Signature)

PART II QUALITY ASSURANCE REQUIREMENTS

Sampling Organization _____
 Analytical Lab NELAC / HRS Certification # _____
 Lab Name _____
 Address _____
 Phone Number (_____) _____
 Email address (if available) _____

Northwest District
160 Government Center
Pensacola, FL 32501-5794
850-595-8360

Northeast District
7825 Baymeadows Way, Ste. 200 B
Jacksonville, FL 32256-7590
904-807-3300

Central District
3319 Maguire Blvd., Ste. 232
Orlando, FL 32803-3767
407-894-7555

Southwest District
13051 N. Telecom Pky.
Temple Terrace, FL
813-632-7600

South District
2295 Victoria Ave., Ste. 364
Fort Myers, FL 33902-2549
239-332-6975

Southeast District
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West Palm Beach, FL 33401
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**Form FD 9000-24
GROUNDWATER SAMPLING LOG**

SITE NAME:	SITE LOCATION:	
WELL NO:	SAMPLE ID:	DATE:

PURGING DATA

WELL DIAMETER (inches):	TUBING DIAMETER (inches):	WELL SCREEN INTERVAL DEPTH: feet to feet	STATIC DEPTH TO WATER (feet):	PURGE PUMP TYPE OR BAILER:							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY (only fill out if applicable) = (feet - feet) X gallons/foot = gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet):		FINAL PUMP OR TUBING DEPTH IN WELL (feet):		PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (gallons):					
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) μmhos/cm or μS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											
PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION:				SAMPLER(S) SIGNATURE(S):				SAMPLING INITIATED AT:		SAMPLING ENDED AT:		
PUMP OR TUBING DEPTH IN WELL (feet):				TUBING MATERIAL CODE:				FIELD-FILTERED: Y N		FILTER SIZE: _____ μm		
FIELD DECONTAMINATION: PUMP Y N				TUBING Y N (replaced)				DUPLICATE: Y N				
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)		
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH						
REMARKS:												
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)												
SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)												

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.
 2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

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