

SCS ENGINEERS

April 26, 2016
File No. 09216002.00/F160027

F. Thomas Lubozynski, P.E.
Environmental Administrator
Waste, Air, & Stormwater Permitting
Florida Department of Environmental Protection
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803

Subject: Response to RAI #1, Dated February 29, 2016
Application for Renewal of a Solid Waste Operation Permit
Vista Landfill, Class III (WACS ID NO: 87081)
Apopka, FL

Dear Mr. Lubozynski:

On behalf of Vista Landfill, LLC and Waste Management Inc. of Florida (WMIF), SCS Engineers (SCS) has prepared this document in response to the request for additional information dated February 29, 2016 (RAI #1) issued by the Florida Department of Environmental Protection (FDEP) following the review of the Application for Renewal of a Solid Waste Permit for the Vista Landfill, Class III facility, located in Apopka, Florida. In the remainder of this document, the comments presented in RAI #1 are presented in bold in the sequence presented in the letter, followed by the response.

Comment RAI #1 - 1

The cover page (Page 1) requested the new permit be issued for a twenty year period. Waste Management Inc. of Florida (WMIF) intends to pay permit renewal fees for the twenty-year period in five-year installments. A subsequent payment of \$4,000 will be made on or before the five-year due date.

Department comments: This is acceptable. The new permit will have due dates for the installment payments.

Response:

Acknowledged. WMIF will pay the permit renewal fees in five-year installments as per the due dates assigned in the permit.



Comment RAI #1 - 2

Page 7 Part A.7. and Page 40 Section 2 have conflicting location coordinates. Page 7 Part A.7. is consistent with the renewal permit 0165969-025-SO-31 for Material Recovery Facility. Those are the coordinates we will use for the facility.

Response:

Section 2 of Page 40 has been revised to reflect the correct location coordinates. Revised page 40 is provided in Attachment RAI #1 – A.

Comment RAI #1 - 3

Page 9 (Part B.1. of the permit application form 62-701.900(1)) states “.....This permit application has been prepared to renew the existing operation permit. Permitted operations include Class III solid waste disposal, material recovery facility, waste tire processing (Small Waste Tire Processing Facility), yard trash recycling, pre-consumer vegetative waste composting, and an active borrow pit contained within permitted footprint.”

Department comments:

- a. Although the list of permitted activities is correct, this permit renewal is not for all of those activities.**
- b. The submitted application is for renewal of permit number SO48-0165969-018 and its modification by permits numbers 020, 021, 022, 024, 026 and 027. All permits that will expire on 4/19/2016.**
 - Permit numbers 020, 021, 022, 024, 026 and 027 made changes to the operations and water quality monitoring plan for the landfill.**
 - Permit SO48-0165969-021 clarified what materials were acceptable for the composting operation. It allows composting of yard trash (including clean wood), manure, animal byproducts, vegetative wastes, and pre-consumer vegetative wastes.**
- c. The following permitted operations are not included in this permit renewal:**
 - Small Waste Tire Processing Facility (SWTP) has a stand-alone permit 0165969-023-WT-06 that will expire on 9/16/2019.**
 - Construct and operate the Vista Material Recovery Facility (MRF) is a standalone permit 0165969-025-SO-31 that will expire on 3/27/2020.**

Response:

Acknowledged. The operations of Small Waste Tire Processing Facility and Material Recovery Facility have been removed from Part B.1 of permit application form 62-701.900(1). Revised page 9 is provided in Attachment RAI #1 – B.

Comment RAI #1 - 4

On Page 9 Part B.8, adding only “pre-consumer vegetative waste composting” might be inaccurate.

Department Comment

- a. **Unless you tell us you only want to compost “pre-consumer vegetative waste,” the permit renewal will authorize the continued composting operation of yard trash (including clean wood), pre-consumer vegetative wastes. The annual registration requirement is waived.**
- b. **The permit will have a specific condition requiring the annual reporting described in**

Rule 62-709.320(1)(c), F.A.C.

Response:

Yard trash was previously checked as one of the types of waste received on Page 9 Part B.8 of permit application form 62-701.900(1). The other types of waste received on Page 9 have been revised to include manure, animal byproducts, vegetative wastes, and pre-consumer vegetative wastes. Revised page 9 is provided in Attachment RAI #1 – B.

WMIF acknowledges the requirement for annual reporting described in Rule 62-709.320(1)(c), F.A.C.

Comment RAI #1 – 5

Page 12 Part B.27 provides the Environmental Resources Permit (ERP) number ERP48-0817635-008-EM. Page 40 Section 3 mentions “The current Environmental Resources Permit (ERP) for the landfill surface water management system expires in June 2016.” Did you mean ERP48-0187635-008-EM instead of ERP48-0817635-008-EM? (It expires on 6/10/2016.)

Response:

Page 12 Part B.27 has been revised to indicate the current ERP number. The revised page 12 is provided in Attachment RAI #1 – C.

Comment RAI #1 – 6

Parts C, D, E, F, G, H, I, K, L, M, N, O, P, Q, and R (starting on Page 13) indicate N/C (no change).

Department Comments:

- a. As mentioned during the pre-application meeting on 1/13/2016, any part of the application that is marked N/C must have a reference (e.g. submittal date, submitted as part of a document/application, section/tab/attachment, etc.). This ensures there is no confusion regarding what document has the information that has not been changed. Also, it allows us to make sure the referenced documents are in our files.**
- b. Although Page 100 of Attachment E seems to follow the Rule 62-701.320(10)(c), F.A.C., it does not provide specific reference information.**
 - i. Some of the documents listed have been replaced by more recent documents (for example, the Operation Plan listed in the 4th bullet has been updated by the Operation Plan submitted with the document at the first bullet.)**
 - ii. Some of documents are not specific enough. (For example, the last bullet lists the application dated 2/17/2011. That application also states “N/C” instead of citing a specific reference.)**
- c. We are not requesting that you go thru all N/C entries. However, there are important documents, such as, hydrogeological report, geotechnical investigation information, operation plan, emergency preparedness, and response documentations, etc., must be in the permit application. If a new version is not submitted, the document being relied upon must be specifically identified. Please provide a specific reference for the following documents:**
 - i. Page 14, Part D.7, Operation Plan and Closure Plan. Did you mean the plan submitted for Permit -027? The reference information would be “Operation Plan for Vista Landfill, Class III,” revised July 2015 by WMIF.**
 - ii. Page 14, Part D.9.b, A vicinity map or aerial photograph no more than one year old showing the facility site and relevant surface features located within 1,000 feet of the facility. Although marked as N/C, an aerial photograph was provided on page 42. Is it supposed to meet this requirement?**
 - 1. The aerial photograph does not have a date to ensure it is less than one year old.**
 - 2. There is no scale to indicate it shows the vicinity within 1,000 feet of the facility.**
 - 3. If the aerial photograph on Page 42 is the current document, please provide the reference information to the document being relied upon.**
 - iii. Page 14, Part D.9.c. A site plan showing all property boundaries certified by a Florida Licensed Professional Surveyor and Mapper. Although marked as N/C, a site plan was provided on page 43. Is it supposed to meet this requirement?**

1. **The site plan on Page 43 is acceptable as a site plan but not as a substitute for the property boundary survey.**
2. **The historical survey showing the property boundaries and certified by a Florida Licensed Professional Surveyor and Mapper may be referenced. There is no requirement for a new survey, unless the property changed.**
- iv. **Page 25, Part H, the hydrogeological investigation and site report. It is especially important to include an update to the original hydrogeological report regarding the potable wells in the area (Part H.1.i). It appears that the potable wells were mentioned in the second of the last bullet. It needs to state where the information is in that document.**
- v. **Page 26, Part I, a geotechnical site investigation report defining the engineering properties of the site. What is the referenced document?**

Response:

The current Operation Plan was presented in the minor modification application prepared by Waste Management and dated September 29, 2015.

The current Closure Plan was presented in the permit renewal application prepared by HSA Golden and dated February 17, 2011.

As requested, an updated vicinity map showing the facility site and relevant surface features on a recent aerial photograph is presented in Attachment RAI #1 – D.

The geological and hydrogeological investigation reports were presented in the Class III Landfill Application, prepared by Bishop & Buttrey, Inc. and dated February 14, 2000. The most recent potable well survey was also included in the permit renewal application prepared by HSA Golden and dated February 17, 2011. As discussed during our conference call on March 24, 2016, please note that since this is only a renewal application, an updated portable well survey is not needed at this time.

Please note that the Site Plan presented on page 43 of the application was not intended to serve as a property boundary survey. The property boundary for the site has not changed, and the survey was presented in the Class III Landfill Application, prepared by Bishop & Buttrey, Inc. and dated February 14, 2000.

Parts D, H, and I of the permit application form 62-701.900(1) have been revised to indicate a specific reference with submittal dates for the above-referenced documents. The revised pages are provided in Attachment RAI #1 – E. The summary of valid information has also been revised to include all those specific references. The revised summary of valid information is provided in Attachment RAI #1 – F.

Comment RAI #1 - 7

Pages 44 to 72 of Attachment A provides a detailed closure cost estimate with justification/cost of third party performing the work. The Department approves the estimated closing cost and 30-year long-term care cost for Cells 1, 2, 3, and 4 as \$4,341,973.02 and \$3,338,143.62 (\$111,271.45 per year x 30 years) respectively.

Response:

Acknowledged. However, please note that the estimated closing cost is \$4,477,942.27, not \$4,341,973.02, as presented on pages 49 and 56 of the permit renewal application.

Comment RAI #1 - 8

Pages 73 to 77 of Attachment B provides proof that the leachate collection system was water pressure cleaned. The table below shows when the leachate collection system was cleaned. Waste has been disposed in all four cells.

Cell Number	Leachate Collection System Jet Cleaning Date
1	11/12/2008
2	12/29/2009
3	11/14/2012
4	5/19/2015

- a. **Rule 62-701.500(8)(h), F.A.C. states “.....Existing leachate collection systems shall be water pressure cleaned or inspected by video recording at least once every five years.....”.**

Were the leachate collection pipes in Cells 1 and 2 cleaned or inspected every five years? If yes, please provide documentation. If no, when are they scheduled to be cleaned or inspected?

Response:

The leachate collection pipes in Cells 1 and 2 were cleaned using high-pressure water jet on 3/31/2016. The updated report is provided in Attachment RAI #1 – G.

Comment RAI #1 - 9

Based on Pages 85 to 98 of Attachment D, the Department accepts the request for a 20-year permit to operate Vista Class III Landfill. The Permit will have a time table to make the

remaining three (3) installments over the duration of the permit.

Response:

Acknowledged.

We trust that the information provided in this document sufficiently addresses your comments. We appreciate your review of this document. Please contact either of the undersigned if you have any questions.

Sincerely,



Myles Clewner, L.E.P.
Project Director / Office Manager
SCS ENGINEERS

cc: Sheree Grant, WMIF
Deborah Perez, WMIF
Eric Parker, WMIF

Attachments



ATTACHMENT RAI #1 - A

REVISED PAGE I-1 OF APPLICATION REPORT

APPLICATION REPORT

1. TERMS OF REFERENCE

SCS Engineers (SCS) has prepared this permit application for renewal of the solid waste operation permit for the Vista Landfill, Class III facility (Vista Landfill). Vista Landfill is owned by Waste Management Inc. of Florida (WMIF) and operated by Vista Landfill, LLC, a subsidiary of WMIF. This facility is currently operating under Florida Department of Environmental Protection (FDEP) Permit No. 0165969-027-SO-MM, which expires on April 19, 2016. This Permit Renewal Application (PRA) has been prepared in compliance with the requirements of Chapter 62-701 of the Florida Administrative Code (FAC). Please note that Vista Landfill is pursuing a twenty-year operation permit.

2. SITE LOCATION

Vista Landfill is located in the City of Apopka. The general site location is shown in Figure 1. The site is located within Section 28, Township 21 South, Range 28 East in Orange County, Florida. The main entrance of the facility is located at latitude 28°38'24.55"N, longitude 81°30'41.7"W. The site plan is presented in Figure 2.

3. PURPOSE AND SCOPE OF THE PERMIT RENEWAL APPLICATION

The PRA has been prepared to update the existing Solid Waste Permit for the operation of Vista Landfill, and it is being submitted in excess of 60 days prior to the current permit expiration date. This PRA includes FDEP Form 62-701.900(1).

The closure cost estimate was recalculated in accordance with Rule 62-701.630(4)(b), FAC. The updated closure cost estimate is presented in Attachment A.

Water pressure cleaning of the leachate collection system (LCS) was performed by Florida Jetclean in accordance with Rule 62-701.500(8)(h), FAC, and a copy is maintained at the site. Please note that this Rule was revised in 2012 from requiring the additional testing to be performed "at the time of permit renewal" to performing the testing "every five years". Therefore, there is no specific requirement that ties the permit renewal to this particular task. However, as a courtesy, the latest LCS cleaning report is presented in Attachment B.

Updated training certificates for all on-site spotters and operators are presented in Attachment C.

An updated list of enforcement actions against WMIF within Florida is presented in Attachment D.

The current Environmental Resource Permit (ERP) for the landfill surface water management system expires in June 2016. At the present time, ponds 1, 2, 3 are built to final design. WMIF

ATTACHMENT RAI #1 - B

REVISED PAGE 6 OF 62-701.900(1)

PART B. DISPOSAL FACILITY GENERAL INFORMATION

1. Provide brief description of disposal facility design and operations planned under this application:
Vista Landfill, Class III facility is currently a 102-acre lined landfill with leachate collection and storage systems. This permit application has been prepared to renew the existing Operation Permit. Permitted operations include Class III solid waste, disposal, yard trash recycling, pre-consumer vegetative waste composting, and an active borrow pit contained within permitted landfill footprint.

2. Facility site supervisor: Deborah Perez
Title: District Manager Telephone: (407) 886-2920
dperez@wm.com
E-Mail address (if available)

3. Disposal area: Total acres: 102 Used acres: 35.3 Available acres: 66.7

4. Weighing scales used: Yes No

5. Security to prevent unauthorized use: Yes No

6. Charge for waste received: _____ \$/yds³ _____ \$/ton

Class III - \$28/ton;
Yard Waste - \$35/ton;
Asbestos - \$200.00/ton; and
Shredded Tires - \$100.00/ton

7. Surrounding land use, zoning:
 Residential Industrial
 Agricultural None
 Commercial Other (describe):

Institutional, Parks, and Recreational

8. Types of waste received:
 Household C & D debris
 Commercial Class III Shredded/cut tires
 Incinerator/WTE ash Yard trash
 Treated biomedical Septic tank
 Water treatment sludge Industrial
 Air treatment sludge Industrial sludge
 Agricultural Domestic sludge
 Asbestos Other (describe):

Manure, animal byproducts, vegetative wastes, and pre-consumer vegetative wastes

ATTACHMENT RAI #1 - C

REVISED PAGE 9 OF 62-701.900(1)

26. Storm Water:

Collected: Yes No

Type of treatment:

Retention

Name and Class of receiving water:

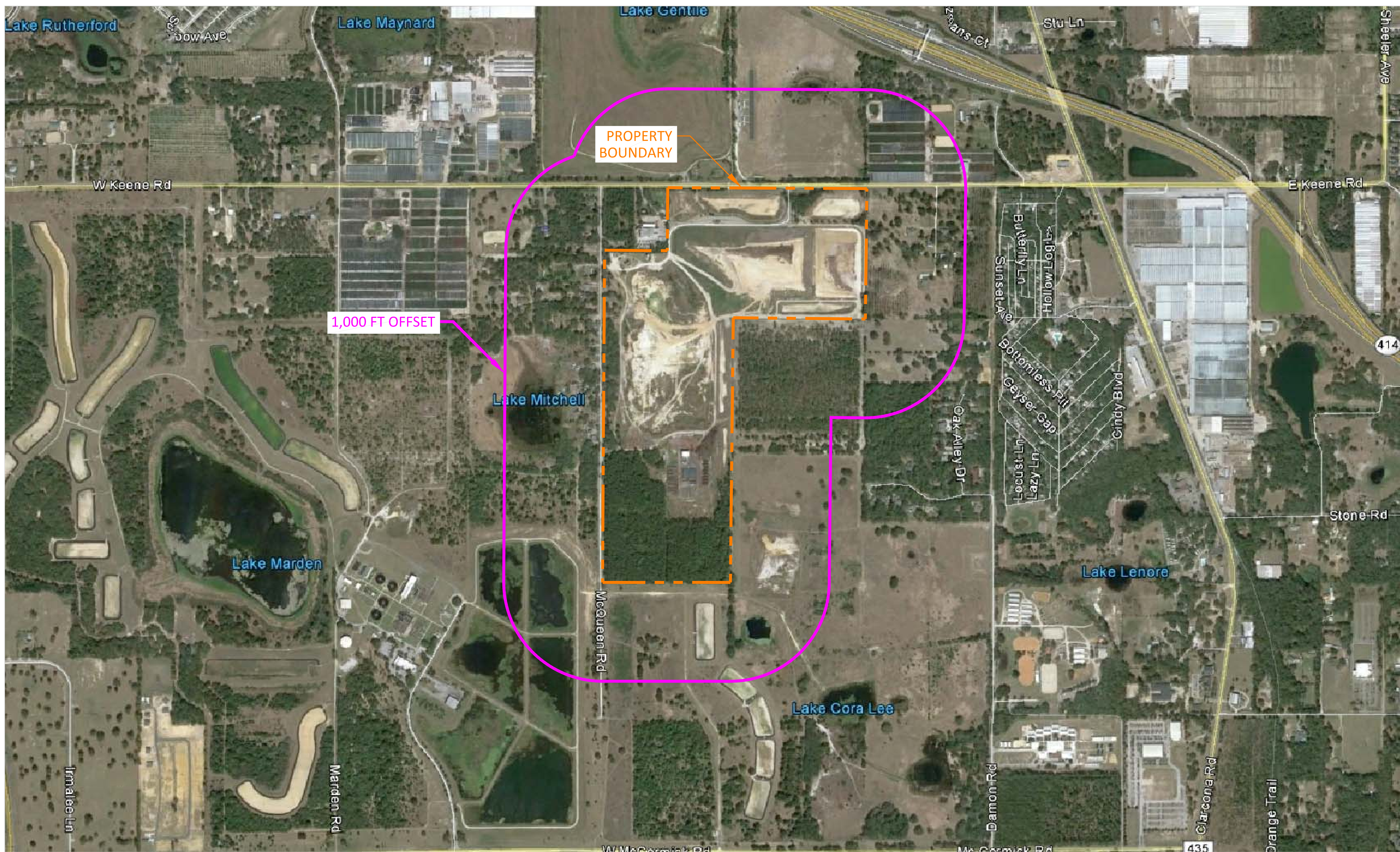
N/A

27. Environmental Resources Permit (ERP) number or status:

ERP48-0187635-008 EM

ATTACHMENT RAI #1 - D

UPDATED VICINITY MAP



NOTE:
1. THE PROPERTY BOUNDARY SHOWN IN THIS DRAWING WAS SUPERIMPOSED ONTO THE AERIAL MAP AT ITS APPROXIMATE LOCATION FOR PRESENTATION PURPOSES. AERIAL PHOTOGRAPH DATE: MARCH 5, 2016.

FIGURE 3. VICINITY MAP

ATTACHMENT RAI #1 - E

REVISED PAGES 11, 22, AND 23 OF FORM 62-701.900(1)

PART D. SOLID WASTE MANAGEMENT FACILITY PERMIT REQUIREMENTS, GENERAL (62-701.320, FAC)

LOCATION

- | | |
|---|--|
| <p>S <input checked="" type="checkbox"/> <u>Attached</u> N/A <input type="checkbox"/> N/C <input type="checkbox"/></p> | <p>1. A minimum of one completed electronic application form, all supporting data and reports; (62-701.320(5)(a), FAC)</p> |
| <p>S <input checked="" type="checkbox"/> <u>Attached</u> N/A <input type="checkbox"/> N/C <input type="checkbox"/></p> | <p>2. Engineering and/or professional certification (signature, date, and seal) provided on the applications and all engineering plans, reports, and supporting information for the application; (62-701.320(6), FAC)</p> |
| <p>S <input checked="" type="checkbox"/> <u>Attached</u> N/A <input type="checkbox"/> N/C <input type="checkbox"/></p> | <p>3. A letter of transmittal to the Department; (62-701.320(7)(a), FAC)</p> |
| <p>S <input checked="" type="checkbox"/> <u>Attached</u> N/A <input type="checkbox"/> N/C <input type="checkbox"/></p> | <p>4. A completed application form dated and signed by the applicant; (62-701.320(7)(b), FAC)</p> |
| <p>S <input checked="" type="checkbox"/> <u>Attached</u> N/A <input type="checkbox"/> N/C <input type="checkbox"/></p> | <p>5. Permit fee specified in Rule 62-701.315, FAC in check or money order, payable to the Department; (62-701.320(7)(c), FAC)</p> |
| <p>S <input type="checkbox"/> _____ N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/></p> | <p>6. An engineering report addressing the requirements of this rule and with the following format: a cover sheet, text printed on 8 ½ inch by 11 inch consecutively numbered pages, a table of contents or index, the body of the report and all appendices including an operation plan, contingency plan, illustrative charts and graphs, records or logs of tests and investigations, engineering calculations; (62-701.320(7)(d), FAC)</p> |
| <p>9/29/15 Minor Mod.
Appl. for Oper. Plan;
2/17/11 Permit
Renewal Appl. for
Closure Plan; See
Attachment E for info.</p> <p>S <input type="checkbox"/> _____ N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/></p> | <p>7. Operation Plan and Closure Plan; (62-701.320(7)(e)1, FAC)</p> |
| <p>S <input type="checkbox"/> _____ N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/></p> | <p>8. Contingency Plan; (62-701.320(7)(e)2, FAC)</p> |
| <p>S <input type="checkbox"/> _____ N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/></p> | <p>9. Plans or drawings for the solid waste management facilities in appropriate format (including sheet size restrictions, cover sheet, legends, north arrow, horizontal and vertical scales, elevations referenced to NGVD 1929) showing: (62-701.320(7)(f), FAC)</p> |
| <p>S <input type="checkbox"/> _____ N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/></p> | <p>a. A regional map or plan with the project location in relation to major roadways and population centers;</p> |
| <p>S <input type="checkbox"/> <u>See Attachment RAI #1-D</u> N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/></p> | <p>b. A vicinity map or aerial photograph no more than one year old showing the facility site and relevant surface features located within 1000 feet of the facility;</p> |
| <p>2/14/00 Permit Appl.;
See Attachment E for
info.</p> <p>S <input type="checkbox"/> _____ N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/></p> | <p>c. A site plan showing all property boundaries certified by a Florida Licensed Professional Surveyor and Mapper;</p> |
| <p>S <input type="checkbox"/> _____ N/A <input type="checkbox"/> N/C <input checked="" type="checkbox"/></p> | <p>d. Other necessary details to support the engineering report, including referencing elevations to a consistent, nationally recognized datum, and identifying the method used for collecting latitude and longitude data;</p> |

LOCATION

PART G CONTINUED

S _____ N/A N/C

(6) Description of CQA reporting forms and documents;

S _____ N/A N/C

b. An independent laboratory experienced in the testing of geosynthetics to perform required testing;

S _____ N/A N/C

7. Soil liner CQA; (62-701.400(8), FAC)

S _____ N/A N/C

a. Documentation that an adequate borrow source has been located with test results, or description of the field exploration and laboratory testing program to define a suitable borrow source;

S _____ N/A N/C

b. Description of field test section construction and test methods to be implemented prior to liner installation;

S _____ N/A N/C

c. Description of field test methods, including rejection criteria and corrective measures to insure proper liner installation;

S _____ N/A N/C

8. For surface water management systems at aboveground disposal units, provide documentation showing the design of any features intended to convey stormwater to a permitted or exempted treatment system; (62-701.400(9), FAC)

S _____ N/A N/C

9. Gas control systems; (62-701.400(10), FAC)

S _____ N/A N/C

a. Provide documentation that if the landfill is receiving degradable wastes, it will have a gas control system complying with the requirements of Rule 62-701.530, FAC;

S _____ N/A N/C

10. For landfills designed in ground water, provide documentation that the landfill will provide a degree of protection equivalent to landfills designed with bottom liners not in contact with ground water; (62-701.400(11), FAC)

PART H. HYDROGEOLOGICAL INVESTIGATION REQUIREMENTS (62-701.410(2), FAC)

LOCATION

S _____ N/A N/C
2/14/00 Permit Appl.;
See Attachment E
for info.

1. Submit a hydrogeological investigation and site report including at least the following information:

S _____ N/A N/C

a. Regional and site specific geology and hydrology;

S _____ N/A N/C

b. Direction and rate of ground water and surface water flow including seasonal variations;

LOCATION

PART H CONTINUED

- S _____ N/A N/C
- S _____ N/A N/C
- S _____ N/A N/C
- S _____ N/A N/C
- S _____ N/A N/C
- S _____ N/A N/C
- S _____ N/A N/C
- S _____ N/A N/C

- c. Background quality of ground water and surface water;
- d. Any on-site hydraulic connections between aquifers;
- e. Site stratigraphy and aquifer characteristics for confining layers, semi-confining layers, and all aquifers below the site that may be affected by the disposal facility;
- f. Description of topography, soil types, and surface water drainage systems;
- g. Inventory of all public and private water wells within a one mile radius of the site including, where available, well top of casing and bottom elevations, name of owner, age and usage of each well, stratigraphic unit screened, well construction technique, and static water level;
- h. Identify and locate any existing contaminated areas on the site;
- i. Include a map showing the locations of all potable wells within 500 feet of the waste storage and disposal areas;

2. Report signed, sealed, and dated by P.E. and/or P.G.

PART I. GEOTECHNICAL INVESTIGATION REQUIREMENTS (62-701.410(3) and (4), FAC)

LOCATION

- S 2/14/00 Permit Appl.;
See Attachment E
for info. _____ N/A N/C
- S _____ N/A N/C
- S _____ N/A N/C
- S _____ N/A N/C
- S _____ N/A N/C

- 1. Submit a geotechnical site investigation report defining the engineering properties of the site including at least the following:
 - a. Description of subsurface conditions including soil stratigraphy and ground water table conditions;
 - b. Investigate for the presence of muck, previously filled areas, soft ground, and lineaments;
 - c. Estimates of average and maximum high water table across the site;
 - d. Evaluation of potential for fault areas and seismic impact zones;
 - e. Foundation analysis including:

ATTACHMENT RAI #1 - F

REVISED SUMMARY OF VALID INFORMATION

SUMMARY OF VALID INFORMATION

In accordance with Rule 62-701.320(10)(c) of the Florida Administrative Code (FAC), “[f]acility information that was submitted to the Department to support the expiring permit, and which is still valid, does not need to be re-submitted for permit renewal. The permit renewal application shall list and reaffirm that the information is still valid.” Information in the following documents is still valid and will not be resubmitted.

- Minor Modification Application, Vista Landfill, Class III, prepared by Waste Management, and dated September 29, 2015 **(includes current version of the Operation Plan)**;
- Construction Quality Assurance Certification Report – Cell 4 Construction Project, prepared by Carlson Environmental Consultants, and dated June 30, 2015;
- Vista Landfill, Minor Permit Modification Letter Application and Request of Additional Information for Reduced Groundwater Monitoring, prepared by SCS Engineers, and dated November 19, 2014;
- Updated Operations Plan, prepared by HSA Golden, and dated April 16, 2014;
- Construction Quality Assurance Certification Report – RAI 2013 Landfill Gas Collection System Expansion, prepared by Carlson Environmental Consultants, and dated August 20, 2013;
- Construction Quality Assurance Certification Report – 2013 Landfill Gas Collection System Expansion, prepared by Carlson Environmental Consultants, and dated July 31, 2013;
- First RAI – Intermediate Class III Operation Permit Modification Application, Gas Management System, Vista Landfill, Class III, Permit No. 0165969-018, prepared by Carlson Environmental Consultants, and dated November 20, 2012;
- Intermediate Class III Operation Permit Modification Application, Gas Management System, Vista Landfill, Class III, Permit No. 0165969-018, prepared by Carlson Environmental Consultants, and dated October 4, 2012; ~~and~~
- Permit Application to Construct Phases I and II, Vista Landfill, Class III Facility, prepared by HSA Golden, and dated July 12, 2012;
- Permit Renewal Application Vista Landfill, Class III Facility, prepared by HSA Golden, and dated February 17, 2011 **(includes the current version of the Closure Plan and the most recent potable well survey)**; and
- Class III Landfill Application, prepared by Bishop & Buttrey Incorporated, and dated February 14, 2000 **(includes the property boundary survey and the geotechnical and hydrogeological investigation reports)**.

ATTACHMENT RAI #1 - G

UPDATED FLORIDA JET CLEAN REPORT FOR CELLS 1 AND 2

FLORIDA JETCLEAN

HIGH PRESSURE WATER JETTING
EXPLOSION PROOF VIDEO INSPECTION
VACUUM TRUCK SERVICES
WWW.FLORIDAJETCLEAN.COM

7538 DUNBRIDGE DRIVE
ODESSA, FL 33556
T: 800-226-8013 / F: 813-926-4616
FLORIDAJETCLEAN@YAHOO.COM

Waste Management Vista Landfill Cells 1 & 2 2016 LCS Pipe Jetcleaning

Work Performed March 2016

Conducted By:
Florida Jetclean
800-226-8013

FLORIDA JETCLEAN

HIGH PRESSURE WATER JETTING
EXPLOSION PROOF VIDEO INSPECTION
VACUUM TRUCK SERVICES
WWW.FLORIDAJETCLEAN.COM

7538 DUNBRIDGE DRIVE
ODESSA, FL 33556
T: 800-226-8013 / F: 813-926-4616
FLORIDAJETCLEAN@YAHOO.COM

REPORT

DATE : 4/4/2016
TO : Sheree Grant, Debbie Perez – Waste Management - Vista Landfill
FROM : Ralph Calistri (floridajetclean@yahoo.com)
SUBJECT : Vista Landfill Cells 1 & 2 Jetcleaning Project

Florida Jetclean completed the high-pressure water-jetting of the Cell 1 & 2 leachate collection piping on 3/31/2016.

As the below jetting log indicates, the Cell 1 & 2 leachate collection piping was jetcleaned end-to-end via overlapping efforts from each end utilizing high-pressure water-jetting nozzle.

VISTA LANDFILL – CELLS 1 & 2 LEACHATE COLLECTION SYSTEM JETTING LOG JETTING PERFORMED BY FLORIDA JETCLEAN MARCH 2016

<u>LOCATION</u>	<u>ACHIEVED DISTANCE (ft)</u>	<u>COMMENTS</u>
Cell 1 North C/O	600'	Entire pipe cleaned through overlap.
Cell 1 South C/O	1,000'	Entire pipe cleaned through overlap.
Cell 2 North C/O	700'	Entire pipe cleaned through overlap.
Cell 2 South C/O	900'	Entire pipe cleaned through overlap.

Based on the ability of the jet nozzle to pass through the entire pipe length without obstruction, the leachate collection system appears to be in a sound condition to deliver leachate.

Please call us with questions or concerns.

Regards,



Ralph Calistri - Florida Jetclean