

ATKINS

June 10, 2011

Susan J. Pelz, P.E.
Solid Waste Manager
Southwest District
Florida Department of Environmental Protection
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

Atkins North America, Inc.
482 South Keller Road
Orlando, Florida 32810-6101

Telephone: +1.407.647.7275

www.atkinsglobal.com/northamerica

Re: Lena Road Class I Landfill Operation Permit
Manatee County, WACS No. SWD-41-44795
Application for Minor Modification to
Operation Permit No.: 39884-018-SO/01

Dear Ms. Pelz:

Enclosed please find for the above referenced permit four complete applications for a minor modification to the Operation Permit to bring the Operation Plan up to date. Changes were highlighted in green or yellow and dated. The \$250 check for the application fee will be sent directly from our Accounting Department.

If you have any questions, please call me at 407-806-4153, or e-mail me at joseph.miller@atkinsglobal.com.

Sincerely,


Joseph L. Miller, P.E. #39177
Project Engineer

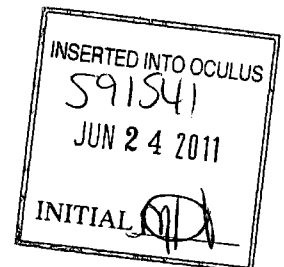
Cc: Bryan White, Manatee County Solid Waste w/2 copy

Attachments:

- 1) Application including Parts A, B and S.
- 2) Operation Permit Application Section K Operations Plan, Revised Pages K-2, K-3, K-4, K-7, K-17 and K-48.
- 3) Operation Permit Application Section K Attachment K-2, Revised Pages: Cover, K2-2, K2-4 and K2-15.
- 4) Revised table "Lena Road Landfill Equipment Replacement Schedule".
- 5) Revised Figure K-2-1 – Floor Plan for Household Hazardous Waste Collection and Storage Facility
- 6) Lena Road Landfill – Fill Sequence Plan – General Site Plan – Drawing C-2. Revised to show the location of the new shed for storage of electronic waste.

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FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
JUN 15 2011
SOUTHWEST DISTRICT
TAMPA



Reset Form

Print Form



Florida Department of Environmental Protection

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

DEP Form #: 62-701.900(1), F.A.C.

Form Title: Application to Construct, Operate, Modify, or
Close a Solid Waste Management Facility

Effective Date: January 6, 2010

Incorporated in Rule: 62-701.330(3), F.A.C.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

APPLICATION TO CONSTRUCT, OPERATE, MODIFY, OR CLOSE A SOLID WASTE MANAGEMENT FACILITY

APPLICATION INSTRUCTIONS AND FORMS

Northwest District
160 Governmental Center
Pensacola, FL 32502-5794
850-595-8360

Northeast District
7825 Baymeadows Way, Ste. B200
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 Pkwy
Temple Terrace, FL 33637
813-632-7600

South District
2295 Victoria Ave., Ste. 364
Fort Myers, FL 33901-3881
239-332-6975

Southeast District
400 North Congress Ave.
West Palm Beach, FL 33401
561-681-6600

INSTRUCTIONS TO APPLY FOR A SOLID WASTE MANAGEMENT FACILITY PERMIT

I. General

Solid Waste Management Facilities shall be permitted pursuant to Section 403.707, Florida Statutes,(FS) and in accordance with Florida Administrative Code (FAC) Chapter 62-701. A minimum of four copies of the application shall be submitted to the Department's District Office having jurisdiction over the facility. The appropriate fee in accordance with Rule 62-701.315, FAC, shall be submitted with the application by check made payable to the Department of Environmental Protection (DEP).

Complete appropriate sections for the type of facility for which application is made. Entries shall be typed or printed in ink. All blanks shall be filled in or marked "not applicable" or "no substantial change". Information provided in support of the application shall be marked "submitted" and the location of this information in the application package indicated. The application shall include all information, drawings, and reports necessary to evaluate the facility. Information required to complete the application is listed on the attached pages of this form.

II. Application Parts Required for Construction and Operation Permits

- A. Landfills and Ash Monofills - Submit Parts A through S
- B. Asbestos Monofills - Submit Parts A,B,C,D,E,F,I,K,M, O through S
- C. Industrial Solid Waste Disposal Facilities - Submit Parts A through S

NOTE: Portions of some Parts may not be applicable.

NOTE: For facilities that have been satisfactorily constructed in accordance with their construction permit, the information required for A, B and C type facilities does not have to be resubmitted for an operation permit if the information has not substantially changed during the construction period. The appropriate portion of the form should be marked "no substantial change".

III. Application Parts Required for Closure Permits

- A. Landfills and Ash Monofills - Submit Parts A,B,L, N through S
- B. Asbestos Monofills - Submit Parts A,B,M, O through S
- C. Industrial Solid Waste Disposal Facilities - Submit Parts A,B, L through S

NOTE: Portions of some Parts may not be applicable.

IV. Permit Renewals

The above information shall be submitted at time of permit renewal in support of the new permit. However, facility 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. Portions of the application not re-submitted shall be marked "no substantial change" on the application form.

V. Application Codes

S	-	Submitted
LOCATION	-	Physical location of information in application
N/A	-	Not Applicable
N/C	-	No Substantial Change

VI. LISTING OF APPLICATION PARTS

PART A:	GENERAL INFORMATION
PART B:	DISPOSAL FACILITY GENERAL INFORMATION
PART C:	PROHIBITIONS
PART D:	SOLID WASTE MANAGEMENT FACILITY PERMIT REQUIREMENTS, GENERAL
PART E:	LANDFILL PERMIT REQUIREMENTS
PART F:	GENERAL CRITERIA FOR LANDFILLS
PART G:	LANDFILL CONSTRUCTION REQUIREMENTS
PART H:	HYDROGEOLOGICAL INVESTIGATION REQUIREMENTS
PART I:	GEOTECHNICAL INVESTIGATION REQUIREMENTS
PART J:	VERTICAL EXPANSION OF LANDFILLS
PART K:	LANDFILL OPERATION REQUIREMENTS
PART L:	WATER QUALITY AND LEACHATE MONITORING REQUIREMENTS
PART M:	SPECIAL WASTE HANDLING REQUIREMENTS
PART N:	GAS MANAGEMENT SYSTEM REQUIREMENTS
PART O:	LANDFILL CLOSURE REQUIREMENTS
PART P:	OTHER CLOSURE PROCEDURES
PART Q:	LONG-TERM CARE
PART R:	FINANCIAL ASSURANCE
PART S:	CERTIFICATION BY APPLICANT AND ENGINEER OR PUBLIC OFFICER

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
APPLICATION FOR A PERMIT TO CONSTRUCT, OPERATE, MODIFY OR CLOSE
A SOLID WASTE MANAGEMENT FACILITY

Please Type or Print

PART A. GENERAL INFORMATION

1. Type of disposal facility (check all that apply):

- | | |
|--|--|
| ☒ Class I Landfill | ☐ Ash Monofill |
| ☐ Class III Landfill | ☐ Asbestos Monofill |
| ☐ Industrial Solid Waste | |
| ☐ Other Describe: | |

NOTE: Waste Processing Facilities should apply on Form 62-701.900(4), FAC;
Land Clearing Disposal Facilities should notify on Form 62-701.900(3), FAC;
Compost Facilities should apply on Form 62-701.900(10), FAC; and
C&D Disposal Facilities should apply on Form 62-701.900(6), FAC

2. Type of application:

- ☐ Construction
☒ Operation
☐ Construction/Operation
☐ Closure
☐ Long-term Care Only

3. Classification of application:

- | | |
|----------------------------------|--|
| ☐ New | ☐ Substantial Modification |
| ☐ Renewal | ☐ Intermediate Modification |
| | ☒ Minor Modification |

4. Facility name: Lena Road Class I Landfill Operation Permit

5. DEP ID number: SWD-41-44795 County: Manatee

6. Facility location (main entrance):
3333 Lena Road, Bradenton, Florida 34211

7. Location coordinates:

Section: (1) (31) (6&7) Township: (35S) (34S) (35S) Range: (18E) (19E) (19E)

Latitude: 27° 28' 10" Longitude: 82° 26' 35"

Datum: NAD 83 Coordinate Method: State Plane Florida East Zone NAD 83

Collected by: Issac F. Rooks, Jr., PSM #5416 Company/Affiliation: I.F. Rooks & Associates

8. Applicant name (operating authority): Manatee County Government - Utilities Department
Mailing address: 3333 Lena Road, Bradenton, Florida 34211
Street or P.O. Box City State Zip
Contact person: Mike Gore Telephone: (941) 806-5543 Ext. 8005
Title: Solid Waste Division Manager
mike.gore@mymanatee.org
E-Mail address (if available)
9. Authorized agent/Consultant: Atkins
Mailing address: 482 South Keller Road, Orlando, Florida 32810
Street or P.O. Box City State Zip
Contact person: Joe Miller Telephone: (407) 806-4153
Title: Project Manager
joseph.miller@atkinsglobal.com
E-Mail address (if available)
10. Landowner (if different than applicant): _____
Mailing address: _____
Street or P.O. Box City State Zip
Contact person: _____ Telephone: (____) _____

E-Mail address (if available)
11. Cities, towns and areas to be served:
All of Manatee County, both incorporated and unincorporated, Long Boat Key and small portions of
neighboring counties.

12. Population to be served:
Current: 318,176 Five-Year Projection: 326,072
13. Date site will be ready to be inspected for completion: N/A
14. Expected life of the facility: 31 years
15. Estimated costs:
Total Construction: \$ 0 Closing Costs: \$ 0
16. Anticipated construction starting and completion dates:
From: N/A To: N/A
17. Expected volume or weight of waste to be received:
_____ yds³/day _____ 1,280 tons/day _____ gallons/day

PART B. DISPOSAL FACILITY GENERAL INFORMATION

1. Provide brief description of disposal facility design and operations planned under this application:
This application is for a minor modification to the operation permit for changes in the operation plan.

2. Facility site supervisor: Brian White
Title: Landfill Superintendent Telephone: (941) 748-5543 Ext. 8008
bryan.white@mymanatee.org
E-Mail address (if available)
3. Disposal area: Total 316 acres; Used 316 acres; Available 0 acres.
4. Weighing scales used: ☒ Yes ☐ No
5. Security to prevent unauthorized use: ☒ Yes ☐ No
6. Charge for waste received: _____ \$/yds³ 36 \$/ton
7. Surrounding land use, zoning:
☒ Residential ☐ Industrial
☒ Agricultural ☐ None
☐ Commercial ☒ Other Describe:
Transportation and Utilities - Wastewater Treatment Plant

8. Types of waste received:
☒ Household ☒ C & D debris
☒ Commercial ☒ 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:

9. Salvaging permitted: ☐ Yes ☒ No

10. Attendant: ☒ Yes ☐ No

Trained operator: ☒ Yes ☐ No

11. Trained spotters: ☒ Yes ☐ No

Number of spotters used: 16

12. Site located in: ☐ Floodplain

☐ Wetlands

☒ Other:

13. Days of operation: Monday through Saturday

14. Hours of operation: 8:00 A.M. to 5:00 P.M.

15. Days Working Face covered: Daily - Monday through Saturday

16. Elevation of water table: 29 ft. Datum Used: Florida East Zone NAD 83

17. Number of monitoring wells: 18

18. Number of surface monitoring points: 2

19. Gas controls used: ☒ Yes ☐ No

Type controls: ☒ Active ☐ Passive

Gas flaring: ☒ Yes ☐ No

Gas recovery: ☒ Yes ☐ No

20. Landfill unit liner type:

☒ Natural soils

☐ Double geomembrane

☐ Single clay liner

☐ Geomembrane & composite

☐ Single geomembrane

☐ Double composite

☐ Single composite

☐ None

☒ Slurry wall

☐ Other Describe:

21. Leachate collection method:

- | | |
|--|---|
| ☒ Collection pipes | ☐ Sand layer |
| ☐ Geonets | ☐ Gravel layer |
| ☐ Well points | ☐ Interceptor trench |
| ☐ Perimeter ditch | ☐ None |
| ☐ Other Describe: | |

22. Leachate storage method:

- | | |
|--|---|
| ☐ Tanks | ☐ Surface impoundments |
| ☐ Other Describe: | |
| There is no leachate storage at the landfill | |

23. Leachate treatment method:

- | | |
|------------------------------------|---|
| ☐ Oxidation | ☐ Chemical treatment |
| ☐ Secondary | ☐ Settling |
| ☐ Advanced | ☒ None |
| ☐ Other | |

24. Leachate disposal method:

- | | |
|--|--|
| ☐ Recirculated | ☒ Pumped to WWTP |
| ☐ Transported to WWTP | ☐ Discharged to surface water/wetland |
| ☐ Injection well | ☐ Percolation ponds |
| ☐ Evaporation | ☐ Spray Irrigation |
| ☐ Other | |

25. For leachate discharged to surface waters:

Name and Class of receiving water:

Not applicable

26. Storm Water:

Collected: ☒ Yes ☐ No

Type of treatment:

Sand filter and/or mechanical filter.

Name and Class of receiving water:

Cypress Strand and Gates Creek via on-site wetlands.

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

MSSW Permit #403143.01

1. Applicant:

_____ is aware that statements made in this form and attached

Don C. G.
Signature of Applicant or Agent

Date: 6/13/2011

Signature _____
Joseph L. Miller, P.E., Project Manager

Date: June 10, 2011

Figure K-1

Landfill Operations - Typical Workweek Staff Schedule

(Revised June 10, 2011)

Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
Robert Bennett Landfill Operations Supervisor	Robert Bennett Landfill Operations Supervisor	Robert Bennett Landfill Operations Supervisor	Robert Bennett Landfill Operations Supervisor	Robert Bennett Landfill Operations Supervisor	
Joshua Fields Disposal Chief	Joshua Fields Disposal Chief	Joshua Fields Disposal Chief	Joshua Fields Disposal Chief		
Roy Ezell Landfill Attendant	Roy Ezell Landfill Attendant	Roy Ezell Landfill Attendant	Roy Ezell Landfill Attendant	Roy Ezell Landfill Attendant	
Wiley Ballard Landfill Operator	Wiley Ballard Landfill Operator	Wiley Ballard Landfill Operator	Wiley Ballard Landfill Operator		
John Gigiliotti Landfill Operator	John Gigiliotti Landfill Operator			John Gigiliotti Landfill Operator	John Gigiliotti Landfill Operator
Joe Dobosz Landfill Operator	Joe Dobosz Landfill Operator		Joe Dobosz Landfill Operator	Joe Dobosz Landfill Operator	
Juan Garza Landfill Operator	Juan Garza Landfill Operator			Juan Garza Landfill Operator	Juan Garza Landfill Operator
Timothy Clarkson Landfill Operator	Timothy Clarkson Landfill Operator			Timothy Clarkson Landfill Operator	Timothy Clarkson Landfill Operator
Clayton Mathis Landfill Operator	Clayton Mathis Landfill Operator	Clayton Mathis Landfill Operator	Clayton Mathis Landfill Operator	Clayton Mathis Landfill Operator	
		Eric Siegfried Disposal Chief	Eric Siegfried Disposal Chief	Eric Siegfried Disposal Chief	Eric Siegfried Disposal Chief
Keith Jones Landfill Operator	Keith Jones Landfill Operator		Keith Jones Landfill Operator	Keith Jones Landfill Operator	
		Vacant Landfill Operator	Vacant Landfill Operator	Vacant Landfill Operator	Vacant Landfill Operator
		Danny Newman Landfill Operator	Danny Newman Landfill Operator	Danny Newman Landfill Operator	Danny Newman Landfill Operator
Mathew Stull Landfill Operator	Mathew Stull Landfill Operator	Mathew Stull Landfill Operator	Mathew Stull Landfill Operator		
Anthony Detweiler Landfill Operations Supervisor	Anthony Detweiler Landfill Operations Supervisor	Anthony Detweiler Landfill Operations Supervisor	Anthony Detweiler Landfill Operations Supervisor	Anthony Detweiler Landfill Operations Supervisor	
Richard Jones Maintenance Chief	Richard Jones Maintenance Chief	Richard Jones Maintenance Chief	Richard Jones Maintenance Chief	Richard Jones Maintenance Chief	
Armando Ayala Landfill Operator	Armando Ayala Landfill Operator	Armando Ayala Landfill Operator	Armando Ayala Landfill Operator	Armando Ayala Landfill Operator	
Mark Bell Landfill Operator	Mark Bell Landfill Operator	Mark Bell Landfill Operator	Mark Bell Landfill Operator	Mark Bell Landfill Operator	
Keith Parker Landfill Operator	Keith Parker Landfill Operator	Keith Parker Landfill Operator	Keith Parker Landfill Operator	Keith Parker Landfill Operator	
Gary Seeley Landfill Operator	Gary Seeley Landfill Operator	Gary Seeley Landfill Operator	Gary Seeley Landfill Operator	Gary Seeley Landfill Operator	
Richard Beaulieu Landfill Operator	Richard Beaulieu Landfill Operator	Richard Beaulieu Landfill Operator	Richard Beaulieu Landfill Operator	Richard Beaulieu Landfill Operator	

Note: This schedule is updated as needed

2.0 Operations Plan

a. Designation of Responsible Operating and Maintenance Personnel

The Manatee County Solid Waste Management Facility (Landfill) is owned by Manatee County Government and operated under the direction of the Utilities Department, Solid Waste Division. An After Hours Contact List is provided in Table K-1, and a list of landfill positions is given below

Solid Waste Division Manager*	Landfill Superintendent *
Landfill Operation Supervisor (2) *	Household Hazardous Waste Technician*
Solid Waste Coordinator *	Solid Waste Maintenance Chief *
Solid Waste Disposal Chief (2)*	Administrative Assistant
Landfill Operator (15)*	Landfill Attendant*
Scalehouse Supervisor	Recycling Program Coordinator*
Senior Scalehouse Operator (2)	Recycling Program Specialist
Scalehouse Operator (4)	Solid Waste Enforcement Officers (4)*

* Trained spotters (Revised June 10, 2011)

b. Contingency Operations for Emergencies

In the event of an emergency, the County may close the landfill during the emergency event, but will maintain open access to the landfill after the emergency condition passes or the threat level drops. For example, the landfill will be closed during a hurricane, but opened after the hurricane has passed. On-site equipment may not be sufficient to maintain the excess volume of waste generated in an emergency. If so, backup equipment will be rented within 24 hours from the County's approved bid list. Additionally, back-up equipment will be provided for equipment breakdowns and down time for routine maintenance. In the case of equipment failure or emergencies, rental equipment or equipment from other County agencies will be delivered to the site within 24 hours if necessary.

Emergency conditions at the landfill may occur as a result of natural weather events (tornado, flooding, hurricanes, etc.) or fire. Staff is currently equipped to mobilize to alternative sites that will be designated as such in conjunction with the Manatee County Emergency Management Department. In the event that emergency conditions interrupt operations at the landfill, a contingency plan will be developed and implemented to establish temporary operations on a case-by-case basis, dependent on conditions at alternative sites such as the closed Erie Road Landfill. Such temporary operations will accept storm debris only, and will be terminated and disposal operations resumed at Lena Road Landfill as soon as practical. If the Lena Road Landfill cannot operate during an emergency, solid waste collection trucks will be diverted to Waste Management's Okeechobee Landfill.

When an emergency condition threatens the landfill operation, the following actions will be taken:

1. Daily cover shall be applied to all exposed refuse before a major storm arrives, if possible.
2. All landfill equipment shall be parked near any natural windscreens such as earthen mounds and berms.
3. All lightweight signs and equipment shall be secured.
4. When operation resumes, work shall commence in dry areas only (up from the active face).
5. Refuse shall not be disposed of in standing water.

Lena Road Landfill Operations Permit
May 10, 2010

**Table K-1 (Revised June 10, 2011)
Emergency and After Hours Contacts
Lena Road Landfill/Solid Waste Division**

Person/Agency	Telephone Number
Fire Department Battalion Captain Stacey Bailey Chief Byron Teates Manatee County Fire Rescue Administration Office: 3200 Lakewood Ranch Blvd, Bradenton First Responder: Station 2 803 60 th Street Court East Bradenton, FL 34202	911 Non-Emergency # 751-5611
<u>Ambulance</u>	911
<u>Bomb Squad</u> Lieutenant Gary Samons	<u>Sheriff</u> 911 Non-Emergency # 747-3011 Extension 1980
<u>Public Safety Haz Mat Coordinator</u> Bob Tollise	911 Non-Emergency # 727-6223
<u>Mike Gore, Solid Waste Division Manager</u>	H: 322-8094 C: 812-4531
<u>Bryan White, Landfill Superintendent</u>	H: 322-2369 C: 812-2455
<u>Bob Bennett, Landfill Operations Supervisor</u>	H: 758-1741 C: 704-7855
<u>Anthony Detweiler, Landfill Operations Supervisor</u>	H: 322-8703 C: 812-8796
<u>Eric Siegfried, Solid Waste Disposal Chief</u>	H: 756-3507 C: 730-6554
<u>Joshua Fields, Solid Waste Disposal Chief</u>	C: 321-3290
<u>Richard Jones, Solid Waste Maintenance Chief</u>	C: 322-4104
<u>David Pickup, Recycling Coordinator</u>	C: 962-4087
<u>Debora Brazier-Jones, Scalehouse Supervisor</u>	H: 755-8950
<u>Jeanne' Detweiler, Solid Waste Coordinator</u>	H: 322-8703 C: 812-4301
<u>Department of Environmental Protection</u> Susan Pelz	Office: 813-632-7600 X 386

Lena Road Landfill Operations Permit
May 10, 2010

- Used oil (up to 1000 gallons) is to be removed quarterly
- Paints (up to 16,600 gallons) are to be removed quarterly
- Batteries (up to 300 batteries) are to be removed quarterly
- Light bulbs (up to 300 3000) are to be removed at least quarterly
- Electronic devices (up to 50,000 pounds) are to be removed quarterly
- Household Hazardous Waste (up to 2,500 pounds) are to be removed quarterly

White Goods

All white goods containing Freon (e.g., refrigerators, air conditioners) are segregated from the waste stream and placed upright in the staging area. Freon is removed by a certified operator, and the item marked as being Freon free. The compressors are removed and oils drained off-site for collection by a licensed hazardous waste transporter under the direction of the scrap metal processor. The white goods are then moved to the general white goods/scrap metal area for collection by the scrap metal contractor.

All white goods, as defined in 62-701.200 (141), entering the landfill in separated loads are sent directly to the designated white goods/scrap metal storage area to be collected by a private scrap metal contractor for recycling purposes.

Up to 400 tons of scrap metal and white goods (a maximum of 600 pieces of white goods) can be stored in this area. The minimum frequency for removal is every six months.

Yard Waste

Disposal of yard waste in the Class I Landfill is prohibited. All incoming yard waste is directed to the designated area to be processed on site by a contracted vendor and removed from the site for re-use in land applications or waste-to-energy plants as fuel. Mulch is also used for the wet weather area during rainy season to assure access to the tipping area during rain events. The minimum frequency for processing yard trash is once every six months or when 3,000 tons (12,000 cubic yards) are accumulated. The contracted vendor then removes the shredded material for re-sale to various outlets for land applications or waste-to-energy plants for fuel. The fines generated are also utilized at the Landfill and mixed with soil for use as initial cover.

Tires

Tires entering the landfill are directed to the permitted storage area. Large agricultural equipment tires and large or solid forklift tires that cannot be processed for recycling are sent to the landfill disposal area for disposal in the landfill. The contracted vendor removes the tires to a waste-to-energy facility for processing and use as a fuel additive. Removal by the vendors is conducted on an on-call basis.

Batteries

State regulations prohibit disposal of lead-acid batteries in a landfill. The County prohibits collection of batteries by its franchised waste haulers. The Solid Waste Management Act aids in providing for proper disposal by requiring that all entities that sell batteries at retail shall accept used batteries as trade-ins for new batteries.

7.0 Waste Compaction

a. Waste Layer Thickness

Waste is typically dumped at the toe of the working face and is spread over the face in a maximum of two-foot lifts prior to compaction. This procedure continues throughout the day for a typical lift thickness of no more than 10-feet.

b. First Waste Layer

The area to be filled has been completely covered by waste during previous permit periods. The first layer of waste placed above the leachate collection system in Stage II will be a minimum of four feet in compacted thickness and shall consist of selected wastes containing no large rigid objects that may damage the leachate collection system. Special care shall be exercised when filling around pump stations to prevent damage.

c. Slopes and Lift Depths

The exterior landfill side slope is constructed at 4:1 (H:V) because due to settlement the side slope tends to settle to a final slope of 5:1. Any temporary slopes for such structures as storm water diversion dikes, roads, excavations, etc. are constructed with slopes no steeper than 3:1. The lift depths shall be 10-feet or less. The typical minimum top slopes to promote drainage are generally one percent within the bermed working face, and two percent on the intermediate cover areas.

d. Working Face

The active face width is no greater than necessary to accommodate the peak number of disposal vehicles at one time. The wider the active face, the more cover soil is used. The County uses an active face of 150 feet. The working area of the active face slope is approximately 5 horizontal to 1 vertical. The objective for the dimensions of the active face is to maximize the volume to face surface ratio.

e. Initial Cover Controls

Materials used as cover include tarp alternative daily cover (ADC), soil, ~~street sweepings, ditch cleaning soil, dredge material,~~ soil with up to 25% fines from the yard processing area and recovered screen material (RSM) from Department permitted facilities. The ADC, when used, covers the working face with a weighted tarp. Currently, 100' x 40' tarps are used to cover the working face. Soil, when used, is applied daily at a minimum thickness of six inches. ~~While~~ The Department in letters dated February 14, 2002 and August 27, 2002 (See attachment K-1 for copies of letters) permitted ground-up construction and demolition debris including asphalt roofing shingles, unscreened, applied in a six inch compacted layer as initial cover within the bermed working area. ~~Manatee County no longer uses these types of materials and does not plan to use these again. Soil, with up to 25% fines from yard trash processing by volume, may be used for initial cover.~~ (Revised June 10, 2011)

14.0 Special Waste Handling

a. Motor Vehicles

Motor vehicles are not presently accepted for disposal or temporary storage at Lena Road Landfill.

b. Shredded Waste

Shredded municipal waste is not accepted for disposal at Lend Road Landfill. Shredded tires may be accepted if not recycled.

c. Asbestos

Asbestos containing materials from sources covered under the National Emission Standards for Asbestos, 40 CFR Part 61, Subpart M are accepted at Lena Road Landfill, with prior approval of the County. These materials will be placed in the landfill by appointment only, covered with a minimum of one foot of ~~cover soil~~ non-asbestos containing waste or soil, and the location will be recorded in accordance with 40 CFR Part 61.154. A record of the location of asbestos-containing waste will be maintained. (Revised June 10, 2011)

d. Contaminated Soil

Soils contaminated with non-hazardous waste and petroleum-contaminated soil, which has been treated pursuant to Chapter 62-775, F.A.C., will be accepted at the discretion of the County.

e. Biological Waste

Biological waste is not accepted.

Attachment K-2

**Household Hazardous Waste Collection
And Storage Facility**

**Lena Road Landfill
3333 Lena Road
Bradenton, FL 34202**

Revised May 10, 2010

Prepared by:

Manatee County Government
Utilities ~~Operations~~ Department
Solid Waste Division
3333 Lena Road
Bradenton, FL 3421

(Revised June 10, 2011)

2.0 History

The Manatee County Household Hazardous Waste Collection and Storage Facility opened in May 1993 within the Stage III Landfill. This facility was removed as solid waste filled the Stage III Landfill.

The recently completed Administration Facilities includes a household hazardous waste collection and storage facility. The facility floor plan is shown on Figure K-2-1, and a cross section is shown on Figure K-2-2. The building includes forced air ventilation, dry chemical fire suppression system, and storage for hazardous waste. The building is engineered to comply with EPA, NAPA, and OSHA standards and regulations for storing hazardous chemicals and wastes. The building is also corrosion resistant and features secondary containment for the prevention of spills or leaks. The facility has a concrete slab and is under a roof as shown on the figures. The materials processed and the method of processing remains essentially the same at the new facility.

Note: Figure K-2-1 revised May 2011. (Revised June 10, 2011)

Facility Program

Monthly collections/events are operated by the certified Household Hazardous Waste Technician in the new Hazardous Waste Facility located at ~~of~~ the Landfill. The Hazardous Waste contractor is on site at the collection to assist with unloading. The contractor bulks and lab packs any of the waste material received during the collection. Partial containers are stored in the Hazardous Waste storage building until the following monthly collection. The ~~certified~~ Hazardous Waste Technician reviews all paperwork and has the responsibility of approving and signing outgoing manifests.

Materials are accepted from County residents during non-operating hours by appointment ~~or as determined by~~ the HHW technician. In addition, collection services at the residence are available for those persons who are unable to attend the event due to circumstance of health, ~~handicap- physically~~ disabled or age.

Manatee County has a ~~permanent~~ Household Hazardous Waste program for the collection of materials at the facility. Monthly collections are conducted for the residential citizens and annual or semi-annual events for the CESQGs. These events are advertised in the County's utility billing and the local newspapers. General Household Hazardous Waste program information is available on the County's website at www.mymanatee.org/hhw.

~~Monthly collection events are operated by the Household Hazardous Waste Technician and two three trained assistants. The Hazardous Waste contractor is also on site with staff and equipment to bulk and lab pack materials collected during the collection. All partial containers are stored within the Hazardous Waste storage building at the Lena Road Landfill until the following monthly collection.~~

(Revised June 10, 2011)

13.0 Waste Segregation

The following are bulked as grouped below:

- Latex based paints,
- Oil based paints,
- Antifreeze,
- Motor oil and transmission fluid.

The wastes are compatible for bulking, and are only bulked if clearly identified by sight, smell, container, label and source. Any wastes that are not clearly identifiable are not bulked, and the unknown wastes are sent with contractor.

Paint is stored in a lined 40 yard roll off container or lined crates located on a concrete pad. ~~covered with a plastic sheet.~~ Paint is bulked into a 55-gallon steel drum, and generally removed the same day or within 24-hours. If paint is spilled, it is contained on the plastic sheet by absorbent pads or absorbent.

Antifreeze is bulked into a 55-gallon drum. If antifreeze is spilled it is contained on the plastic sheet by absorbent pads or absorbent.

Motor oil and transmission fluid is being poured into a 20 gallon tank then pumped (or poured using a funnel) into a 500-gallon storage tank or in 375 or 275 gallon portable tanks. The bulking is done outside, under a main roof of the Hazardous Waste Facility. ~~within a containment area.~~

13.3 Unknowns

Unknowns are accepted. These items are materials that cannot be identified by either original labels or by participant knowledge. The following procedures are adhered to:

- Unknowns will be sent out with the contractor.
- Place material into appropriate storage building according to suspected hazards.

13.4 Electronic Waste

Electronic waste such as TVs, computer monitors, microwave ovens, telephones, keyboards, VCRs, radios, etc. are received at the Household Hazardous Waste Collection. The contractor is on site during the collection event and materials are sorted, palletized, shrink wrapped or put in Gaylord boxes then removed the day of the collection. If there are more pallets than the will fit in the contractor's trucks, the pallets of materials and/or roll-off box are stored under the roof of the Household Hazardous Waste Facility until the contractor comes to pick them up. The contracted e-scrap recycler removes the e-scrap for processing and recycling. Broken glass and components from broken units is swept up and properly disposed.

Electronic waste is also collected curbside by the contracted waste haulers. The hauler brings the materials to the landfill to be stored in the designated area which is the SW corner of the white goods/scrap metal concrete pad. Additionally, residents may drop off electronic waste Monday through Saturday during landfill hours. This material is stored in the SW corner of the white goods/scrap metal area also. Materials are removed by a private recycling contractor for proper recycling. (Revised June 10, 2011)

LENA ROAD LANDFILL EQUIPMENT REPLACEMENT SCHEDULE

	MODEL/YEAR	ASSET #	CAT SERIAL NUMBER	DELIVERY DATE AMOUNT PAID	BUY BACK DATE BUY BACK AMOUNT	WARRANTY EXPIRES	2008/2009	2009/2010	2010/2011	2011/2012
1	Compactor 06 Cat 836H	50378	OBXD00426	10/30/2006/\$848,000	☀10/30/11 - \$200,000	10/30/11 or 7500 Hrs				
2	Compactor 08 Cat 836H	52582	OBXD00684	9/3/08/\$863,000	***** 9/3/2011 - \$280,000	9/3/11 or 7500 Hrs	863,000			
3	Compactor 10 Cat 836H	54462	OBXD01010	8/25/2010/\$788,988	9/26/2014 - \$250,000	9/26/14 or 7500Hrs		788,988		
4	Dozer 07 Cat D7R LPG	54106	OABJ01731	2/5/2010/\$478,305	2/5/2014 - \$180,000	2/5/14 or 7500 Hrs		479,000		
5	Dozer 07 Cat D7R LPG	54107	OABJ01732	2/8/2010/\$478,305	2/8/2014 - \$180,000	2/8/14 or 7500 Hrs		479,000		
6	Dozer 07 Cat D7R LPG	54108	OABJ01733	2/16/2010/\$478,305	2/16/2014 - \$180,000	2/16/10 or 7500 Hrs		479,000		
7	Dozer 07 Cat D7R LPG	54109	OABJ01734	2/22/2010/\$478,305	2/22/2014 - \$180,000	2/22/14 or 7500 Hrs		479,000		
8	Excavator 04 Cat 345BL	47296	OAGS02530	10/14/2004/\$320,000	10/14/09 - \$120,000	10/14/09 or 7500 Hrs				
9	Excavator 06 Cat 345CL	50365	PJW01406	10/5/2006/\$429,000	10/5/11 - \$165,000	11/14/11 or 7500 Hrs				
10	Scraper 03 Cat 623G	46268	OCES00463	1/16/2004/\$550,000	1/16/2009 - \$125,000	1/16/09 or 7500 Hrs				
11	Dozer 06 Cat D6TLGP	51116	OWCG00342	7/23/07/\$343,000		7/23/12 or 7500 Hrs				365,000
13	Dump Truck 06 Cat 740 Ejector	49857	OB1R00254	8/17/2006/\$580,000		8/17/11 or 7500 Hrs				
14	Dump Truck 08 Cat 740 Ejector	52386	OB1R00453	7/21/08/\$595,397		7/21/13 or 7500 Hrs				
15	Dump Truck 09 Cat 740 Ejector	53618	OB1R00465	5/14/09/\$515,000		5/14/14 or 7500 Hrs	515,000			
16	Loader 05 Cat 950G	47493	AXX01429	6/22/2005/\$180,000		6/22/09 or 7500 Hrs				258,000
17	Loader 07 Cat 950H	50843	KSK01381	5/15/07/\$241,000		5/15/12 or 7500 Hrs				
18	Loader 09 Cat 950G	53641	KS5K02393	6/10/09/\$256,436		6/10/14 or 6,000 Hrs	257,000			
19	Water Wagon 01 Cat 613C	42442	8LJ02122	7/13/2001/\$215,000						
20	Water Wagon 07 Cat 613CII	51835	8LJ03393	1/3/08/\$331,000		1/3/13 or 7000 Hrs				
21	Grader 02 Cat 143H	44155	1AL01321	9/20/2002/\$173,000		9/20/2007 or 5000 Hrs				
22	Vibrating Roller 07 Saki	50574		3/9/2007/\$76,000		3/19/10 or 3000 Hrs				
23	02 John Deere 7810	44484		12/10/2002/\$82,000						
24	02 Schulte 21' Flex Deck	45322		6/24/2003/\$16,000						16,900
25	06 Massey Ferguson 6495	49048		3/17/2006/\$80,000						
26	06 Alamo Eagle 20' Flex Deck	49770		7/19/2006/\$18,400						
27	07 Kubota M7040HDC	51225		8/29/07 \$43,000						
28	06 6' Finish Rotary Cutter Deck	49707		6/20/2006/\$3,500						
29	99 Bush Hog 15' Flex Deck	40672		11/17/1999/\$11,000						
30	Refueler 02 International 4300	44483		12/9/2002						
31	04 Roll-Off Truck/Containers	46828		7/13/2004/\$139,000						
32	Tarpomatic 04 28T	47295		10/4/2004/\$75,000						70,000
33	Tarpomatic 06 28T	49499		4/19/2006/\$82,000						
34	Pump 04 6" 6V-DDST-4-2011	47366		12/13/2004/\$25,000						
35	Pump 06 6" 6V-DDST-4-2011	48865		2/14/2006/\$28,000						
36	Air Compressor 99 2545E10	39965		2000/\$13,000					15,000	
37	Skag Mower 2010 # E2100202	54280		5/11/10/\$14,543				14,543		
38	Grasshopper Mower 08 928D	52367		7/16/08/\$13,500						
39	Forklift 96 JCB 930B	34465		8/26/1996/\$33,000						
40	Trailer 01 Crosley 8.5x25	42631		9/28/2001/\$8,000						
41	Flare Air Compressor IRN10H-150	54212		12/17/2009/\$12992						
42	Tennant Sweeper #S30-2151	54283		5/14/2010/\$42,291				42,291		
TOTAL COST REPLACEMENT							1,635,000	2,761,822	15,000	709,900

Equipment in red - on buy backs. ☀Original buy back date for #50124 was 9/26/09, #50378 was 10/30/09, both in the amount of \$250,000.

*****Price to rebuild #52582, not taking advantage of buy back. REV 11/2/10

CC: UD - Tina Fletcher, Bev Chiotti, FMD - Peggy Curtin, Sandy Kirkby
Mike Gore, Bryan White, Bob Bennett, Anthony Detweiler, Jeanne Detweiler
Fleet - Mike Brennen, Ron Kennedy

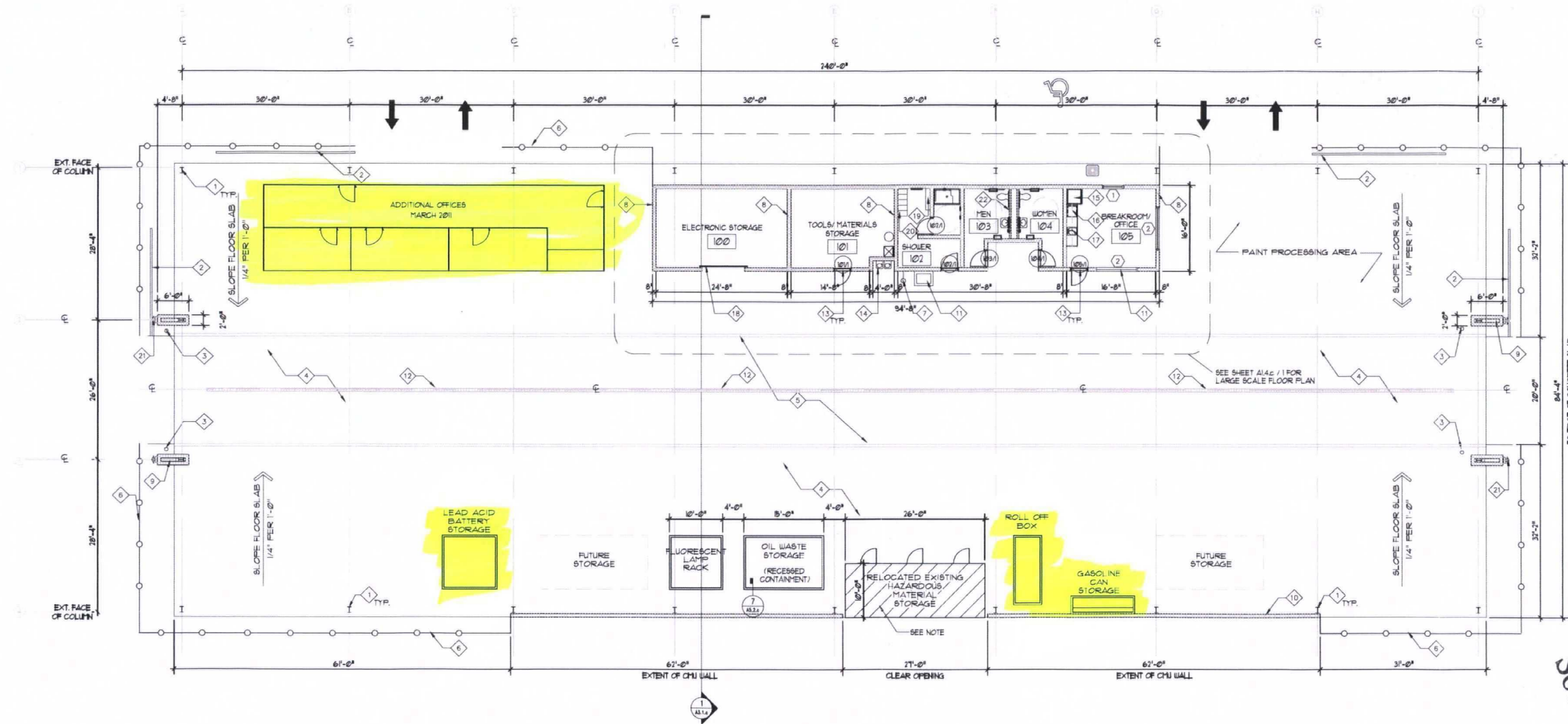
FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
JUN 15 2011
SOUTHWEST DISTRICT
TAMPA

LENA ROAD LANDFILL EQUIPMENT REPLACEMENT SCHEDULE

2012/2013		MODEL/YEAR	2013/2014	2014/2015	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023
	1	Compactor 06 Cat 836H										
312,865	2	Compactor 08 Cat 836H				1,060,213				1,060,213		
	3	Compactor 10 Cat 836H	1,060,213				1,060,213				1,060,213	
	4	Dozer 04 Cat D7RLGP	479,000				479,000				479,000	
	5	Dozer 04 Cat D7RLGP	479,000				479,000				479,000	
	6	Dozer 04 Cat D7RLGP	479,000				479,000				479,000	
	7	Dozer 04 Cat D7RLGP	479,000				479,000				479,000	
	8	Excavator 04 Cat 345BL		472,000								
	9	Excavator 06 Cat 345CL				472,000						
	10	Scraper 03 Cat 623G			719,000					719,000		
	11	Dozer 07 Cat D6TLGP				365,000					365,000	
	12	Dump Truck 06 Cat 740 Ejector	700,000							700,000		
	13	Dump Truck 08 Cat 740 Ejector			700,000							700,000
	14	Dump Truck 09 Cat 740 Ejector				515,000						
	15	Loader 05 Cat 950G				258,000					258,000	
	16	Loader 07 Cat 950H	258,000					258,000				
	17	Loader 09 Cat 950G			258,000					258,000		
	18	Water Wagon 01 Cat 613C										
375,000	19	Water Wagon 07 Cat 613CII					375,000					375,000
	20	Grader 02 Cat 143H	173,000									173,000
	21	Vibrating Roller 07 Saki					76,000					
	22	02 John Deere 7810		80,000								
	23	02 Schulte 21' Flex Deck								16,900		
	24	06 Massey Ferguson 6495			80,000							
	25	06 Alamo Eagle 20' Flex Deck			18,400							
	26	07 Kubota M7040HDC				80,000						
	27	06 6' Finish Rotary Cutter Deck				3,500						
	28	99 Bush Hog 15' Flex Deck										
	29	Refueler 02 International 4300	93,000									
	30	04 Roll-Off Truck/Containers	139,000									139,000
	31	Tarpomatic 04 28T					70,000					
	32	Tarpomatic 06 28T		70,000						70,000		
25,000	33	Pump 04 6" 6V-DDST-4-2011								25,000		
	34	Pump 06 6" 6V-DDST-4-2011			25,000							25,000
	35	Air Compressor 99 2545E10				15,000						15,000
	36	Skag Mower 2010 #E2100202		15,000					15,000			
16,000	37	Grasshopper Mower 08 928D					16,000					
55,000	38	Forklift 96 JCB 930B										
	39	Trailer 01 Crosley 8.5x25		7,800								
	40											
	41	Tennant Sweeper #S30-2151							42,291			
783,865		TOTAL COST REPLACEMENT	4,339,213	644,800	1,800,400	2,768,713	3,513,213	258,000	57,291	2,849,113	3,599,213	1,427,000
Landfill -												

FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
JUN 15 2011
SOUTHWEST DISTRICT
TAMPA

U:\OldH_S\ENVCADD\WASTEMAN\Manatee\LenoRd\Community Drop-Off\A1.1.dwg Jun 10, 2011 - 2:13pm



DRAWING NOTES

1. COLUMNS FOR METAL BUILDING STRUCTURE (TYP.)
2. 25'-0" WIDE ROLLING GATE WITH OVERHEAD TRACK (TYP.)
3. 8" PIPE BOLLARDS
4. CONCRETE SLAB
5. PAINTED STRIPES ON CONCRETE SLAB
6. 8'-0" HIGH CHAIN LINK FENCE
7. EMERGENCY SHOWER / EYE WASH COMBINATION
8. 8' CMU WALLS
9. 2'-0" x 6'-0" CONC. PILASTERS (SEE ELEVATION SHEET A21c)
10. 8' CMU - SCREEN WALL
11. UTILITY TUB/SINK
12. TRENCH DRAIN
13. THRESHOLDS
14. HI-LO ELECTRIC WATER COOLERS
15. REFRIGERATOR (N.I.C.)
16. MICROWAVE (N.I.C.)
17. SINK
18. OVERHEAD DOOR
19. BENCH
20. LOCKERS
21. WALL SCISSORS (TYP.)
22. 4" CMU WALLS - INTERIOR WALLS

NOTE:
CONTRACTOR SHALL COORDINATE WITH OWNER THE RELOCATION OF AN EXISTING HAZARDOUS MATERIAL STORAGE (PREABRICATED BUILDING). THE EXISTING HAZARDOUS MATERIAL STORAGE SHALL BE PLACED IN ITS NEW LOCATION PRIOR TO INSTALLATION OF METAL BUILDING ROOF AND/OR STRUCTURAL MEMBERS THAT MAY INTERFERE WITH THE PLACEMENT OF THE STORAGE BUILDING.

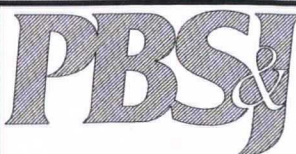
LEGEND

- CMU WALLS
- INT. FRAME WALLS, NON-RATED
- DRAWING NOTES - SEE THIS SHEET
- DOOR KEY - SEE DOOR SCHEDULE, SHEET A61c
- WINDOW KEY - SEE WINDOW SCHEDULE, SHEET A61c
- ROOM TAG - SEE FINISH SCHEDULE, SHEET A61c
- DETAIL KEY - SEE DETAIL AS INDICATED
- WALL TYPES - SEE SHEET A51c

Revised
May 2011

FLOOR PLAN
SCALE: 3/32" = 1'-0"
20,493 SQ. FT.

Southwest District
JUN 15 2011
Dept. of Environmental
Protection



5300 WEST CYPRESS ST.
SUITE 300
TAMPA, FLORIDA 33607
Ph. (813) 282-7275

CLIENT
**MANATEE COUNTY
PROJECT MANAGEMENT
DEPARTMENT**
1026 26TH AVENUE EAST
BRADENTON, FLORIDA 34206



PROJECT NAME:

**LENA ROAD LANDFILL
FACILITIES PROJECT - PHASE II**

MANATEE COUNTY PROJECT NO: 60083

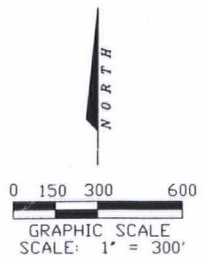
**COMMUNITY DROP-OFF
FLOOR PLAN**

ORIGINAL
REVISIONS
1
2
3
4
5

FIG. K-2-1
NEW FACILITY FLOOR PLAN
HOUSEHOLD HAZARDOUS WASTE
COLLECTION AND STORAGE FACILITY
OPERATION PLAN

PBS&J NO. 120498.13
DATE 11/25/02
DRAWN SC
CHECKED GS
QC
SHEET
A11.c

100% CONSTRUCTION DOCUMENTS



AERIAL PHOTOGRAPH PROVIDED BY:
LF. ROOKS & ASSOCIATES, INC.
106 N.W. DRANE ST.
PLANT CITY, FL 33566
(813) 752-2113

DATE FLOWN: JANUARY 25, 2010

Revised
Dept. of Environmental
Protection
JUN 15 2011
Southwest District

REPLACE 2009 AERIAL PHOTOGRAPHY
WITH 2010 AERIAL PHOTOGRAPHY



482 South Keller Road
ORLANDO, FL 32810-6101
TEL (407) 647-7275
FAX (407) 647-0624
WWW.PBS&J.COM
POST BUCKLEY, SCHUH & JERNIGAN, Inc.
2750 G. P.B.S. & J.
3300 West Cypress Street Suite 200
Tampa, FL 33607
FBPR Certificate of Authorization No.: 24

CLIENT
MANATEE COUNTY
BOARD OF COUNTY COMMISSIONERS

PROJECT
LENA ROAD LANDFILL
FILL SEQUENCE PLAN

TASK
GENERAL SITE PLAN

ORIGINAL NOV. 2009
REVISIONS:
1. APRIL 2010
2.
3.
4.
5.

6.
7.
8.
9.
10.
11.
12.

Name: JOSEPH L. MILLER
Florida P.E. No.: 32112
Address: PBS&J
482 S. Keller Road
Orlando, FL 32810-6101
Signature: [Signature]
Date: 6/10/11

JOB NO. 100008517
DRAWN RGC
DESIGN RGC/JLM
CHECKED JLM
O.G. DED
SHEET / #

**Southwest District
Permitting Application**

Sutton

~~New Site~~

Site Name:		
Site ID:	WACS ID#:	
County:		
Type/Subcode:		
Fee submitted:	(/) correct	() incorrect
Total Fee Required \$ _____ Need \$ _____ Refund \$ _____		

Existing Site

Site ID: 39884-020		
Project Name: Special Waste Shed	WACS ID#: 44725	
Type/Subcode: SD/MM	New / <u>Modification</u> / Renewal	
Fee submitted: 250.00	(/) correct	() incorrect
Total Fee Required \$ 250.00 Need \$ _____ Refund \$ _____		

Applicant Information

Name: DANIEL GRAY	
Role: APPLICANT	
Company: MANATEE CO. GOVERNMENT UTILITIES DEPT.	
Address: 4410 660 th STREET WEST	
City: BRADENTON	Zip Code: 34210
Phone: (941) 792-8811	

Fee verified by: N. GASKIN

Application Assigned To: _____ Date: _____



June 10, 2011

Susan J. Pelz, P.E.
Solid Waste Manager
Southwest District
Florida Department of Environmental Protection
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

Atkins North America, Inc.
482 South Keller Road
Orlando, Florida 32810-6101

Telephone: +1.407.647.7275

www.atkinsglobal.com/northamerica

Dept. of Environmental
Protection

JUN 21 2011

Re: Lena Road Class I Landfill Operation Permit
Manatee County, WACS No. SWD-41-44795
Application for Minor Modification to
Operation Permit No.: 39884-018-SO/01

Southwest District

Dear Ms. Pelz:

Enclosed please find for the above referenced permit four complete applications for a minor modification to the Operation Permit to bring the Operation Plan up to date. Changes were highlighted in green of yellow and dated. The \$250 check for the application fee will be sent directly from our Accounting Department.

If you have any questions, please call me at 407-806-4153, or e-mail me at joseph.miller@atkinsglobal.com.

Sincerely,

Joseph L. Miller, P.E. #39177
Project Engineer

Cc: Bryan White, Manatee County Solid Waste w/2 copy

Attachments:

- 1) Application including Parts A, B and S.
- 2) Operation Permit Application Section K Operations Plan, Revised Pages K-2, K-3, K-4, K-7, K-17 and K-48.
- 3) Operation Permit Application Section K Attachment K-2, Revised Pages: Cover, K2-2, K2-4 and K2-15.
- 4) Revised table "Lena Road Landfill Equipment Replacement Schedule".
- 5) Revised Figure K-2-1 – Floor Plan for Household Hazardous Waste Collection and Storage Facility
- 6) Lena Road Landfill – Fill Sequence Plan – General Site Plan – Drawing C-2. Revised to show the location of the new shed for storage of electronic waste.

ATKINS

40 Boy Scout Blvd.
Suite 700
Tampa, Florida 33607

Bank of America, N.A.
Atlanta, Georgia
64-1278/611

1187162

CHECK DATE

June 1, 2011

PAY Two Hundred Fifty Dollars And 00 Cents*****

AMOUNT \$250.00

TO FDEP (FLORIDA DEPT OF ENV PROTECTION)
SOUTHWEST DISTRICT OFFICE
13051 NORTH TELECOM PARKWAY
TEMPLE TERRACE, FL 33617
UNITED STATES

OPERATIONAL ACCOUNT

Duffy
AUTHORIZED SIGNATURE

VOID AFTER 90 DAYS

⑈1187162⑈ ⑆061112788⑆ 003299831588⑈

ATKINS

4030 W. Boy Scout Blvd., Suite 700 • Tampa, Florida 33607

EMV BUSINESS FORMS 800.392.6018 ORACLE

1187162

Date	Invoice #	Description	Discounts	Net Amount
05/31/11	CKR-FLO053111	For Manatee County Permit Modification	0.00	250.00
		Total	0.00	250.00

50
6/21

LN
JUN 02 2011

ATKINS

June 10, 2011

Susan J. Pelz, P.E.
Solid Waste Manager
Southwest District
Florida Department of Environmental Protection
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

Atkins North America, Inc.

482 South Keller Road
Orlando, Florida 32810-6101

Telephone: +1.407.647.7275

www.atkinsglobal.com/northamerica

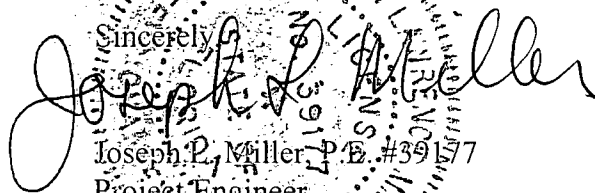
Re: Lena Road Class I Landfill Operation Permit
Manatee County, WACS No. SWD-41-44795
Application for Minor Modification to
Operation Permit No.: 39884-018-SO/01

Dear Ms. Pelz:

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If you have any questions, please call me at 407-806-4153, or e-mail me at joseph.miller@atkinsglobal.com.

Sincerely,



Joseph P. Miller, P.E. #39157
Project Engineer

Cc: Bryan White, Manatee County Solid Waste w/2 copy

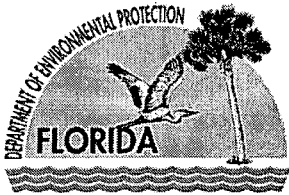
Attachments:

- 1) Application including Parts A, B and S.
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Dept. of Environmental
Protection
JUN 15 2011
Southwest District

Reset Form

Print Form



Florida Department of Environmental Protection

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

DEP Form #: 62-701.900(1), F.A.C.

Form Title: Application to Construct, Operate, Modify, or
Close a Solid Waste Management Facility

Effective Date: January 6, 2010

Incorporated in Rule: 62-701.330(3), F.A.C.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

APPLICATION TO CONSTRUCT, OPERATE, MODIFY, OR CLOSE A SOLID WASTE MANAGEMENT FACILITY

APPLICATION INSTRUCTIONS AND FORMS

Dept. of Environmental
Protection
JUN 15 2011
Southwest District

Northwest District
160 Governmental Center
Pensacola, FL 32502-5794
850-595-8360

Northeast District
7825 Baymeadows Way, Ste. B200
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 Pkwy
Temple Terrace, FL 33637
813-632-7600

South District
2295 Victoria Ave., Ste. 364
Fort Myers, FL 33901-3881
239-332-6975

Southeast District
400 North Congress Ave.
West Palm Beach, FL 33401
561-681-6600

INSTRUCTIONS TO APPLY FOR A SOLID WASTE MANAGEMENT FACILITY PERMIT

I. General

Solid Waste Management Facilities shall be permitted pursuant to Section 403.707, Florida Statutes, (FS) and in accordance with Florida Administrative Code (FAC) Chapter 62-701. A minimum of four copies of the application shall be submitted to the Department's District Office having jurisdiction over the facility. The appropriate fee in accordance with Rule 62-701.315, FAC, shall be submitted with the application by check made payable to the Department of Environmental Protection (DEP).

Complete appropriate sections for the type of facility for which application is made. Entries shall be typed or printed in ink. All blanks shall be filled in or marked "not applicable" or "no substantial change". Information provided in support of the application shall be marked "submitted" and the location of this information in the application package indicated. The application shall include all information, drawings, and reports necessary to evaluate the facility. Information required to complete the application is listed on the attached pages of this form.

II. Application Parts Required for Construction and Operation Permits

- A. Landfills and Ash Monofills - Submit Parts A through S
- B. Asbestos Monofills - Submit Parts A,B,C,D,E,F,I,K,M, O through S
- C. Industrial Solid Waste Disposal Facilities - Submit Parts A through S

NOTE: Portions of some Parts may not be applicable.

NOTE: For facilities that have been satisfactorily constructed in accordance with their construction permit, the information required for A, B and C type facilities does not have to be resubmitted for an operation permit if the information has not substantially changed during the construction period. The appropriate portion of the form should be marked "no substantial change".

III. Application Parts Required for Closure Permits

- A. Landfills and Ash Monofills - Submit Parts A,B,L, N through S
- B. Asbestos Monofills - Submit Parts A,B,M, O through S
- C. Industrial Solid Waste Disposal Facilities - Submit Parts A,B, L through S

NOTE: Portions of some Parts may not be applicable.

IV. Permit Renewals

The above information shall be submitted at time of permit renewal in support of the new permit. However, facility 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. Portions of the application not re-submitted shall be marked "no substantial change" on the application form.

V. Application Codes

S	-	Submitted
LOCATION	-	Physical location of information in application
N/A	-	Not Applicable
N/C	-	No Substantial Change

VI. LISTING OF APPLICATION PARTS

PART A:	GENERAL INFORMATION
PART B:	DISPOSAL FACILITY GENERAL INFORMATION
PART C:	PROHIBITIONS
PART D:	SOLID WASTE MANAGEMENT FACILITY PERMIT REQUIREMENTS, GENERAL
PART E:	LANDFILL PERMIT REQUIREMENTS
PART F:	GENERAL CRITERIA FOR LANDFILLS
PART G:	LANDFILL CONSTRUCTION REQUIREMENTS
PART H:	HYDROGEOLOGICAL INVESTIGATION REQUIREMENTS
PART I:	GEOTECHNICAL INVESTIGATION REQUIREMENTS
PART J:	VERTICAL EXPANSION OF LANDFILLS
PART K:	LANDFILL OPERATION REQUIREMENTS
PART L:	WATER QUALITY AND LEACHATE MONITORING REQUIREMENTS
PART M:	SPECIAL WASTE HANDLING REQUIREMENTS
PART N:	GAS MANAGEMENT SYSTEM REQUIREMENTS
PART O:	LANDFILL CLOSURE REQUIREMENTS
PART P:	OTHER CLOSURE PROCEDURES
PART Q:	LONG-TERM CARE
PART R:	FINANCIAL ASSURANCE
PART S:	CERTIFICATION BY APPLICANT AND ENGINEER OR PUBLIC OFFICER

**STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
APPLICATION FOR A PERMIT TO CONSTRUCT, OPERATE, MODIFY OR CLOSE
A SOLID WASTE MANAGEMENT FACILITY**

Please Type or Print

PART A. GENERAL INFORMATION

1. Type of disposal facility (check all that apply):

- | | |
|--|--|
| ☒ Class I Landfill | ☐ Ash Monofill |
| ☐ Class III Landfill | ☐ Asbestos Monofill |
| ☐ Industrial Solid Waste | |
| ☐ Other Describe: | |

NOTE: Waste Processing Facilities should apply on Form 62-701.900(4), FAC;
Land Clearing Disposal Facilities should notify on Form 62-701.900(3), FAC;
Compost Facilities should apply on Form 62-701.900(10), FAC; and
C&D Disposal Facilities should apply on Form 62-701.900(6), FAC

2. Type of application:

- ☐ Construction
☒ Operation
☐ Construction/Operation
☐ Closure
☐ Long-term Care Only

3. Classification of application:

- | | |
|--|--|
| ☐ New | ☐ Substantial Modification |
| ☐ Renewal | ☐ Intermediate Modification |
| ☒ Minor Modification | |

4. Facility name: Lena Road Class I Landfill Operation Permit

5. DEP ID number: SWD-41-44795 County: Manatee

6. Facility location (main entrance):
3333 Lena Road, Bradenton, Florida 34211

7. Location coordinates:

Section: (1) (31) (6&7) Township: (35S) (34S) (35S) Range: (18E) (19E) (19E)

Latitude: 27° 28' 10" Longitude: 82° 26' 35"

Datum: NAD 83 Coordinate Method: State Plane Florida East Zone NAD 83

Collected by: Issac F. Rooks, Jr., PSM #5416 Company/Affiliation: I.F. Rooks & Associates

8. Applicant name (operating authority): Manatee County Government - Utilities Department
Mailing address: 3333 Lena Road, Bradenton, Florida 34211
Street or P.O. Box City State Zip
Contact person: Mike Gore Telephone: (941) 806-5543 Ext. 8005
Title: Solid Waste Division Manager
mike.gore@mymanatee.org
E-Mail address (if available)
9. Authorized agent/Consultant: Atkins
Mailing address: 482 South Keller Road, Orlando, Florida 32810
Street or P.O. Box City State Zip
Contact person: Joe Miller Telephone: (407) 806-4153
Title: Project Manager
joseph.miller@atkinsglobal.com
E-Mail address (if available)
10. Landowner (if different than applicant): _____
Mailing address: _____
Street or P.O. Box City State Zip
Contact person: _____ Telephone: (____) _____

E-Mail address (if available)
11. Cities, towns and areas to be served:
All of Manatee County, both incorporated and unincorporated, Long Boat Key and small portions of
neighboring counties.

12. Population to be served:
Current: 318,176 Five-Year Projection: 326,072
13. Date site will be ready to be inspected for completion: N/A
14. Expected life of the facility: 31 years
15. Estimated costs:
Total Construction: \$ 0 Closing Costs: \$ 0
16. Anticipated construction starting and completion dates:
From: N/A To: N/A
17. Expected volume or weight of waste to be received:
_____ yds³/day 1,280 tons/day _____ gallons/day

PART B. DISPOSAL FACILITY GENERAL INFORMATION

1. Provide brief description of disposal facility design and operations planned under this application:
This application is for a minor modification to the operation permit for changes in the operation plan.

[illegible]

2. Facility site supervisor: Brian White

Title: Landfill Superintendent Telephone: (941) 748-5543 Ext. 8008

bryan.white@mymanatee.org

E-Mail address (if available)

3. Disposal area: Total 316 acres; Used 316 acres; Available 0 acres.

4. Weighing scales used: ☒ Yes ☐ No

5. Security to prevent unauthorized use: ☒ Yes ☐ No

6. Charge for waste received: _____ \$/yds³ _____ 36 \$/ton

7. Surrounding land use, zoning:

- ☒ Residential
 ☐ Industrial
☒ Agricultural
 ☐ None
☐ Commercial
 ☒ Other Describe:
 Transportation and Utilities - Wastewater Treatment Plant

8. Types of waste received:

- | | |
|--|--|
| ☒ Household | ☒ C & D debris |
| ☒ Commercial | ☒ Shredded/cut tires |
| ☐ Incinerator/WTE ash | ☒ Yard trash |
| ☐ Treated biomedical | ☐ Septic tank |
| ☒ Water treatment sludge | ☐ Industrial |

- ☐ Air treatment sludge
☒ Agricultural
☒ Asbestos

- ☐ Industrial sludge
☒ Domestic sludge
☐ Other Describe:

Dept. of Environmental
 Protection
 JUN 15 2011
 Southwest District

9. Salvaging permitted: ☐ Yes ☒ No

10. Attendant: ☒ Yes ☐ No

Trained operator: ☒ Yes ☐ No

11. Trained spotters: ☒ Yes ☐ No

Number of spotters used: 16

12. Site located in: ☐ Floodplain

☐ Wetlands

☒ Other:

13. Days of operation: Monday through Saturday

14. Hours of operation: 8:00 A.M. to 5:00 P.M.

15. Days Working Face covered: Daily - Monday through Saturday

16. Elevation of water table: 29 ft. Datum Used: Florida East Zone NAD 83

17. Number of monitoring wells: 18

18. Number of surface monitoring points: 2

19. Gas controls used: ☒ Yes ☐ No

Type controls: ☒ Active ☐ Passive

Gas flaring: ☒ Yes ☐ No

Gas recovery: ☒ Yes ☐ No

20. Landfill unit liner type:

☒ Natural soils

☐ Double geomembrane

☐ Single clay liner

☐ Geomembrane & composite

☐ Single geomembrane

☐ Double composite

☐ Single composite

☐ None

☒ Slurry wall

☐ Other Describe:

21. Leachate collection method:

- | | |
|--|---|
| ☒ Collection pipes | ☐ Sand layer |
| ☐ Geonets | ☐ Gravel layer |
| ☐ Well points | ☐ Interceptor trench |
| ☐ Perimeter ditch | ☐ None |
| ☐ Other Describe: | |

22. Leachate storage method:

- | | |
|--|---|
| ☐ Tanks | ☐ Surface impoundments |
| ☐ Other Describe: | |

There is no leachate storage at the landfill

23. Leachate treatment method:

- | | |
|------------------------------------|---|
| ☐ Oxidation | ☐ Chemical treatment |
| ☐ Secondary | ☐ Settling |
| ☐ Advanced | ☒ None |
| ☐ Other | |

24. Leachate disposal method:

- | | |
|--|--|
| ☐ Recirculated | ☒ Pumped to WWTP |
| ☐ Transported to WWTP | ☐ Discharged to surface water/wetland |
| ☐ Injection well | ☐ Percolation ponds |
| ☐ Evaporation | ☐ Spray Irrigation |
| ☐ Other | |

25. For leachate discharged to surface waters:

Name and Class of receiving water:

Not applicable

26. Storm Water:

Collected: ☒ Yes ☐ No

Type of treatment:

Sand filter and/or mechanical filter.

Name and Class of receiving water:

Cypress Strand and Gates Creek via on-site wetlands.

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

MSSW Permit #403143.01

1. Applicant:

_____ is aware that statements made in this form and attached

Don C. G.
Signature of Applicant or Agent

Date: 6/13/2011

Signature: _____

Date: June 10, 2011

**Southwest District
Permitting Application**

Susan

New Site

Site Name:		
Site ID:	WACS ID#:	
County:		
Type/Subcode:		
Fee submitted:	() correct	() incorrect
Total Fee Required \$ _____ Need \$ _____ Refund \$ _____		

Existing Site

Site ID:		
Project Name:	WACS ID#:	
Type/Subcode:	New / Modification / Renewal	
Fee submitted:	() correct	() incorrect
Total Fee Required \$ _____ Need \$ _____ Refund \$ _____		

Applicant Information

Name:	
Role:	
Company:	
Address:	
City:	Zip Code:
Phone:	

Fee verified by: _____

Application Assigned To: _____ Date: _____

ATKINS

4030 W. Boy Scout Blvd.
Suite 700
Tampa, Florida 33607

Bank of America, N.A.
Atlanta, Georgia
64-1278/611

1187162

CHECK DATE

June 1, 2011

PAY Two Hundred Fifty Dollars And 00 Cents*****

AMOUNT \$250.00

TO FDEP (FLORIDA DEPT OF ENV. PROTECTION)
SOUTHWEST DISTRICT OFFICE
13051 NORTH TELECOM PARKWAY
TEMPLE TERRACE, FL 33617
UNITED STATES

OPERATIONAL ACCOUNT

D. J. Van
VOID AFTER 90 DAYS AUTHORIZED SIGNATURE

⑈1187162⑈ ⑆061112788⑆ 003299831588⑈

ATKINS

4030 W. Boy Scout Blvd., Suite 700 • Tampa, Florida 33607

EASILY BUSINESS FORMS 800.392.6018 ORACLE

1187162

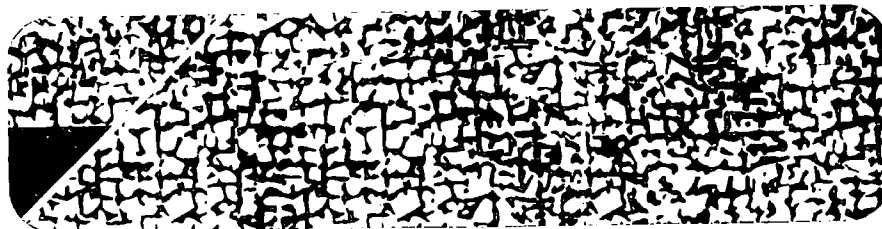
Date	Invoice #	Description	Discounts	Net Amount
05/31/11	CKR-FLO053111	For Manatee County Permit Modification	0.00	250.00
		Total	0.00	250.00

50
6/3
LN
JUN 02 2011

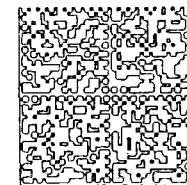
ATKINS

Atkins North America, Inc.
4030 West Boy Scout Boulevard, Suite 700
Tampa, Florida 33607

Attn: Susan Peiz, P.E.



33637+0926



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