

Jeb Bush
Governor

Department of Environmental Protection

South District
P.O. Box 2549
Fort Myers, Florida 33902-2549

David B. Struhs
Secretary

February 17, 2004

FILE

City of Sebring
c/o Robert H. Hoffman, City Administrator
368 South Commerce Avenue
Sebring, Florida 33870

Re: Highlands County – SW
The City of Sebring Class III
Yard Trash Landfill
Permit No. 0038558-002-SO/T3
Operation Plan-Minor Changes
Lake Wales Ridge EMA

Dear Mr. Hoffman:

The Department hereby approves the minor changes in the Operation Plan of the subject landfill and the plan has been updated with the revised Pages 9 thru 15, submitted by Chastain-Skillman, Inc. A copy of the approved submittal is enclosed for your records.

Should you need further information, please call Ghous Minhaj at (239) 332-6975, extension 185. Your cooperation in this matter is appreciated.

Sincerely,

Philip A. Barbaccia
Environmental Administrator

Enclosure
PAB/GAM/se

cc: W.R. Cauthan, P.E. Chastain-Skillman, Inc.
Bill Krumbholz, DEP
Jeff Gould, DEP

engineers • surveyors • architects



Reply to: Sebring
863/ 382-4160
863/ 382-3760 (FAX)

November 17, 2003

Mr. Ghous A. Minhaj, P.E.
Florida Department of Environmental Protection
2295 Victoria Avenue
Fort Myers, Florida 33901



RE: **Sebring Class III Yard Trash Landfill**
Operation Plan
Permit 0038558-002-SO/T3
CSI file No. 2666.14A

Dear Ghous:

Please accept the attached four (4) copies of the revised pages to the Sebring Class III Yard Trash Landfill Operation Plan.

The revision (italicized in bold print) consists of adding information to Section 3.0 2. c. on page 8.

Pages 9 thru 15 are included to maintain continuity in the document.

If you have any questions, feel free to contact this office.

Sincerely,

Chastain Skillman, Inc.

W. R. Cauthan, P.E.

Nov 17, 2003

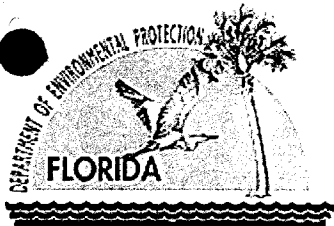
cc.: Bob Hoffmann, City of Sebring

RECEIVED

NOV 19 2003

D.E.P. - South District

Lakeland Office • 4705 Old Highway 37, P.O. Box 5710, Lakeland, Florida 33807-5710 863/ 646-1402
Atlanta Office • 2030 Powers Ferry Road SE, Suite 218, Atlanta, Georgia 30339-5016 770/ 980-9880
Tampa Office • 8402 Laurel Fair Circle, Suite 105, Tampa, Florida 33610-7313 813/ 621-9229
Orlando Office • 2917 W. SR 434, Suite 111, Longwood, Florida 32779 • 407/862-5000
Sebring Office • 363 U.S. 27 Hwy. South, Sebring, Florida 33870 863/ 382-4160



Jeb Bush
Governor

Department of Environmental Protection

COPY

South District
P.O. Box 2549
Fort Myers, Florida 33902-2549

David B. Struhs
Secretary

July 25, 2003

CERTIFIED MAIL NO. 7001 2510 0001 0872 1061
RETURN RECEIPT REQUESTED

City of Sebring
c/o Robert H. Hoffman, City Administrator
368 South Commerce Avenue
Sebring, Florida 33870

RE: Highlands County-SW
City of Sebring Class III
Yard Trash Landfill
Permit No. 0038558-002-SO/T3
Specific Conditions 2 and 7
Lake Wales Ridge EMA

Dear Mr. Hoffman:

Please note there are errors in Specific Conditions No. 2 and No. 7 of the referenced permit. The Specific Conditions should read as follows:

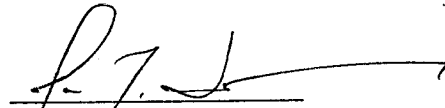
2. The operator shall weigh all yard trash as it is received and record in tons-per-day. Waste records shall be compiled monthly and copies shall be provided to the Department quarterly. The quarterly reports should indicate the quantity of yard trash disposed of monthly and the quantity of mulch recycled (used outside, e.g., City projects) monthly. The reports shall become due April 15th, July 15th, October 15th, and January 15.
7. Initial cover shall be applied at the end of each workweek or within a week of disposing mulch to enclose each waste disposal cell. Any adverse environmental, safety, or health effects, such as those resulting from birds, unauthorized wastes, blowing litter, odors, flies, disease vectors, or fires shall be cause to place initial cover on the working face at the end of each working day.

Continued....

City of Sebring Class III
Permit No. 0038558-002-SO/T3
July 25, 2003
Page 2

This letter shall be attached to the Permit as it becomes a part of that Permit. **If you have any questions concerning this matter please contact Ghous Minhaj of this office at (239) 332-6975.** Your cooperation in this matter is appreciated.

Sincerely,


Richard W. Cantrell
Director of
District Management

PAB/GAM/vo

cc: The Honorable George Hensley, Mayor

W.R. Cauthan, P.E. (via e-mail) rcauthan@chastainskillman.com

Richard Tedder, DEP (via e-mail) Richard.Tedder@dep.state.fl.us

Chris McGuire, OGC DEP (via e-mail) Chris.McGuire@dep.state.fl.us

Jack Chisolm, OGC DEP (via e-mail) Jack.Chisolm@dep.state.fl.us

Tor Bejnar, DEP (via e-mail) Tor.Bejnar@dep.state.fl.us

Jeff Gould, DEP (via e-mail) Jeffrey.Gould@dep.state.fl.us

Jack D. Myers, DEP (via e-mail) Jack.D.Myers@dep.state.fl.us

Bill Krumbholz, DEP (via e-mail) Bill.Krumbholz@dep.state.fl.us



Jeb Bush
Governor

Department of Environmental Protection

South District
P.O. Box 2549
Fort Myers, Florida 33902-2549

David B. Struhs
Secretary

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION NOTICE OF PERMIT ISSUANCE

CERTIFIED MAIL NO. 7001 2510 0001 4803 1298
RETURN RECEIPT REQUESTED

In the Matter of an Application
for Permit by:

City of Sebring
c/o Robert H. Hoffman, City Administrator
368 South Commerce Avenue
Sebring, Florida 33870

Re: Highlands County - SW
The City of Sebring Class III
Trash Landfill
DEP File No. 0038558-002-SO/T3
Lake Wales Ridge EMA

Enclosed is Permit No. 0038558-002-SO/T3 to operate an existing Class III Landfill specifically identified as the City of Sebring Class III Yard Trash Landfill with a disposal area of 13.5 acres. The proposed maximum height of the disposal area is 143 feet (NGVD), including the final cover. The facility is located at the intersection of Schoolhouse Road and Cemetery Road, Sebring in Highlands County, Florida. The Permit is issued under Sections 403.061, 403.087 and 403.707 of the Florida Statutes (F.S.) and Florida Administrative Code (F.A.C.) Rules 62-4, 62-25, 62-160, 62-302, 62-522, 62-701.

The Department's proposed agency action shall become final unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57 of the Florida Statutes 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 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received by the Clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000.

Mr. Robert H. Hoffman
The City of Sebring Class III Yard Trash Landfill
DEP File No. 0038558-002-SO/T3
Page 2 of 4

Petitions by the applicant or any of the parties listed below must be filed within fourteen (14) days of receipt of this written notice. 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 fourteen (14) days of receipt of such notice or within fourteen (14) days of receipt of the written notice, whichever occurs first.

Under Section 120.60(3) of the Florida Statutes, however, any person who has asked the Department for notice of agency action may file a petition within fourteen (14) days of receipt of such notice.

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. 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 Department permit identification number and the county in which the subject matter or activity is located;
- (b) A statement of how and when each petitioner received notice of the Department action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department action;
- (d) A statement of the material facts disputed by the petitioner, if any;
- (e) A statement of facts that the petitioner contends warrant reversal or modification of the Department action;
- (f) A statement of which rules or statutes the petitioner contends require reversal or modification of the Department action; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wants the Department to take.

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.

Mr. Robert H. Hoffman
The City of Sebring Class III Yard Trash Landfill
DEP File No. 0038558-002-SO/T3
Page 3 of 4

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 addition to requesting an administrative hearing, any petitioner may elect to pursue mediation. The election may be accomplished by filing with the Department a mediation agreement with all parties to the proceeding (i.e., the applicant, the Department, and any person who has filed a timely and sufficient petition for a hearing). The agreement must contain all the information required by Rule 28-106.404. The agreement must be received by the Clerk in the Office of General Counsel of the Department at 3900 commonwealth boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, within ten (10) days after the deadline for filing a petition, as set forth above. Choosing mediation will not adversely affect the right to a hearing, if mediation does not result in a settlement.

As provided in Section 120.573 of the Florida Statutes, the timely agreement of all parties to mediate will toll the time limitations imposed by Sections 120.569 and 120.57 for holding an administrative hearing and issuing a final order. Unless otherwise agreed by the parties, the mediation must be concluded within sixty (60) days of the execution of the agreement. If mediation results in settlement of the administrative dispute, the Department must enter a final order incorporating the agreement of the parties. Persons seeking to protect their substantial interests that would be affected by such a modified final decision must file their petitions within fourteen (14) days of receipt of this notice, or they shall be deemed to have waived their right to a proceeding under Sections 120.569 and 120.57. If mediation terminates without settlement of the dispute, the Department shall notify all parties in writing that the administrative hearing processes under Sections 120.569 and 120.57 remain available for disposition of the dispute, and the notice will specify the deadlines that then will apply for challenging the agency action and electing remedies under those two statutes.

This action is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above. Upon the timely filing of a petition, this order will not be effective until further order of the Department.

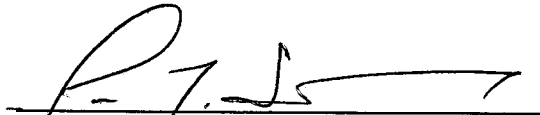
Any party to the order has the right to seek judicial review of the order under Section 120.68 of the Florida Statutes, by filing of a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the Clerk of the Department in the Office of General Counsel, Mail Station 35, 3900 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

Mr. Robert H. Hoffman
The City of Sebring Class III Yard Trash Landfill
DEP File No. 0038558-002-SO/T3
Page 4 of 4

within thirty (30) days from the date when the final order is filed with the Clerk of the Department.

Executed in Fort Myers, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

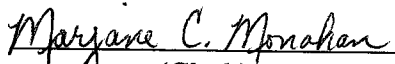

Richard W. Cantrell
Director of
District Management

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency Clerk hereby certifies that this NOTICE OF PERMIT ISSUANCE and all copies were mailed before the close of business on July 22, 2003, to the listed persons.

FILING AND ACKNOWLEDGMENT

FILED, on this date, under Section 120.52(7), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.


(Clerk)

7/22/03
(Date)

Enclosure

RWC/GAM/se

Copies furnished to:

The Honorable George Hensley, Mayor
W.R. Cauthan, P.E. (via e-mail) rcauthan@chastainskillman.com
Richard Tedder, DEP (via e-mail) Richard.Tedder@dep.state.fl.us
Chris McGuire, OGC DEP (via e-mail) Chris.McGuire@dep.state.fl.us
Jack Chisolm, OGC DEP (via e-mail) Jack.Chisolm@dep.state.fl.us
Tor Bejnar, DEP (via e-mail) Tor.Bejnar@dep.state.fl.us
Jeff Gould, DEP (via e-mail) Jeffrey.Gould@dep.state.fl.us
Jack D. Myers, DEP (via e-mail) Jack.D.Myers@dep.state.fl.us
Bill Krumbholz, DEP (via e-mail) Bill.Krumbholz@dep.state.fl.us



Jeb Bush
Governor

Department of Environmental Protection

South District
P.O. Box 2549
Fort Myers, Florida 33902-2549

David B. Struhs
Secretary

PERMITTEE:

City of Sebring
c/o Robert H. Hoffman, City Administrator
368 South Commerce Avenue
Sebring, Florida 33870

GMS ID No. 5228M02037
Permit/Certification No. 0038558-002-SO/T3
Date of Issue: July 22, 2003
Expiration Date: July 22, 2008
County: Highlands
Latitude: 27° 30' 50"N
Longitude: 81° 25' 00"W
EMA: Lake Wales Ridge
Section/Township/Range: 21/34S/29E
Project: Sebring Class III Yard Trash Landfill

This Permit is issued pursuant to Sections 403.061, 403.087 and 403.707, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Rules 62-4, 62-25, 62-160, 62-302, 62-522, and 62-701. The above-named Permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawings(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

To operate an existing Class III Landfill specifically identified as the City of Sebring Class III Yard Trash Landfill with a disposal area of 13.5 acres. The proposed maximum height of the disposal area is 143 feet (NGVD), including the final cover. The facility is located at the intersection of Schoolhouse Road and Cemetery Road, Sebring in Highlands County, Florida

The Permit is subject to the following fifteen (15) General and twenty-two (22) Specific Conditions. An approved copy of the application package is enclosed for your records. This Permit supersedes the previous Operation Permit No. SO28-0038558-001-SO/T3 issued July 7, 1998.

PERMITTEE:

City of Sebring
c/o Robert H. Hoffman

GMS ID No. 5228M02037

Permit/Certification No. 0038558-002-SO/T3

Date of Issue: July 22, 2003

Expiration Date: July 22, 2008

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 403.087(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 the Permit.
4. This Permit conveys no title to land or water, does not constitute State recognition or acknowledgement of title, and does 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 any order from the Department.
6. 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.

PERMITTEE:

City of Sebring
c/o Robert H. Hoffman

GMS ID No. 5228M02037

Permit/Certification No. 0038558-002-SO/T3

Date of Issue: July 22, 2003

Expiration Date: July 22, 2008

GENERAL CONDITIONS:

7. The Permittee, by accepting this Permit, specifically agrees to allow authorized Department personnel, upon presentation of credential 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 the 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 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.

PERMITTEE:

City of Sebring
c/o Robert H. Hoffman

GMS ID No. 5228M02037

Permit/Certification No. 0038558-002-SO/T3

Date of Issue: July 22, 2003

Expiration Date: July 22, 2008

GENERAL CONDITIONS:

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 noncompliance of the permitted activity until the transfer is approved by the Department.
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 this 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.

PERMITTEE:

City of Sebring
c/o Robert H. Hoffman

GMS ID No. 5228M02037

Permit/Certification No. 0038558-002-SO/T3

Date of Issue: July 22, 2003

Expiration Date: July 22, 2008

GENERAL CONDITIONS:

(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.

SPECIFIC CONDITIONS:

1. A copy of the Operation Plan from the Permit application package, approved by the Department, shall be kept at or near the landfill facility and shall be accessible to landfill operators.
2. The operator shall weigh all yard trash as it is received and record in tons-per-day. Waste records shall be compiled monthly and copies shall be provided to the Department quarterly. The quarterly reports should indicate the quantity of yard trash disposed of monthly and the quantity of mulch recycled (used outside, e.g., City projects) monthly.
3. All yard trash shall be spread in layers and compacted, and covered once every week using suitable heavy equipment. Bulky materials not easily compacted shall be worked into other materials as much as practical.
4. As requested by the Permittee, it is allowed to stockpile yard trash for mulching and disposing quarterly. However, if the Department inspections indicate any adverse environmental and/or health effects (e.g., gas, odor, vectors, etc.) stockpiling shall be discontinued.

PERMITTEE:

City of Sebring
c/o Robert H. Hoffman

GMS ID No. 5228M02037

Permit/Certification No. 0038558-002-SO/T3

Date of Issue: July 22, 2003

Expiration Date: July 22, 2008

SPECIFIC CONDITIONS:

5. All compacted solid waste shall be formed into cells with working face and side grades at a slope no steeper than three-feet-horizontal to one-foot-vertical rise. Lift depth should normally not exceed ten (10) feet but may be deeper depending on specific daily volume of waste, working face, and good safety practices.
6. The working face of a cell shall be only wide enough to efficiently accommodate proper operation of trucks and equipment to minimize exposed areas and the use of unnecessary cover material.
7. Initial cover shall be applied at the end of each workweek or within a week of disposing mulch to enclose each waste disposal cell, except the working face, which may be left uncovered. Any adverse environmental, safety, or health effects, such as those resulting from birds, unauthorized wastes, blowing litter, odors, flies, disease vectors, or fires shall be cause to place initial cover on the working face at the end of each working day.
8. Solid waste disposal units, which have been filled to design dimensions, shall receive final cover as approved by the Department within one hundred eighty (180) days after the final waste deposit or in accordance with the approved closure plan. The final cover shall be vegetated and maintained with drought-resistant species to control erosion in accordance with F.A.C. Rule 62-701.600(5)(f)(2).
9. All completed portions of the sanitary landfill which have received final cover and at which no future vehicular traffic is anticipated shall be planted with grass or acceptable cover vegetation to minimize infiltration, erosion, and dust.
10. Top gradients of final cover on landfill areas shall be graded to maximize runoff and minimize erosion, thus preventing ponding or low spots.
11. Erosion control measures shall be employed to correct any erosion which exposes waste or causes malfunction of the stormwater management system.
12. Pesticides used to control rodents, flies, and other insects shall be as specified by the Florida Department of Agriculture and Consumer Services (Chapter 5E-2, Florida Administrative Code) and be available on site for use as necessary.
13. An annual report shall be submitted to the Department estimating the remaining life and capacity of the landfill as outlined in F.A.C. Rule 62-701.500(13)(c).

PERMITTEE:

City of Sebring
c/o Robert H. Hoffman

GMS ID No. 5228M02037

Permit/Certification No. 0038558-002-SO/T3

Date of Issue: July 22, 2003

Expiration Date: July 22, 2008

SPECIFIC CONDITIONS:

14. The Permittee shall submit to the South District office an annual cost adjustment statement with respect to closure and long-term care cost estimates, certified by a professional engineer. Only an inflation adjustment statement may be signed by the landfill owner/operator. Closing and long-term care costs shall be listed separately in accordance with F.A.C. Rule 62-701.630(4). The cost estimates or inflation adjustment statements, as applicable, shall be submitted on appropriate Department form, to the District office between July 1 and September 1 of each year for approval. The financial assurance instruments (escrow account audit report, etc.) shall correspond to the cost estimates approved by the District office and shall be submitted no later than March 31 of the following year to Financial Coordinator, Solid Waste Section, Mail Station 4565, FDEP, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400.
15. All records and data relating to the operation of the solid waste control facility shall be made available for inspection by DEP staff in the offices of the Permittee. The landfill site shall be open for inspection by Department employees during normal hours of operation.
16. **Closure Schedule:** The Permittee shall, at least one year prior to the projected date when wastes will no longer be accepted at the landfill site, provide written notice to the Department District office with a schedule for cessation of waste acceptance and landfill closure.
17. **Closure Plan Submittal:** The Permittee shall submit a closure plan (engineering drawing sheets and a narrative) revised to include any changes to the Department for approval no less than ninety (90) days prior to the scheduled closing day.
18. **Final Cover:** Final cover shall consist of a 24-inch-thick soil layer, the upper six inches of which shall be capable of supporting vegetable growth.
19. **Closure Design Plan:** The Permittee shall describe provisions for cover material for long-term care, erosion control, filling areas of subsidence or other depressions, maintaining berms and general maintenance for the facility, and specify the anticipated source and amount of material necessary for proper closure of the landfill.

PERMITTEE:

City of Sebring
c/o Robert H. Hoffman

GMS ID No. 5228M02037

Permit/Certification No. 0038558-002-SO/T3

Date of Issue: July 22, 2003

Expiration Date: July 22, 2008

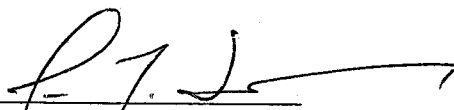
SPECIFIC CONDITIONS:

20. In the event the Permittee is temporarily unable to comply with any of the conditions of this Permit, he/she shall notify the District office of the DEP immediately. Notification shall include pertinent information as to the cause of the problem and what corrective measures are being taken to prevent its reoccurrence.
21. **This Permit is issued for five (5) years and expires July 22, 2008.** Should a permit renewal be desired, the Permittee shall submit an application at least ninety (90) days before the expiration date of this Permit on the applicable Department form with appropriate fee in a manner prescribed by the Department in order to assure conformance to all applicable Department Rules.
22. These conditions do not exempt the Permittee from complying with requirements of other federal, state, municipal, county or regional pollution control rules, regulations, ordinances or codes.

Should you need further information regarding the above, please call Ghous Minhaj, Solid Waste Permitting Engineer, at (239) 332-6975.

Note: In the event of an emergency, the Permittee shall contact the Department by calling (850) 413-9911 or toll free at (800) 320-0519. During normal business hours, the Permittee shall call (239) 332-6975.

Sincerely,


Richard W. Cantrell
Director of
District Management

Enclosure
RWC/GAM/se

CLASS III YARD TRASH LANDFILL ENGINEERING REPORT

City of Sebring Class III Yard Trash Landfill
Intersection School Street and Cemetery Road
Sebring, Highlands County, Florida

Prepared For

CITY OF SEBRING
368 S. Commerce Ave.
Sebring, Florida 33870



Submitted to

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
South District Office
2295 Victoria Avenue, Suite 364
Fort Myers, Florida 33901

Prepared by

CHASTAIN-SKILLMAN, INC.
363 U. S. Highway 27 South
Sebring, Florida 33870

CSI File No. 2666.14

January 2003

engineers • scientists • surveyors



FILED 2003

MAR 03 2003

SEP - 2003



Reply to: Sebring

July 15, 2003

Mr. Ghous A. Minhaj, P.E.
Florida Department of Environmental Protection
2295 Victoria Avenue
Fort Myers, Florida 33901

RE: **Sebring Class III Yard Trash Landfill**
Permit Renewal Application 0038558-002-SO
CSI file No. 2666.14

Dear Ghous:

Having received your letter dated June 12, 2003, we offer the following sequential response. Each question from your letter has been retyped and is followed by our response.

APPLICATION FORM

Part D, 2 thru 5: Please correct the reference to Engineering Report, Page 12.

The Application Form has been modified to reflect the change.

6 thru 11: Please correct the reference to Engineering Report, Page 13.

The Application Form has been modified to reflect the change.

Part Q, 1: Please note that in accordance with Florida Administrative Code (F.A.C.) Rule 62-701.610(2) survey monuments are required for landfills with a final elevation of less than 20 feet above the natural land surface. Please mark this item "N/A" and address in Part Q of the Engineering Report.

The Application Form has been modified to reflect the change.

ENGINEERING REPORT

Part F, 3.g (page 17): Please correct the narrative about the chain-link fence; it is on the northwestern and western sides [F.A.C. Rule 62-701.330(3) (c)].

Part F, 3.g has been modified to reflect the chain-link fence positioning.

Part L, 2(a) (Page 22): Please modify the statement to say: "If Mr. Johnson leaves this position, the City will have a trained operator, as required by F.A.C. Rule 62-701.320(15) to oversee the landfill's activities."

Part L, 2(a) has been modified to reflect the desired wording.

Part L, 5(Page 24): Please correct the narrative to state that there is a chain-link fence on the northwestern and western sides and describe the location of gate(s). No gate was located on any drawing. Please submit at least one drawing with the gate(s) indicated [F.A.C. Rule 62-701.500(5)].

Part L 5 has been modified to reflect fence location. Additionally, Drawing 2666.14-2 now depicts the locations of the locked gates.

Part P, 1 (a), (b) and (c) (Page 29): Please include the requirements of F.A.C. Rule 62-701.600(2) in the Engineering Report (Page 29). If just the reference to the Rule would have been sufficient, there would have been no necessity of any Engineering Report and Operation Plan, etc. The purpose is that the applicant and the engineer be aware of the requirements and their awareness be committed in writing, so that they could refer to their commitment and the Rules when required for operation, closure of the facility, etc.

Parts P, 1 (a), (b) and (c) have been modified to reflect the requirements as identified in Rule 62-701.600(2).

Part P, 4 (a), (b), (d) and (f) 4 (Page 31 and 32): Please correct the reference to Drawing 2666.14-4.

Parts P, 4 (a), (b), (d) and (f) have been changed to reflect Drawing 2666.14-4.

Part P, 4 (g) 6 (Page 33): Please describe the variance approved with its date of approval [F.A.C Rule 62-701.600(5) (g) (6)].

SWVA 97-2 is the variance for a 2 foot soil cover. The information has been added to Part P, 4(g) 6 of the Engineering Report.

Part P, 4 (i) (Page 34): Please correct the description regarding the fencing and gate(s) [F.A.C. Rule 62-701.600(5) (i)].

Part P, 4(i) now reflects the fence and gate locations.

Part P, 5b (Page 35): Please correct the post closure long-term care period to 30 years [F.A.C. Rule 62-701.620(1)].

Part 5b has been modified to reflect a 30 year closure plan.

Part Q, 1 (Page 35): Please see the comment above on PART Q, 1 under APPLICATION FORM [F.A.C. Rule 62-701.610(2)].

Part Q, 1 has been modified to reflect F.A.C Rule 62-701.610(2) regarding survey monuments.

OPERATION PLAN

3.0 Landfill Operations (Page 7).

2. (a): Please modify the second sentence to state that, if Mr. Johnson leaves this position, the City will maintain a trained operator as required by F.A.C. Rule 62-701.320(15) and refer to the Operator Training Plan Appendix D of the Engineering Report. Please note that F.A.C. Rule 62-703 was repealed in 1996.

Paragraph 2 (a) has been modified to reflect the phrasing desired by the Department.

2. (d): The annual average quantity of waste anticipated at the landfill appears incorrect. This paragraph has been copied from the previous Operation Plan. The average (2,680 tons) refers to the years 1998 to 2020; whereas, Table 2 shows projected yard trash from the year 2000 to 2018. Table 1 on Page 11, Engineering Report, and Table 1 on Page 6, Operation Plan, indicate 3,100 tons of waste generated in the year 2000. Please review your data and revise the related information [F.A.C. Rule 62-701.500(2) and (13) c].

Paragraph 2(d) has been modified to reflect the average annual waste (3100 tons).

3. 5, Access Control: Please modify the narrative to describe the location of the fencing and gate(s) [F.A.C Rule 62-701.500(5)].

Paragraph 3.5 has been altered to show the location of the fencing and gates.

Sebring Class III Yard Trash Landfill
Application No. 0038558-002-SO
DEP Response
July 15, 2003

APPENDIX B, EXHIBIT 1

The submitted FEMA Map is for the Avon Park Landfill. Please submit one for the Sebring Class III Yard Trash Landfill [F.A.C. Rule 62-701.320(7)].

Exhibit "I" (FEMA Map) is geographically correct; the title has been corrected.

DRAWINGS

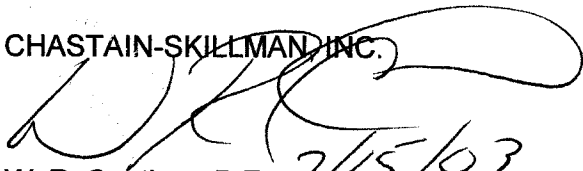
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Drawing 2666.14-2 has been modified to show the locations of the access gates.

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Very truly yours,

CHASTAIN-SKILLMAN, INC.


W. R. Cauthan, P.E. 7/15/03
Senior Project Engineer – Principal

Xc: Mr. Robert H. Hoffman, City Administrator

WRC/TM:jj(2666.14-DEP Response)



Reply to: Sebring

June 23, 2003

Mr. Ghous A. Minhaj, P.E.
Florida Department of Environmental Protection
2295 Victoria Avenue
Fort Myers, Florida 33901

RE: **Sebring Class III Yard Trash Landfill**
Permit Renewal Application 0038558-002-SO
CSI file No. 2666.14

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JUN 23 2003

D.E.P. - North Central

ENGINEERING REPORT

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Sebring Class III Yard Trash Landfill
Application No. 0038558-002-SO
DEP Response
June 23, 2003

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Drawing 2666.14-2 has been modified to show the locations of the access gates.

I trust that the above information will allow you to continue to process this application. If you have any further questions, please do not hesitate to contact this office.

Very truly yours,

CHASTAIN-SKILLMAN, INC.



W. R. Cauthan, P.E.
Senior Project Engineer – Principal

Xc: Mr. Robert H. Hoffman, City Administrator

WRC/TM:jj(2666.14-DEP Response)



Reply to: Sebring

May 12, 2003

Mr. Ghaus A. Minhaj, P.E.
Florida Department of Environmental Protection
2295 Victoria Avenue
Fort Myers, Florida 33901

RE: **Sebring Class III Yard Trash Landfill**
Permit Renewal Application 0038558-002-SO
CSI file No. 2666.14

Dear Ghaus:

Having received your letter dated March 31, 2003, we offer the following sequential response. Each question from your letter has been retyped and is followed by our response.

APPLICATION FORM

Part D, 2 thru 11: Please address items 2 thru 11 regarding prohibitions as required by Florida Administrative Code (F.A.C.) Rule 62-701.300 and furnish reason(s) for the items not applicable. Please mark "X" under column "S" of the application form and provide reference to Section/Page number of the Engineering Report.

Items 2 thru 11 have been marked "X" under "S" and referenced to the Engineering Report.

Part E, 7: Please submit an updated operation plan and mark "X" under column "S". Please see the comment on Part L [F.A.C. Rule 62-701.320(7) (e) 1].

An updated Operation Plan is submitted with this package.

9.c: Please submit a site plan showing all property boundaries certified by a registered Florida Land Surveyor. Please note that no site plan was submitted to the Department along with the application for the expiring permit (No. 0038558-001-SO). Your attention is directed to F.A.C. Rule 62-701.320(10) which states, "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. The permit renewal application shall list and reaffirm that information is still valid."

Please see enclosed Description Sketch Site Plan (Appendix B, Exhibit J)
Certified by a registered Florida Land Surveyor.

Part F, 3.e: Please correct the reference to DWG 2666.14-4.

The drawing has been changed to 2666.14-4

4.e: Please correct the reference to DWG 2666.14-4.

The drawing has been changed to 2666.14-4

4.f: Please correct the reference to DWG 2666.14-3[F.A.C. Rule 62-701.330(3)© and (d)].

The drawing has been changed to 2666.14-3

Part G 1 and 2: Please furnish reference to the document with the date of submittal, in a footnote to clarify "N/C" (no change) from the reference document, otherwise "N/C" is ambiguous [F.A.C. Rule 62-701.340(4)(b) and (c)].

Both items have been referenced on the application.

Part I, 1 and 2: Please furnish reference to the document with the date of submittal in a footnote to clarify "N/C" [F.A.C. Rule 62-701.410(1)].

A note has been added to the application showing submittal date and permit number.

Part J 1 and 2: Please furnish reference to the document with the date of submittal in a footnote to clarify "N/C" [F.A.C. Rule 62-701.410(2)].

A note has been added to the application showing submittal date and permit number.

Part L, 2, a thru j: Please furnish an updated Operation Plan and mention groundwater monitoring is no longer done referring to the Department's approval [F.A.C. Rule 2-701.500(2)].

Groundwater monitoring no longer being done is mentioned in the updated Operation Plan.

3 thru 7: Please address these items under Landfill Operation Requirements in the Engineering Report and furnish reference on the form (F.A.C. Rule 62-701.500).

The items are in the Engineering Report and reference to the same is on the Application Form.

Part P, 1.a, b, and c: Please address these items in the narrative and mark "X" under "S" and furnish reference [F.A.C. Rule 62-701.600(2)].

The application form has been modified, a reference is addressed and the items are included in the Engineering Report.

2.a: Your attention is directed to F.A.C. Rule 62-701.600(3) which states, "If the landfill is operating under a Department permit, the owner or operator shall request a modification of the permit in lieu of submitting a closure permit application." Please modify the narrative accordingly.

This has been changed to not applicable on the Application Form.

2.b, (1) thru (6): "X" under "N/C" is ambiguous unless an exact reference is furnished. Please note that a reference to the expiring permit can be made, otherwise, the items need to be addressed [F.A.C. Rule 62-701.600(2) and 62-701.320(10)].

Reference to the existing permit has been made on the Application Form.

3. Please see 2.b above.

Reference to the existing permit has been made on the Application Form.

4. Please see 2.b above.

Reference to the existing permit has been made on the Application Form.

5. Please see 2.b above.

Reference to the existing permit has been made on the Application Form.

Part Q, 1 thru 7: Please see P, 2.b above.

This part has been changed from no change to submitted and is referenced to the Engineering Report.

Part R, 2, 3 and 5: Please see P, 2.b above.

These items are now referenced to the Engineering Report and they have been changed from "N/C" to "S".

Part S, 2 and 3: Please see P, 2.b above.

These items are referenced to the Engineering Report.

ENGINEERING REPORT

- 1.1: Please include the proposed permitted maximum elevation before the vertical expansion to 143 feet NGVD was approved in 1998 and mention the lowest natural ground elevation of the disposal area [F.A.C. Rule 62-701.320(7)].**

The permitted elevation (127 feet) before the vertical expansion is included in the Engineering Report. The lowest natural ground elevation in the disposal area is 115 feet.

- 5, Part D, 2 thru 11: Please address Items 2 thru 11 regarding prohibitions as required by F.A.C. Rule 62-701.300 and furnish reason(s) for the items not applicable.**

Items 2 thru 11 are now incorporated in the Engineering Report.

- Part E, 7: Please submit an updated operation plan and modify the statement [F.A.C. Rule 62-701.320(7)(e)1].**

An updated Operation is submitted and the statement has been modified.

- E, 9.C: Please submit a site plan showing all boundaries certified by a registered Florida Land Surveyor [F.A.C. Rule 62-701.300(7)(f)].**

Appendix B Exhibit J is submitted.

- Part F, 3.e: Please correct the reference to DWG 2666.14-4, and describe the natural ground elevation and show it on the sections of the drawing (DWG 2666.14-4).**

The drawing reference has been changed to 2666.14-4. Natural ground elevation is mentioned in this section. The drawing has been updated to show the natural ground on the cross section.

- 3.g: Please modify the first sentence to be consistent with the second sentence.**

The phrasing in the first sentence has been modified to be consistent with the second sentence.

- 4.e: Please correct the reference to DWG 2666.14-4.**

Reference to the drawing has been modified.

- 4.f: Please correct the reference to DWG 2666.14-3 [F.A.C Rule 62-701.320(7)f].**

Reference to the drawing has been modified.

Part L: Please submit an updated Operation Plan as required by L, 2 and address Items 3 thru 13 under Landfill Operation Requirements. Please modify the narrative of the entire Part L accordingly (F.A.C. Rule 62-701.500).

An updated Operation Plan is submitted and items 3 thru 13 are addressed in the Engineering Report.

Part P: Only the information submitted for the expiring permit, if still valid, can be incorporated by reference. Please address all subsections of F.A.C. Rule 62-701.600 in addition to reference to the Rule. Please note the comment on Part P, 2.a, under Application Form above, regarding the permit modification in lieu of submitting a closure permit application [F.A.C. 62-701.600(3)].

The Engineering Report has been updated as requested.

Part Q: Please address this part in the Engineering Report as required by F.A.C. Rule 62-701.610 and mark "X" under "S" on the Application Form.

This section is in the Engineering Report and the Application Form has been modified.

Part R; Please address Items 2, 3 and 5 in the Engineering Report and mark "X" under "S" on the Application Form [F.A.C. Rule 62-701.620].

The application form has been modified and these items are addressed in the Engineering Report.

**Part S, Appendix A: Closure and Post Closure Long-term Care Cost Estimates:
(1) Please furnish date on the form.**

A date has been entered on the form.

(2) Please enter Application No. 0038558-002-SO/T3 under General Information.

Application number has been changed to 0038558-002-SO/T3.

(3) V.5: Please correct the cost for fertilizer and the total.

The quantity of fertilizer has been changed from 14 to 13.5 acres.

(4) V.9: Please clarify with a footnote whether the fencing is for the remaining property line or the entire property perimeter.

A footnote has been added indicating that the fencing is for the remaining property line.

(5) V.11: Please correct the Subtotal of 1-11.

There is no need to change the subtotal of section 1-11 since the quantities for the fertilizer was modified.

(6) V.13: Please correct the total Closing Costs. Please note that the total is not correct even with the furnished cost figures.

The total closing cost has been changed and Financial Responsibility Annual Update has been modified.

(7) VI.9: Please correct the dollar amount for mowing and fertilizer.

The quantity for mowing and fertilizer has been changed from 14 to 13.5 acres.


(8) VI.16: Please correct the annual and total Long-term Care Cost [F.A.C. Rule 62-701.630].

There is no need to change the annual and total Long-term cost due to the quantities changing for the mowing and fertilizer.

I trust that the above information will allow you to continue to process this application. If you have any further questions, please do not hesitate to contact this office.

Very truly yours,

CHASTAIN-SKILLMAN, INC.



W. R. Cauthan, P.E.
Senior Project Engineer – Principal

Xc: Mr. Robert H. Hoffman, City Administrator

engineers • surveyors • architects



Reply to: Sebring
863/ 382-4160
863/ 382-3760 (FAX)

February 12, 2003

Mr. Ghaus A. Minhaj, P.E.
Florida Department of Environmental Protection
2295 Victoria Avenue
Fort Myers, Florida 33901

**Re: City of Sebring Class III Yard Trash Landfill
Operation Permit 0038558-001-SO/T3
FDEP ID No. 5228MO2037
Permit Renewal Application
CSI File No. 2666.14**

Dear Ghaus:

In fulfillment of Specific Condition No. 37 of the above-referenced permit, we hereby submit an application for a 5-year permit renewal. This application, along with all supporting documentation, is prepared to meet the intent of Chapter 62-701, F.A.C.

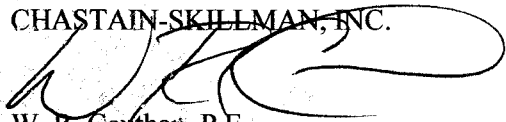
Included in this package are:

- Permit fee waiver request;
- Application Form 17-701.901(1);
- Engineering Report (signed, sealed and dated by a Florida registered engineer);
- Financial Responsibility Annual Update Report (signed, sealed and dated);
- Site plan with existing and proposed elevations;
- Recent site photographs

All items are submitted in a 3-ring binder to facilitate removal and replacement of various elements should revisions occur. Please do not hesitate to call should you have any questions regarding this application. We appreciate your attention in this matter.

Sincerely,

CHASTAIN-SKILLMAN, INC.


W. R. Canthan, P.E.
Senior Project Engineer

TJM (trans-ltr)

Lakeland Office • 4705 Old Highway 37, P.O. Box 5710, Lakeland, Florida 33807-5710 863/ 646-1402
Atlanta Office • 2030 Powers Ferry Road SE, Suite 218, Atlanta, Georgia 30339-5016 770/ 980-9880
Tampa Office • 8402 Laurel Fair Circle, Suite 105, Tampa, Florida 33610-7313 813/ 621-9229
Orlando Office • 2917 W. SR 434, Suite 111, Longwood, Florida 32779 • 407/862-5000
Sebring Office • 363 U.S. 27 Hwy. South, Sebring, Florida 33870 863/ 382-4160

CONTENTS

TAB

APP. FORM.....	Application Form 17-701.901(1)
ENG. REPORT	Engineering Report
Appendix A.....	Financial Responsibility Annual Update Report
Appendix B	Exhibits / Drawings
Appendix C.....	Recent Site Photographs
Appendix D.....	Training Plan
Appendix E	Fire Contingency Plan
Appendix F.....	Agency Correspondence and Permit

GEORGE HENSLEY, JR., MAYOR

COUNCIL:

JOHN GRIFFIN, PRESIDENT
JEFF CARLSON, PRO-TEMPORE
ANNETTE DAFF
MARGIE RHOADES
BUD WHITLOCK

THE CITY OF
SEBRING

368 SO. COMMERCE. AVE.
SEBRING, FL 33870
(863) 471-5100
(863) 471-5142 (FAX)

KATHY HALEY, CMC
CITY CLERK/TREASURER

ROBERT H. HOFFMAN
CITY ADMINISTRATOR

MIKE EASTMAN, CPA, CPFO, CGFM
FINANCE DIRECTOR

January 2, 2003

Florida Department of Environmental Protection
South District
2295 Victoria Avenue
Fort Myers, FL 33901

RE: City of Sebring Class III Yard Trash Landfill

To Whom It May Concern:

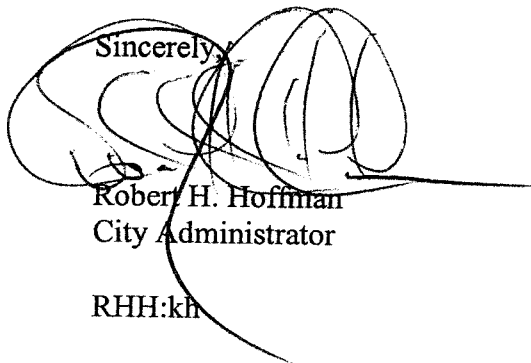
Attached please find an operating permit renewal application for the above referenced facility. Please direct all correspondences and inquiries to this permit application to the following engineering firm:

Chastain-Skillman, Inc.
Attn: Mr. Ron Cauthan
363 U.S. 27 South
Sebring, FL 33870
(863) 382-4160

The City of Sebring would also request, pursuant to F.S. 218.075, a waiver of the permit fee. The City of Sebring meets the criteria of condition #2; that is, the percentage of assessed property value that is exempt from ad valorem taxes in the City of Sebring is higher than the State-wide average. The City percentage is 28.63% while the State is 25.21%.

Thank you for your consideration.

Sincerely,



Robert H. Hoffman
City Administrator

RHH:kh

APPLICATION FORM
62-701.900(1)



Florida Department of Environmental Protection
Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, FL 32399-2400

DEP Form #	62-701.900(1)
Form Title	Solid Waste Management Facility Permit
Effective Date	05-27-01
DEP Application No.	0038558-002-50/13 (Filed by DEP)



STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

APPLICATION INSTRUCTIONS AND FORMS

RECEIVED

MAR 23 2003

DEP - Solid Waste

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

Northeast District
7825 Baymeadows Way, Ste. B200
Jacksonville, FL 32256-7590
904-448-4300

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

Southwest District
3804 Coconut Palm Dr.
Tampa, FL 33619
813-744-6100

South District
2295 Victoria Ave., Ste. 364
Fort Myers, FL 33901-3881
941-332-6975

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,B, D through T
- B. Asbestos Monofills - Submit parts A,B,D,E,F,G,J,L,N, P through S, and T
- C. Industrial Solid Waste Facilities - Submit parts A,B, D through T
- D. Non-Disposal Facilities - Submit parts A,C,D,E,J,N,S and T

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,C and D 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,M, O through T
- B. Asbestos Monofills - Submit parts A,B,N, P through T
- C. Industrial Solid Waste Facilities - Submit parts A,B, M through T
- D. Non-Disposal Facilities - Submit parts A,C,N,S and T

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:	NON-DISPOSAL FACILITY GENERAL INFORMATION
PART D:	PROHIBITIONS
PART E:	SOLID WASTE MANAGEMENT FACILITY PERMIT REQUIREMENTS, GENERAL
PART F:	LANDFILL PERMIT REQUIREMENTS
PART G:	GENERAL CRITERIA FOR LANDFILLS
PART H:	LANDFILL CONSTRUCTION REQUIREMENTS
PART I:	HYDROGEOLOGICAL INVESTIGATION REQUIREMENTS
PART J:	GEOTECHNICAL INVESTIGATION REQUIREMENTS
PART K:	VERTICAL EXPANSION OF LANDFILLS
PART L:	LANDFILL OPERATION REQUIREMENTS
PART M:	WATER QUALITY AND LEACHATE MONITORING REQUIREMENTS
PART N:	SPECIAL WASTE HANDLING REQUIREMENTS
PART O:	GAS MANAGEMENT SYSTEM REQUIREMENTS
PART P:	LANDFILL CLOSURE REQUIREMENTS
PART Q:	CLOSURE PROCEDURES
PART R:	LONG TERM CARE REQUIREMENTS
PART S:	FINANCIAL RESPONSIBILITY REQUIREMENTS
PART T:	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

A. GENERAL INFORMATION

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

☒ Disposal

☐ Class I Landfill

☐ Ash Monofill

☐ Class II Landfill

☐ Asbestos Monofill

☒ Class III Landfill

☐ Industrial Solid Waste

☐ Other Describe: _____

☐ Non-Disposal

☐ Incinerator For Non-biomedical Waste

☐ Waste to Energy Without Power Plant Certification

☐ 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

3. Classification of application:

☐ New

☐ Substantial Modification

☒ Renewal

☐ Intermediate Modification

☐ Minor Modification

4. Facility name: Sebring Class III Yard Trash Landfill

5. DEP ID number: 5228M02037 County: Highlands

6. Facility location (main entrance): Intersection of School Street and Cemetery Road.

7. Location coordinates:

Section: 21 Township: 34S Range: 29E

Latitude: 27 ° 30 ' 50 " Longitude: 81 ° 25 ' 00 "

8. Applicant name (operating authority): City of Sebring
Mailing address: 368 South Commerce Ave., Sebring, FL 33870
Street or P.O. Box City State Zip
Contact person: Robert H. Hoffman Telephone: (863) 471-5100
Title: Administrative Assistant - City of Sebring
E-Mail address (if available)

9. Authorized agent/Consultant: Chastain-Skillman, Inc.
Mailing address: 363 US 27 South, Sebring, Fl. 33870
Street or P.O. Box City State Zip
Contact person: W.R. Cauthan, P.E. Telephone: (863) 382-4160
Title: Project Engineer
E-Mail address (if available)

10. Landowner(if different than applicant): Not Applicable
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: City of Sebring

12. Population to be served:
Current: 9842 Five-Year Projection: 10293

13. Date site will be ready to be inspected for completion: Already Operating

14. Expected life of the facility: _____ years

15. Estimated costs:
Total Construction: \$ N/A Closing Costs: \$ 575,966.50

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 _____ tons/day _____ gallons/day

B. DISPOSAL FACILITY GENERAL INFORMATION

1. Provide brief description of disposal facility design and operations planned under this application:

The disposal facility began operation in 1926. Its main purpose
was for the disposal of ash produced at the on site incinerator.
On February 1977, application for a compost site was approved. Its
classification was changed to a Class III Landfill. The permit was
renewed on July 7, 1998 allowing for vertical expansion.

2. Facility site supervisor: Ernest Johnson

Title: Site Supervisor Telephone: (863) 471-5109

E-Mail address (if available)

3. Disposal area: Total 13.5+/- acres; Used 13.5+/- acres; Available 0 acres.

4. Weighing scales used: ☒ Yes ☐ No

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

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

7. Surrounding land use, zoning:

<input checked="" type="checkbox"/> Residential	<input type="checkbox"/> Industrial
<input checked="" type="checkbox"/> Agricultural	<input type="checkbox"/> None
<input type="checkbox"/> Commercial	<input checked="" type="checkbox"/> Other Describe: <u>See Appendix B-Exhibit G</u>

8. Types of waste received:

<input type="checkbox"/> Residential	<input type="checkbox"/> C & D debris
<input type="checkbox"/> Commercial	<input type="checkbox"/> Shredded/cut tires
<input type="checkbox"/> Incinerator/WTE ash	<input checked="" type="checkbox"/> Yard trash
<input type="checkbox"/> Treated biomedical	<input type="checkbox"/> Septic tank
<input type="checkbox"/> Water treatment sludge	<input type="checkbox"/> Industrial
<input type="checkbox"/> Air treatment sludge	<input type="checkbox"/> Industrial sludge
<input type="checkbox"/> Agricultural	<input type="checkbox"/> Domestic sludge
<input type="checkbox"/> Asbestos	
<input type="checkbox"/> Other Describe: _____	

9. Salvaging permitted: ☐ Yes ☒ No

10. Attendant: ☒ Yes ☐ No Trained operator: ☒ Yes ☐ No

11. Spotters: Yes ☐ No ☐ Number of spotters used: N/A
Operator provides direction

12. Site located in: ☐ Floodplain ☐ Wetlands ☒ Other uplands

13. Property recorded as a Disposal Site in County Land Records: ☐ Yes ☐ No
14. Days of operation: 5 days per week
15. Hours of operation: 8 hours per day
16. Days Working Face covered: not covered as approved
17. Elevation of water table: 106 Ft. (NGVD 1929) (seasonal high water table)
18. Number of monitoring wells: N/A
19. Number of surface monitoring points: None
20. Gas controls used: ☐ Yes ☒ No Type controls: ☐ Active ☐ Passive N/A
 Gas flaring: ☐ Yes ☒ No Gas recovery: ☐ Yes ☒ No
21. Landfill unit liner type:
☐ Natural soils ☐ Double geomembrane
☐ Single clay liner ☐ Geomembrane & composite
☐ Single geomembrane ☐ Double composite
☐ Single composite ☒ None
☐ Slurry wall
☐ Other Describe: _____
22. Leachate collection method:
☐ Collection pipes ☐ Sand layer
☐ Geonets ☐ Gravel layer
☐ Well points ☐ Interceptor trench
☐ Perimeter ditch ☒ None
☐ Other Describe: _____
23. Leachate storage method:
☐ Tanks
☐ Surface impoundments
☐ Other Describe: N/A
24. Leachate treatment method:
☐ Oxidation ☐ Chemical treatment
☐ Secondary ☐ Settling
☐ Advanced
☒ None
☐ Other _____

25. Leachate disposal method:

- | | |
|--|--|
| <input type="checkbox"/> Recirculated | <input type="checkbox"/> Pumped to WWTP |
| <input type="checkbox"/> Transported to WWTP | <input type="checkbox"/> Discharged to surface water |
| <input type="checkbox"/> Injection well | <input type="checkbox"/> Percolation ponds |
| <input type="checkbox"/> Evaporation | |
| <input checked="" type="checkbox"/> Other | N/A |

26. For leachate discharged to surface waters:

Name and Class of receiving water: N/A

27. Storm Water:

Collected: ☒ Yes ☐ No

Type of treatment: Retention/Detention Pond

Name and Class of receiving water: Natural percolation the first 1/2
inch runoff

28. Environmental Resources Permit (ERP) number or status: _____

28-0130384-001

C. NON-DISPOSAL FACILITY GENERAL INFORMATION

1. Provide brief description of the non-disposal facility design and operations planned under this application:

Not Applicable

2. Facility site supervisor: _____

Title: _____ Telephone: (____) _____

_____ E-Mail address (if available)

3. Site area: Facility _____ acres; Property _____ acres

4. Security to prevent unauthorized use: ☐ Yes ☐ No

5. Site located in: ☐ Floodplain ☐ Wetlands ☐ Other _____

6. Days of operation: _____

7. Hours of operation: _____

8. Number of operating staff: _____

9. Expected useful life: _____ Years

10. Weighing scales used: ☐ Yes ☐ No

11. Normal processing rate: _____ yd³/day _____ tons/day _____ gal/day

12. Maximum processing rate: _____ yd³/day _____ tons/day _____ gal/day

13. Charge for waste received: _____

14. Storm Water Collected: ☐ Yes ☐ No

Type of treatment: _____

Name and Class of receiving water: _____

15. Environmental Resources Permit (ERP) number or status: _____

16. Final residue produced:

_____ % of normal processing rate _____ % of maximum processing rate

_____ Tons/day _____ Tons/day

Disposed of at:

Facility name: _____ County: _____

17. Estimated operating costs: \$ _____

Total cost/ton: \$ _____ Net cost/ton: \$ _____

18. Provide a site plan, at a scale not greater than 200 feet to the inch, which shows the facility location and identifies the proposed waste and final residue storage areas, total acreage of the site, and any other features which are relevant to the prohibitions or location restrictions in Rule 62-701.300, FAC, such as water bodies or wetlands on or within 200 feet of the site, and potable water wells on or within 500 feet of the site.
19. Provide a description of how the waste and final residue will be managed to not be expected to cause violations of the Department's ground water, surface water or air standards or criteria
20. Provide an estimate of the maximum amount of waste and final residue that will be store on-site.
21. Provide a detailed description of the technology use at the facility and the functions of all processing equipment that will be utilized. The descriptions shall explain the flow of waste and residue through all the proposed unit operations and shall include: (1) regular facility operations as they are expected to occur; (2) procedures for start up operations, and scheduled and unscheduled shut down operations; (3) potential safety hazards and control methods, including fire detection and control; (4) a description of any expected air emissions and wastewater discharges from the facility which may be potential pollution sources; (5) a description and usage rate of any chemical or biological additives that will be used in the process; and (6) process flow diagrams for the facility operations.
22. Provide a description of the loading, unloading and processing areas.
23. Provide a description of the leachate control system that will be used to prevent discharge of leachate to the environment and mixing of leachate with stormwater. Note: Ground water monitoring may be required for the facility depending on the method of leachate control used.
24. Provide an operation plan for the facility which includes: (1) a description of general facility operations, the number of personnel responsible for the operations including their respective job descriptions, and the types of equipment that will be used at the facility; (2) procedures to ensure any unauthorized wastes received at the site will be properly managed; (3) a contingency plan to cover operation interruptions and emergencies such as fires, explosions, or natural disasters; (4) procedures to ensure operational records needed for the facility will be adequately prepared and maintained; and (5) procedures to ensure that the wastes and final residue will be managed to not be expected to cause pollution.
25. Provide a closure plan that describes the procedures that will be implemented when the facility closes including: (1) estimated time to complete closure; (2) procedures for removing and properly managing or disposing of all wastes and final residues; (3) notification of the Department upon ceasing operations and completion of final closure.

D. PROHIBITIONS (62-701.300, FAC)

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>	
			<u>X</u>	1. Provide documentation that each of the siting criteria will be satisfied for the facility; (62-701.300(2), FAC)
<u>X</u>	<u>Eng.Rpt.Pg</u>	<u>12</u>		2. If the facility qualifies for any of the exemptions contained in Rules 62-701.300(12) through (16), FAC, then document this qualification(s).
<u>X</u>	<u>Eng.Rpt.Pg</u>	<u>12</u>		3. Provide documentation that the facility will be in compliance with the burning restrictions; (62-701.300(3), FAC)
<u>X</u>	<u>Eng.Rpt.Pg</u>	<u>12</u>		4. Provide documentation that the facility will be in compliance with the hazardous waste restrictions; (62-701.300(4), FAC)
<u>X</u>	<u>Eng.Rpt.Pg</u>	<u>12</u>		5. Provide documentation that the facility will be in compliance with the PCB disposal restrictions; (62-701.300(5), FAC)
<u>X</u>	<u>Eng.Rpt.Pg</u>	<u>13</u>		6. Provide documentation that the facility will be in compliance with the biomedical waste restrictions; (62-701.300(6), FAC)
<u>X</u>	<u>Eng.Rpt.Pg</u>	<u>13</u>		7. Provide documentation that the facility will be in compliance with the Class I surface water restrictions; (62-701.300(7), FAC)
	<u>Eng.Rpt.Pg</u>	<u>13</u>		8. Provide documentation that the facility will be in compliance with the special waste for landfills restrictions; (62-701.300(8), FAC)
<u>X</u>	<u>Eng.Rpt.Pg</u>	<u>13</u>		9. Provide documentation that the facility will be in compliance with the special waste for waste-to-energy facilities restrictions; (62-701.300(9), FAC)
<u>X</u>	<u>Eng.Rpt.Pg</u>	<u>13</u>		10. Provide documentation that the facility will be in compliance with the liquid restrictions; (62-701.300(10), FAC)
<u>X</u>	<u>Eng.Rpt.Pg</u>	<u>13</u>		11. Provide documentation that the facility will be in compliance with the used oil restrictions; (62-701.300(11), FAC)

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Revised May, 2003
Revised June, 2003

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

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>	
<u>X</u>	_____	___	___	1. Four copies, at minimum, of the completed application form, all supporting data and reports; (62-701.320(5) (a), FAC)
<u>X</u>	_____	___	___	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)
<u>X</u>	<u>Attached</u>	___	___	3. A letter of transmittal to the Department; (62-701.320(7) (a), FAC)
<u>X</u>	<u>Attached</u>	___	___	4. A completed application form dated and signed by the applicant; (62-701.320(7) (b), FAC)
<u>X</u>	_____	___	___	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)
<u>X</u>	<u>Attached</u>	___	___	6. An engineering report addressing the requirements of this rule and with the following format: a cover sheet, text printed on 8 1/2 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)
<u>X</u>	<u>Attached</u>	___	___	7. Operation Plan and Closure Plan; (62-701.320(7) (e) 1, FAC)
<u>X</u>	<u>Eng. Rpt. Pg 14</u>	___	___	8. Contingency Plan; (62-701.320(7) (e) 2, FAC)
				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; (62-702.320(7) (f), FAC)
<u>X</u>	<u>Appendix B Exhibit A & A1</u>			a. A regional map or plan with the project location;
<u>X</u>	<u>DWG 2666.14-1</u>			b. A vicinity map or aerial photograph no more than 1 year old;
<u>X</u>	<u>Appendix B Exhibit J</u>			c. A site plan showing all property boundaries certified by a registered Florida land surveyor;

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S LOCATION N/A N/C

PART E CONTINUED

X _____ _____ _____

d. Other necessary details to support the engineering report.

X Appendix B _____ _____
Exhibit G _____ _____

10. Documentation that the applicant either owns the property or has legal authority from the property owner to use the site; (62-701.320(7)(g), FAC)

_____ _____ X _____

11. For facilities owned or operated by a county, provide a description of how, if any, the facilities covered in this application will contribute to the county's achievement of the waste reduction and recycling goals contained in Section 403.706, FS; (62-701.320(7)(h), FAC)

_____ _____ X _____

12. Provide a history and description of any enforcement actions taken by the Department against the applicant for violations of applicable statutes, rules, orders or permit conditions relating to the operation of any solid waste management facility in this state; (62-701.320(7)(i), FAC)

_____ _____ X _____

13. Proof of publication in a newspaper of general circulation of notice of application for a permit to construct or substantially modify a solid waste management facility; (62-702.320(8), FAC)

X Eng. Rpt. Pg 15 _____ _____

14. Provide a description of how the requirements for airport safety will be achieved including proof of required notices if applicable. If exempt, explain how the exemption applies; (62-701.320(13), FAC)

X Appendix D _____ _____

15. Explain how the operator training requirements will be satisfied for the facility; (62-701.320(15), FAC)

F. LANDFILL PERMIT REQUIREMENTS (62-701.330, FAC)

S LOCATION N/A N/C

X Appendix B Exhibit G1.

Vicinity map or aerial photograph no more than 1 year old and of appropriate scale showing land use and local zoning within one mile of the landfill and of sufficient scale to show all homes or other structures, water bodies, and roads other significant features of the vicinity. All significant features shall be labeled; (62-701.330(3)(a), FAC)

X Appendix B Exhibit A2.

Vicinity map or aerial photograph no more than 1 year old showing all airports that are located within five miles of the proposed landfill; (62-701.330(3)(b), FAC)

X DWG. 2666.14-2

3. Plot plan with a scale not greater than 200 feet to the inch showing; (62-701.330(3)(c), FAC)

X

a. Dimensions;

X

b. Locations of proposed and existing water quality monitoring wells;

X

c. Locations of soil borings;

X DWG 2666.14-4

d. Proposed plan of trenching or disposal areas;

X DWG 2666.14-4

e. Cross sections showing original elevations and proposed final contours which shall be included either on the plot plan or on separate sheets;

X

f. Any previously filled waste disposal areas;

X DWG 2666.14-2

g. Fencing or other measures to restrict access.

4. Topographic maps with a scale not greater than 200 feet to the inch with 5-foot contour intervals showing; (62-701.330(3)(d), FAC):

X DWG-2666.14-3

a. Proposed fill areas;

X

b. Borrow areas;

X DWG-2666.14-2

c. Access roads;

X DWG 2666.14-3

d. Grades required for proper drainage;

X DWG 2666.14-4

e. Cross sections of lifts;

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S LOCATION N/A N/C

PART F CONTINUED

X DWG-2666.14-3 _____
X DWG-2666.14-2 _____
X DWG-2666.14-2 _____

- f. Special drainage devices if necessary;
g. Fencing;
h. Equipment facilities.
5. A report on the landfill describing the following;
(62-701.330(3)(e),FAC)
- a. The current and projected population and area to be served by the proposed site;
b. The anticipated type, annual quantity, and source of solid waste, expressed in tons;
c. The anticipated facility life;
d. The source and type of cover material used for the landfill.
6. Provide evidence that an approved laboratory shall conduct water quality monitoring for the facility in accordance with Chapter 62-160,FAC;
(62-701.330(3)(h),FAC)
7. Provide a statement of how the applicant will demonstrate financial responsibility for the closing and long-term care of the landfill;
(62-701.330(3)(i),FAC)

X Eng. Rpt Pg 18 _____
X Eng. Rpt. Pg 18 _____
X Eng. Rpt. Pg 19 _____
X Eng. Rpt. Pg 19 _____

_____ _____ X _____
X Appendix A _____

GENERAL CRITERIA FOR LANDFILLS (62-701.340,FAC)

X Exhibit "I" _____
X DWG 2666.14-4 _____
_____ _____ X _____

1. Describe (and show on a Federal Insurance Administration flood map, if available) how the landfill or solid waste disposal unit shall not be located in the 100-year floodplain where it will restrict the flow of the 100-year flood, reduce the temporary water storage capacity of the floodplain unless compensating storage is provided, or result in a washout of solid waste; (62-701.340(4)(b),FAC)
2. Describe how the minimum horizontal separation between waste deposits in the landfill and the landfill property boundary shall be 100 feet, measured from the toe of the proposed final cover slope;
(62-701.340(4)(c),FAC)
3. Describe what methods shall be taken to screen the landfill from public view where such screening can practically be provided; (62-701.340(4)(d),FAC)

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H. LANDFILL CONSTRUCTION REQUIREMENTS (62-701.400, FAC)

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>
----------	-----------------	------------	------------

_____	_____	<u>X</u>	_____
-------	-------	----------	-------

1. Describe how the landfill shall be designed so that solid waste disposal units will be constructed and closed at planned intervals throughout the design period of the landfill; (62-701.400(2), FAC)

2. Landfill liner requirements; (62-701.400(3), FAC)

a. General construction requirements; (62-701.400(3)(a), FAC):

_____	_____	<u>X</u>	_____
-------	-------	----------	-------

(1) Provide test information and documentation to ensure the liner will be constructed of materials that have appropriate physical, chemical, and mechanical properties to prevent failure;

_____	_____	<u>X</u>	_____
-------	-------	----------	-------

(2) Document foundation is adequate to prevent liner failure;

_____	_____	<u>X</u>	_____
-------	-------	----------	-------

(3) Constructed so bottom liner will not be adversely impacted by fluctuations of the ground water;

_____	_____	<u>X</u>	_____
-------	-------	----------	-------

(4) Designed to resist hydrostatic uplift if bottom liner located below seasonal high ground water table;

_____	_____	<u>X</u>	_____
-------	-------	----------	-------

(5) Installed to cover all surrounding earth which could come into contact with the waste or leachate.

b. Composite liners; (62-701.400(3)(b), FAC)

_____	_____	<u>X</u>	_____
-------	-------	----------	-------

(1) Upper geomembrane thickness and properties;

_____	_____	<u>X</u>	_____
-------	-------	----------	-------

(2) Design leachate head for primary LCRS including leachate recirculation if appropriate;

_____	_____	<u>X</u>	_____
-------	-------	----------	-------

(3) Design thickness in accordance with Table A and number of lifts planned for lower soil component.

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>
----------	-----------------	------------	------------

_____	_____	<u>X</u>	_____
-------	-------	----------	-------

_____	_____	<u>X</u>	_____
-------	-------	----------	-------

_____	_____	<u>X</u>	_____
-------	-------	----------	-------

_____	_____	<u>X</u>	_____
-------	-------	----------	-------

PART H CONTINUED

c. Double liners; (62-701.400(3)(c), FAC)

(1) Upper and lower geomembrane thicknesses and properties;

(2) Design leachate head for primary LCRS to limit the head to one foot above the liner;

(3) Lower geomembrane sub-base design;

(4) Leak detection and secondary leachate collection system minimum design criteria ($k \geq 10$ cm/sec, head on lower liner ≤ 1 inch, head not to exceed thickness of drainage layer);

d. Standards for geosynthetic components; (62-701.400(3)(d), FAC)

_____	_____	<u>X</u>	_____
-------	-------	----------	-------

(1) Field seam test methods to ensure all field seams are at least 90 percent of the yield strength for the lining material;

_____	_____	<u>X</u>	_____
-------	-------	----------	-------

(2) Geomembranes to be used shall pass a continuous spark test by the manufacturer;

_____	_____	<u>X</u>	_____
-------	-------	----------	-------

(3) Design of 24-inch-thick protective layer above upper geomembrane liner;

_____	_____	<u>X</u>	_____
-------	-------	----------	-------

(4) Describe operational plans to protect the liner and leachate collection system when placing the first layer of waste above 24-inch-thick protective layer.

_____	_____	<u>X</u>	_____
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(5) HDPE geomembranes, if used, meet the specifications in GRI GM13;

_____	_____	<u>X</u>	_____
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(6) PVC geomembranes, if used, meet the specifications in PGI 1197;

_____	_____	<u>X</u>	_____
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(7) Interface shear strength testing results of the actual components which will be used in the liner system;

_____	_____	<u>X</u>	_____
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(8) Transmissivity testing results of geonets if they are used in the liner system;

_____	_____	<u>X</u>	_____
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(9) Hydraulic conductivity testing results of geosynthetic clay liners if they are used in the liner system;

S LOCATION N/A N/C

PART H CONTINUED

e. Geosynthetic specification requirements;
(62-701.400(3)(e), FAC)

- (1) Definition and qualifications of the designer, manufacturer, installer, QA consultant and laboratory, and QA program;
- (2) Material specifications for geomembranes, geocomposites, geotextiles, geogrids, and geonets;
- (3) Manufacturing and fabrication specifications including geomembrane raw material and roll QA, fabrication personnel qualifications, seaming equipment and procedures, overlaps, trial seams, destructive and nondestructive seam testing, seam testing location, frequency, procedure, sample size and geomembrane repairs;
- (4) Geomembrane installation specifications including earthwork, conformance testing, geomembrane placement, installation personnel qualifications, field seaming and testing, overlapping and repairs, materials in contact with geomembrane and procedures for lining system acceptance;
- (5) Geotextile and geogrid specifications including handling and placement, conformance testing, seams and overlaps, repair, and placement of soil materials and any overlying materials;
- (6) Geonet and geocomposite specifications including handling and placement, conformance testing, stacking and joining, repair, and placement of soil materials and any overlying materials;
- (7) Geosynthetic clay liner specifications including handling and placement, conformance testing, seams and overlaps, repair, and placement of soil material and any overlying materials;

f. Standards for soil components
(62-710.400(3)(f), FAC):

- (1) Description of construction procedures including overexcavation and backfilling to preclude structural inconsistencies and procedures for placing and compacting soil component in layers;

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>
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PART H CONTINUED

_____	_____	<u>X</u>	_____
_____	_____	<u>X</u>	_____
_____	_____	<u>X</u>	_____
_____	_____	<u>X</u>	_____
_____	_____	<u>X</u>	_____
_____	_____	<u>X</u>	_____
_____	_____	<u>X</u>	_____
_____	_____	<u>X</u>	_____
_____	_____	<u>X</u>	_____

- (2) Demonstration of compatibility of the soil component with actual or simulated leachate in accordance with EPA Test Method 9100 or an equivalent test method;
- (3) Procedures for testing in-situ soils to demonstrate they meet the specifications for soil liners;
- (4) Specifications for soil component of liner including at a minimum:
 - (a) Allowable particle size distribution, Atterberg limits, shrinkage limit;
 - (b) Placement moisture and dry density criteria;
 - (c) Maximum laboratory-determined saturated hydraulic conductivity using simulated leachate;
 - (d) Minimum thickness of soil liner;
 - (e) Lift thickness;
 - (f) Surface preparation (scarification);
 - (g) Type and percentage of clay mineral within the soil component;
- (5) Procedures for constructing and using a field test section to document the desired saturated hydraulic conductivity and thickness can be achieved in the field.

3. Leachate collection and removal system (LCRS); (62-701.400(4), FAC)

a. The primary and secondary LCRS requirements; (62-701.400(4)(a), FAC)

_____	_____	<u>X</u>	_____
_____	_____	<u>X</u>	_____
_____	_____	<u>X</u>	_____
_____	_____	<u>X</u>	_____

- (1) Constructed of materials chemically resistant to the waste and leachate;
- (2) Have sufficient mechanical properties to prevent collapse under pressure;
- (3) Have granular material or synthetic geotextile to prevent clogging;
- (4) Have method for testing and cleaning clogged pipes or contingent designs for rerouting leachate around failed areas;

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>
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—	—	<u>X</u>	—
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—	—	<u>X</u>	—
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—	—	<u>X</u>	—
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—	—	<u>X</u>	—
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—	—	<u>X</u>	—
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—	—	<u>X</u>	—
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—	—	<u>X</u>	—
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—	—	<u>X</u>	—
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—	—	<u>X</u>	—
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—	—	<u>X</u>	—
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PART H CONTINUED

b. Primary LCRS requirements;
(62-701.400 (4) (b) ,FAC)

(1) Bottom 12 inches having hydraulic conductivity $\geq 1 \times 10^{-3}$ cm/sec;

(2) Total thickness of 24 inches of material chemically resistant to the waste and leachate;

(3) Bottom slope design to accomodate for predicted settlement;

(4) Demonstration that synthetic drainage material, if used, is equivalent or better than granular material in chemical compatibility, flow under load and protection of geomembrane liner.

4. Leachate recirculation; (62-701.400 (5) ,FAC)

a. Describe general procedures for recirculating leachate;

b. Describe procedures for controlling leachate runoff and minimizing mixing of leachate runoff with storm water;

c. Describe procedures for preventing perched water conditions and gas buildup;

d. Describe alternate methods for leachate management when it cannot be recirculated due to weather or runoff conditions, surface seeps, wind-blown spray, or elevated levels of leachate head on the liner;

e. Describe methods of gas management in accordance with Rule 62-701.530, FAC;

f. If leachate irrigation is proposed, describe treatment methods and standards for leachate treatment prior to irrigation over final cover and provide documentation that irrigation does not contribute significantly to leachate generation.

S LOCATION N/A N/C

PART H CONTINUED

5. Leachate storage tanks and leachate surface impoundments; (62-701.400(6), FAC)

a. Surface impoundment requirements; (62-701.400(6)(b), FAC)

_____	_____	<u>X</u>	_____
_____	_____	<u>X</u>	_____
_____	_____	<u>X</u>	_____
_____	_____	<u>X</u>	_____
_____	_____	<u>X</u>	_____
_____	_____	<u>X</u>	_____
_____	_____	<u>X</u>	_____
_____	_____	<u>X</u>	_____
_____	_____	<u>X</u>	_____

- (1) Documentation that the design of the bottom liner will not be adversely impacted by fluctuations of the ground water;
- (2) Designed in segments to allow for inspection and repair as needed without interruption of service;
- (3) General design requirements;
 - (a) Double liner system consisting of an upper and lower 60-mil minimum thickness geomembrane;
 - (b) Leak detection and collection system with hydraulic conductivity ≥ 1 cm/sec;
 - (c) Lower geomembrane placed on subbase ≥ 6 inches thick with $k \leq 1 \times 10^{-5}$ cm/sec or on an approved geosynthetic clay liner with $k \leq 1 \times 10^{-7}$ cm/sec;
 - (d) Design calculation to predict potential leakage through the upper liner;
 - (e) Daily inspection requirements and notification and corrective action requirements if leakage rates exceed that predicted by design calculations;
- (4) Description of procedures to prevent uplift, if applicable;
- (5) Design calculations to demonstrate minimum two feet of freeboard will be maintained;
- (6) Procedures for controlling disease vectors and off-site odors.

S LOCATION N/A N/C

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PART H CONTINUED

b. Above-ground leachate storage tanks;
(62-701.400 (6) (c), FAC)

- (1) Describe tank materials of construction and ensure foundation is sufficient to support tank;
- (2) Describe procedures for cathodic protection if needed for the tank;
- (3) Describe exterior painting and interior lining of the tank to protect it from the weather and the leachate stored;
- (4) Describe secondary containment design to ensure adequate capacity will be provided and compatibility of materials of construction;
- (5) Describe design to remove and dispose of stormwater from the secondary containment system;
- (6) Describe an overflow prevention system such as level sensors, gauges, alarms and shutoff controls to prevent overfilling;
- (7) Inspections, corrective action and reporting requirements;
 - (a) Overflow prevention system weekly;
 - (b) Exposed tank exteriors weekly;
 - (c) Tank interiors when tank is drained or at least every three years;
 - (d) Procedures for immediate corrective action if failures detected;
 - (e) Inspection reports available for department review.

c. Underground leachate storage tanks;
(62-701.400 (6) (d), FAC)

- (1) Describe materials of construction;
- (2) A double-walled tank design system to be used with the following requirements;

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>
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PART H CONTINUED

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—	—	X	—
—	—	X	—
—	—	X	—
—	—	X	—
—	—	X	—
—	—	X	—

- (a) Interstitial space monitoring at least weekly;
- (b) Corrosion protection provided for primary tank interior and external surface of outer shell;
- (c) Interior tank coatings compatible with stored leachate;
- (d) Cathodic protection inspected weekly and repaired as needed;
- (3) Describe an overfill prevention system such as level sensors, gauges, alarms and shutoff controls to prevent overfilling and provide for weekly inspections;
- (4) Inspection reports available for department review.

d. Schedule provided for routine maintenance of LCRS; (62-701.400(6)(e), FAC)

6. Liner systems construction quality assurance (CQA); (62-701.400(7), FAC)

—	—	X	—
—	—	X	—
—	—	X	—
—	—	X	—
—	—	X	—
—	—	X	—
—	—	X	—

- a. Provide CQA Plan including:
 - (1) Specifications and construction requirements for liner system;
 - (2) Detailed description of quality control testing procedures and frequencies;
 - (3) Identification of supervising professional engineer;
 - (4) Identify responsibility and authority of all appropriate organizations and key personnel involved in the construction project;
 - (5) State qualifications of CQA professional engineer and support personnel;
 - (6) Description of CQA reporting forms and documents;

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>
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PART H CONTINUED

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

7. Soil Liner CQA (62-701.400(8)FAC)

_____	_____	<u>X</u>	_____
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- 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;

_____	_____	<u>X</u>	_____
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- b. Description of field test section construction and test methods to be implemented prior to liner installation;

_____	_____	<u>X</u>	_____
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- c. Description of field test methods including rejection criteria and corrective measures to insure proper liner installation.

<u>X</u>	_____	_____	_____
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8. Surface water management systems; (62-701.400(9),FAC)

<u>X</u>	DWG 2666.14-4	_____	_____
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- a. Provide a copy of a Department permit for stormwater control or documentation that no such permit is required;

<u>X</u>	DWG 2666.14-4	_____	_____
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- b. Design of surface water management system to isolate surface water from waste filled areas and to control stormwater run-off;

- c. Details of stormwater control design including retention ponds, detention ponds, and drainage ways;

_____	_____	<u>X</u>	_____
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9. Gas control systems; (62-701.400(10),FAC)

- 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;

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)

I. HYDROGEOLOGICAL INVESTIGATION REQUIREMENTS (62-701.410(1), FAC)

S	LOCATION	N/A	N/C
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1. Submit a hydrogeological investigation and site report including at least the following information:

_____	_____	_____	X
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a. Regional and site specific geology and hydrogeology;

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

_____	_____	_____	X
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c. Background quality of ground water and surface water;

_____	_____	_____	X
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d. Any on-site hydraulic connections between aquifers;

_____	_____	_____	X
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e. Site stratigraphy and aquifer characteristics for confining layers, semi-confining layers, and all aquifers below the landfill site that may be affected by the landfill;

_____	_____	_____	X
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f. Description of topography, soil types and surface water drainage systems;

_____	_____	_____	X
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g. Inventory of all public and private water wells within a one-mile radius of the landfill 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;

_____	_____	_____	X
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h. Identify and locate any existing contaminated areas on the site;

_____	_____	_____	X
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i. Include a map showing the locations of all potable wells within 500 feet, and all community water supply wells within 1000 feet, of the waste storage and disposal areas;

_____	_____	_____	X
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2. Report signed, sealed and dated by PE or PG.

Note: Previous submittal
Date 8/6/87
SO 28-125385

Revised May, 2003

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MAY 15 2003

2.6.2 South District

J. GEOTECHNICAL INVESTIGATION REQUIREMENTS (62-701.410(2), FAC)

S LOCATION N/A N/C

1. Submit a geotechnical site investigation report defining the engineering properties of the site including at least the following:

— — — X

a. Description of subsurface conditions including soil stratigraphy and ground water table conditions;

— — — X

b. Investigate for the presence of muck, previously filled areas, soft ground, lineaments and sink holes;

— — — X

c. Estimates of average and maximum high water table across the site;

d. Foundation analysis including:

— — — X

(1) Foundation bearing capacity analysis;

— — — X

(2) Total and differential subgrade settlement analysis;

— — — X

(3) Slope stability analysis;

— — — X

e. Description of methods used in the investigation and includes soil boring logs, laboratory results, analytical calculations, cross sections, interpretations and conclusions;

— — — X

f. An evaluation of fault areas, seismic impact zones, and unstable areas as described in 40 CFR 258.13, 40 CFR 258.14 and 40 CFR 258.15.

— — — X

2. Report signed, sealed and dated by PE or PG.

Note: Previous submittal date
8/6/87. SO28-125385

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MAY 15 2003

U.S. District

Revised May, 2003

K. VERTICAL EXPANSION OF LANDFILLS (62-701.430, FAC)

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>	
—	—	X	—	1. Describe how the vertical expansion shall not cause or contribute to leachate leakage from the existing landfill or adversely affect the closure design of the existing landfill;
—	—	X	—	2. Describe how the vertical expansion over unlined landfills will meet the requirements of Rule 62-701.400, FAC with the exceptions of Rule 62-701.430(1)(c), FAC;
—	—	X	—	3. Provide foundation and settlement analysis for the vertical expansion;
—	—	X	—	4. Provide total settlement calculations demonstrating that the final elevations of the lining system, that gravity drainage, and that no other component of the design will be adversely affected;
—	—	X	—	5. Minimum stability safety factor of 1.5 for the lining system component interface stability and deep stability;
—	—	X	—	6. Provide documentation to show the surface water management system will not be adversely affected by the vertical expansion;
—	—	X	—	7. Provide gas control designs to prevent accumulation of gas under the new liner for the vertical expansion.

LANDFILL OPERATION REQUIREMENTS (62-701.500, FAC)

X Eng. Rpt. Pg 21

1. Provide documentation that landfill will have at least one trained operator during operation and at least one trained spotter at each working face; (62-701.500(1), FAC)
2. Provide a landfill operation plan including procedures for: (62-701.500(2), FAC)

X OP Plan

X OP Plan

X OP Plan

X OP Plan

X OP Plan

X OP Plan

X OP Plan

X OP Plan

X OP Plan

X OP Plan

X Eng. Rpt. Pg 24

- a. Designating responsible operating and maintenance personnel;
- b. Contingency operations for emergencies;
- c. Controlling types of waste received at the landfill;
- d. Weighing incoming waste;
- e. Vehicle traffic control and unloading;
- f. Method and sequence of filling waste;
- g. Waste compaction and application of cover;
- h. Operations of gas, leachate, and stormwater controls;
- i. Water quality monitoring.
- j. Maintaining and cleaning the leachate collection system;

3. Provide a description of the landfill operation record to be used at the landfill; details as to location of where various operational records will be kept (i.e. FDEP permit, engineering drawings, water quality records, etc.) (62-701.500(3), FAC)

X Eng. Rpt. Pg 24

4. Describe the waste records that will be compiled monthly and provided to the Department quarterly; (62-701.500(4), FAC)

X Eng. Rpt. Pg 24

5. Describe methods of access control; (62-701.500(5), FAC)

X Eng. Rpt. Pg 25

6. Describe load checking program to be implemented at the landfill to discourage disposal of unauthorized wastes at the landfill; (62-701.500(6), FAC)

7. Describe procedures for spreading and compacting waste at the landfill that include: (62-701.500(7), FAC)

X Eng, Rpt, Pg 25

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JUN 25 2003

Revised May, 2003

Revised June, 2003

S LOCATION N/A N/C

PART L CONTINUED

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X	Eng. Rpt. Pg. 25		
X	Eng. Rpt. Pg. 25		
X	Eng. Rpt. Pg. 25		
X	Eng. Rpt. Pg. 25		
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X	Eng. Rpt. Pg. 26		
X	Eng. Rpt. Pg. 26		
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X	Eng. Rpt. Pg. 26		
X	Eng. Rpt. Pg. 26		
		X	
		X	
		X	
		X	
		X	

- b. Special considerations for first layer of waste placed above liner and leachate collection system;
 - c. Slopes of cell working face and side grades above land surface, planned lift depths during operation;
 - d. Maximum width of working face;
 - e. Description of type of initial cover to be used at the facility that controls:
 - (1) Disease vector breeding/animal attraction
 - (2) Fires
 - (3) Odors
 - (4) Blowing litter
 - (5) Moisture infiltration
 - f. Procedures for applying initial cover including minimum cover frequencies;
 - g. Procedures for applying intermediate cover;
 - h. Time frames for applying final cover;
 - i. Procedures for controlling scavenging and salvaging.
 - j. Description of litter policing methods;
 - k. Erosion control procedures.
8. Describe operational procedures for leachate management including; (62-701.500(8), FAC)
- a. Leachate level monitoring, sampling, analysis and data results submitted to the Department;
 - b. Operation and maintenance of leachate collection and removal system, and treatment as required;
 - c. Procedures for managing leachate if it becomes regulated as a hazardous waste;
 - d. Agreements for off-site discharge and treatment of leachate;
 - e. Contingency plan for managing leachate during emergencies or equipment problems;

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JUN 25 2003

S	LOCATION	N/A	N/C
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PART L CONTINUED

- f. Procedures for recording quantities of leachate generated in gal/day and including this in the operating record;
- g. Procedures for comparing precipitation experienced at the landfill with leachate generation rates and including this information in the operating record;
- h. Procedures for water pressure cleaning or video inspecting leachate collection systems.

9. Describe how the landfill receiving degradable wastes shall implement a gas management system meeting the requirements of Rule 62-701.530, FAC; (62-701.500(9), FAC)

10. Describe procedures for operating and maintaining the landfill stormwater management system to comply with the requirements of Rule 62-701.400(9); (62-701.500(10), FAC)

11. Equipment and operation feature requirements; (62-701.500(11), FAC)

- a. Sufficient equipment for excavating, spreading, compacting and covering waste;
- b. Reserve equipment or arrangements to obtain additional equipment within 24 hours of breakdown;
- c. Communications equipment;
- d. Dust control methods;
- e. Fire protection capabilities and procedures for notifying local fire department authorities in emergencies;
- f. Litter control devices;
- g. Signs indicating operating authority, traffic flow, hours of operation, disposal restrictions.

12. Provide a description of all-weather access road, inside perimeter road and other roads necessary for access which shall be provided at the landfill; (62-701.500(12), FAC)

13. Additional record keeping and reporting requirements; (62-701.500(13), FAC)

APPROVED

JUN 10 2003

DEP FORM 62-701.900(1)

Revised May, 2003

Revised June, 2003

S LOCATION N/A N/C

<u>X</u>	<u>Eng.Rpt.Pg.28</u>	<u> </u>	<u> </u>
<u>X</u>	<u>Eng.Rpt.Pg.28</u>	<u> </u>	<u> </u>
<u>X</u>	<u>Eng.Rpt.Pg.28</u>	<u> </u>	<u> </u>
<u>X</u>	<u>Eng.Rpt.Pg.28</u>	<u> </u>	<u> </u>

PART L CONTINUED

- a. Records used for developing permit applications and supplemental information maintained for the design period of the landfill;
- b. Monitoring information, calibration and maintenance records, copies of reports required by permit maintained for at least 10 years;
- c. Maintain annual estimates of the remaining life of constructed landfills and of other permitted areas not yet constructed and submit this estimate annually to the Department;
- d. Procedures for archiving and retrieving records which are more than five year old.

Revised May, 2003

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MAY 25 2003

U.S. DEPT. OF JUSTICE

M. WATER QUALITY AND LEACHATE MONITORING REQUIREMENTS (62-701.510, FAC)

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>
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_____	_____	<u>X</u>	_____
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1. Water quality and leachate monitoring plan shall be submitted describing the proposed ground water, surface water and leachate monitoring systems and shall meet at least the following requirements;

_____	_____	<u>X</u>	_____
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a. Based on the information obtained in the hydrogeological investigation and signed, dated and sealed by the PG or PE who prepared it; (62-701.510(2)(a), FAC)

_____	_____	<u>X</u>	_____
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b. All sampling and analysis performed in accordance with Chapter 62-160, FAC; (62-701.510(2)(b), FAC)

c. Ground water monitoring requirements; (62-701.510(3), FAC)

_____	_____	<u>X</u>	_____
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(1) Detection wells located downgradient from and within 50 feet of disposal units;

_____	_____	<u>X</u>	_____
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(2) Downgradient compliance wells as required;

_____	_____	<u>X</u>	_____
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(3) Background wells screened in all aquifers below the landfill that may be affected by the landfill;

_____	_____	<u>X</u>	_____
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(4) Location information for each monitoring well;

_____	_____	<u>X</u>	_____
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(5) Well spacing no greater than 500 feet apart for downgradient wells and no greater than 1500 feet apart for upgradient wells unless site specific conditions justify alternate well spacings;

_____	_____	<u>X</u>	_____
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(6) Well screen locations properly selected;

_____	_____	<u>X</u>	_____
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(7) Procedures for properly abandoning monitoring wells;

_____	_____	<u>X</u>	_____
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(8) Detailed description of detection sensors if proposed.

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_____ _____ X _____

_____ _____ X _____

PART M CONTINUED

d. Surface water monitoring requirements;
(62-701.510(4), FAC)

(1) Location of and justification for all
proposed surface water monitoring points;

(2) Each monitoring location to be marked and
its position determined by a registered
Florida land surveyor;

e. Leachate sampling locations proposed;
(62-701.510(5), FAC)

f. Initial and routine sampling frequency and
requirements; (62-701.510(6), FAC)

(1) Initial background ground water and
surface water sampling and analysis
requirements;

(2) Routine leachate sampling and analysis
requirements;

(3) Routine monitoring well sampling and
analysis requirements;

(4) Routine surface water sampling and
analysis requirements.

g. Describe procedures for implementing evaluation
monitoring, prevention measures and corrective
action as required; (62-701.510(7), FAC)

h. Water quality monitoring report requirements;
(62-701.510(9), FAC)

(1) Semi-annual report requirements;

(2) Bi-annual report requirements signed,
dated and sealed by PG or PE.

N. SPECIAL WASTE HANDLING REQUIREMENTS (62-701.520, FAC)

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>	
—	—	<u>X</u>	—	1. Describe procedures for managing motor vehicles; (62-701.520(1), FAC)
—	—	<u>X</u>	—	2. Describe procedures for landfilling shredded waste; (62-701.520(2), FAC)
—	—	<u>X</u>	—	3. Describe procedures for asbestos waste disposal; (62-701.520(3), FAC)
—	—	<u>X</u>	—	4. Describe procedures for disposal or management of contaminated soil; (62-701.520(4), FAC)
—	—	<u>X</u>	—	5. Describe procedures for disposal of biological wastes; (62-701.520(5), FAC)

O. GAS MANAGEMENT SYSTEM REQUIREMENTS (62-701.530, FAC)

				1. Provide the design for a gas management systems that will (62-701.530(1), FAC):
—	—	<u>X</u>	—	a. Be designed to prevent concentrations of combustible gases from exceeding 25% the LEL in structures and 100% the LEL at the property boundary;
—	—	<u>X</u>	—	b. Be designed for site-specific conditions;
—	—	<u>X</u>	—	c. Be designed to reduce gas pressure in the interior of the landfill;
—	—	<u>X</u>	—	d. Be designed to not interfere with the liner, leachate control system or final cover.
—	—	<u>X</u>	—	2. Provide documentation that will describe locations, construction details and procedures for monitoring gas at ambient monitoring points and with soil monitoring probes; (62-701.530(2), FAC):
—	—	<u>X</u>	—	3. Provide documentation describing how the gas remediation plan and odor remediation plan will be implemented; (62-701.530(3), FAC):
				4. Landfill gas recovery facilities; (62-701.530(5), FAC):
—	—	<u>X</u>	—	a. Information required in Rules 62-701.320(7) and 62-701.330(3), FAC supplied;
—	—	<u>X</u>	—	b. Information required in Rule 62-701.600(4), FAC supplied where relevant and practical;
—	—	<u>X</u>	—	c. Estimate of current and expected gas generation rates and description of condensate disposal methods provided;
<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>	PART O CONTINUED
—	—	<u>X</u>	—	d. Description of procedures for condensate sampling, analyzing and data reporting provided;

- e. Closure plan provided describing methods to control gas after recovery facility ceases operation and any other requirements contained in Rule 62-701.400(10), FAC;
- f. Performance bond provided to cover closure costs if not already included in other landfill closure costs.

P. **LANDFILL FINAL CLOSURE REQUIREMENTS** (62-701.600, FAC)

1. Closure schedule requirements; (62-701.600(2), FAC)

- a. Documentation that a written notice including a schedule for closure will be provided to the Department at least one year prior to final receipt of wastes;
- b. Notice to user requirements within 120 days of final receipt of wastes;
- c. Notice to public requirements within 10 days of final receipt of wastes.

2. Closure permit general requirements; (62-701.600(3), FAC)

- a. Application submitted to Department at least 90 days prior to final receipt of wastes;
- b. Closure plan shall include the following:
 - (1) Closure report;
 - (2) Closure design plan;
 - (3) Closure operation plan;
 - (4) Closure procedures;
 - (5) Plan for long term care;
 - (6) A demonstration that proof of financial responsibility for long term care will be provided.

3. Closure report requirements; (62-701.600(4), FAC)

- a. General information requirements;
 - (1) Identification of landfill;

Note: 2b (1) thru (6) and 3a (1) Provided by Permit 0038558-001- SO/T3

Revised May, 2003

Revised June, 2003

S LOCATION N/A N/C

PART P CONTINUED

_____	_____	_____	X
_____	_____	_____	X
_____	_____	_____	X
_____	_____	_____	X
_____	_____	_____	X
_____	_____	_____	X
_____	_____	_____	X
_____	_____	_____	X
_____	_____	_____	X
X	Dwg 2666.14-3	_____	_____
_____	_____	_____	X
X	DWG 2666.14-3	_____	_____
_____	_____	_____	X
_____	_____	_____	X

- (2) Location, description and vicinity map;
- (3) Total acres of disposal areas and landfill property;
- (4) Legal property description;
- (5) History of landfill;
- (6) Identification of types of waste disposed of at the landfill.
- b. Geotechnical investigation report and water quality monitoring plan required by Rule 62-701.330(3), FAC;
- c. Land use information report indicating: identification of adjacent landowners; zoning; present land uses; and roads, highways right-of-way, or easements.
- d. Report on actual or potential gas migration at landfills containing degradable wastes which would allow migration of gas off the landfill property;
- e. Report assessing the effectiveness of the landfill design and operation including results of geotechnical investigations, surface water and storm water management, gas migration and concentrations, condition of existing cover, and nature of waste disposed of at the landfill;
- 4. Closure design requirements to be included in the closure design plan: (62-701.600(5), FAC)
 - a. Plan sheet showing phases of site closing;
 - b. Drawings showing existing topography and proposed final grades;
 - c. Provisions to close units when they reach approved design dimensions;
 - d. Final elevations before settlement;
 - e. Side slope design including benches, terraces, down slope drainage ways, energy dissipators and discussion of expected precipitation effects;
 - f. Final cover installation plans including:
 - (1) CQA plan for installing and testing final cover;

Note: 3a (2) thru (6), 3b thru 3e, 4a thru F(1) by Permit 0038558-001-. SO/T3 except at noted.

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U.S.P. Court District

<u>S</u>	<u>LOCATION</u>	<u>N/A</u>	<u>N/C</u>
<u>X</u>	<u>Eng. Rpt. Pg. 36</u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u>X</u>	<u> </u>
<u> </u>	<u> </u>	<u>X</u>	<u> </u>

PART P CONTINUED

- e. Development and implementation of the water quality monitoring plan required in Rule 62-701.510, FAC.
- f. Development and implementation of gas management system required in Rule 62-701.530, FAC.
- 6. Justification for and detailed description of procedures to be followed for temporary closure of the landfill, if desired; (62-701.600(7), FAC)

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JUN 25 2003

0.2.2. South District

LOCATION	N/A	N/C	
	X		1. Survey monuments; (62-701.610(2), FAC)
Eng. Rpt. Pg. 37			2. Final survey report; (62-701.610(3), FAC)
Eng. Rpt. Pg. 37			3. Certification of closure construction completion; (62-701.610(4), FAC)
Eng. Rpt. Pg. 37			4. Declaration to the public; (62-701.610(5), FAC)
Eng. Rpt. Pg. 38			5. Official date of closing; (62-701.610(6), FAC)
Eng. Rpt. Pg. 38			6. Use of closed landfill areas; (62-701.610(7), FAC)
Eng. Rpt. Pg. 38			7. Relocation of wastes; (62-701.610(8), FAC)

LONG TERM CARE REQUIREMENTS (62-701.620, FAC)

	X		1. Maintaining the gas collection and monitoring system; (62-701.620(5), FAC)
Eng. Rpt. Pg. 38			2. Right of property access requirements; (62-701.620(6), FAC)
Eng. Rpt. Pg. 38			3. Successors of interest requirements; (62-701.620(7), FAC)
	X		4. Requirements for replacement of monitoring devices; (62-701.620(9), FAC)
Eng. Rpt. Pg. 39			5. Completion of long term care signed and sealed by professional engineer (62-701.620(10), FAC).

FINANCIAL RESPONSIBILITY REQUIREMENTS (62-701.630, FAC)

Appendix A			1. Provide cost estimates for closing, long term care, and corrective action costs estimated by a PE for a third party performing the work, on a per unit basis, with the source of estimates indicated; (62-701.630(3)&(7), FAC).
Eng. Rpt. Pg. 40			2. Describe procedures for providing annual cost adjustments to the Department based on inflation and changes in the closing, long-term care, and corrective action plans; (62-701.630(4)&(8), FAC).
Eng. Rpt. Pg. 40			3. Describe funding mechanisms for providing proof of financial assurance and include appropriate financial assurance forms; (62-701.630(5), (6), &(9), FAC).

Revised May, 2003
Revised June, 2003

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1. Applicant:

_____ is aware that statements made in this form and attached

Signature of Applicant or Agent

Mailing Address

Sebring, FL 33870

City, State, Zip Code

(86)3 - 471-5100

Telephone Number

Date:

2. Professional Engineer registered in Florida (or Public Officer if authorized under Sections 403.707 and 403.7075, Florida Statutes):

Signature

Mailing Address

Sebring, FL 33870

City, State, Zip Code

27563

(863) 382-4160

~~Telephone Number~~

Date:

ENGINEERING REPORT

ENGINEERING REPORT
(revised)

June, 2003

CLASS III YARD TRASH LANDFILL ENGINEERING REPORT

City of Sebring Class III Yard Trash Landfill
Intersection School Street and Cemetery Road
Sebring, Highlands County, Florida

Prepared For

CITY OF SEBRING
368 S. Commerce Ave.
Sebring, Florida 33870



Submitted to

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
South District Office
2295 Victoria Avenue, Suite 364
Fort Myers, Florida 33901

Prepared by

CHASTAIN-SKILLMAN, INC.
363 U. S. Highway 27 South
Sebring, Florida 33870

CSI File No. 2666.14

Revised – June, 2003

engineers • architects • surveyors



[Handwritten signature]
6/23/03

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1.0

INTRODUCTION

1.1 BACKGROUND

The Sebring Class III Yard Trash Landfill began operating in 1926. Its main purpose was for the disposal of ash produced from domestic solid waste burned at the newly constructed on-site incinerator. Until its abandonment in 1960, the incinerator received domestic solid waste from much of Highlands County. Until 1977, the site received domestic solid waste and yard trash from the City of Sebring. The domestic solid waste and yard trash was piled and burned onsite until the Highlands County landfill was made available. Approximately 1 acre of the landfill's 13 acres was utilized for the disposal of domestic solid waste.

On February 25, 1977, application for a compost site was approved, and renewed under permit number S028-50137. Its classification was changed to a Class III Yard Trash landfill. This permit was subsequently renewed on August 6, 1987, June 14, 1993 and July 7, 1998. The current operating permit (0038558-001-SO/T3) expires on July 7, 2003.

The vertical expansion to 143 feet from 127 feet NGVD was approved on July 7, 1998

by the existing permit. The natural ground elevation in the disposal area is 115 feet. The storm water permit (28-0130384-001) was issued July 27, 1998; the "as-built" was submitted August 2002; DEP is in the process of certifying the system. The discontinuance of ground water monitoring was approved July 11, 2002

1.2 SCOPE OF REPORT

This Engineering Report is submitted in support of an application to renew permit No. 0038558-001-SO/T3, which expires on July 7, 2003. This report and its supporting exhibits are prepared to meet the intent of Chapter 62-701, F.A.C. In addition to the background information provided in the previous section, this report includes the following information:

- additional general information about the facility;
- regional and site-specific geological information;
- waste generation and anticipated site life; and
- an item-by-item discussion of remaining regulatory issues with references to previously submitted information.

2.0 GENERAL INFORMATION

2.1 LANDFILL IDENTIFICATION AND CONTACTS

The landfill is identified as follows:

Sebring Class III Yard Trash Landfill,
Highlands County, Florida
Operating Permit No. 0038558-001-SO/T3
FDEP ID. No.: 5228M02037

The primary contact for the facility is Mr. Robert H. Hoffman, City Administrative Assistant. The City Administrative Assistant's office is located on 368 South Commerce Avenue, Sebring, Florida 33870. The telephone number is (863) 471-5100. Any correspondence related to this application can be directed to Chastain-Skillman, Inc. (CSI), the City's consultant for preparation of this report, at 363 US 27 South, Sebring, Florida 33870. CSI's telephone number is (863) 382-4160.

The City's Class III Yard Trash Landfill is located on a 58.2-acre parcel owned by the City in the South 1/2 of the Southeast 1/4 and the Northeast 1/4 of the North 1/2 of the Northeast 1/4 of the Southeast 1/4 of Section 21, Township 34 South, Range 29 East, Highlands County, Florida. The site lies on the eastern edge of the City, at the intersection of School Street and Cemetery Roads. See **Exhibit A and A1 of Appendix B** which contains illustrations of the landfill location. As can be seen on **Exhibit G, Appendix B**, the surrounding land is zoned AU (agricultural), M2 (mobile home), EU (estate district), CI (commercial) and M1S (mobile home).

3.0 PHYSIOGRAPHY AND GEOLOGY

3.1 PHYSIOGRAPHY

The Sebring Landfill, like all of Highlands County, is in what the U.S. Geological Survey terms the Floridian section of the Atlantic Coastal Plain physiographic province. The Florida Geological Survey divides Highlands County further into the Osceola Plain, Okeechobee Plain, Desoto Plain, Lake Wales Ridge and Intraridge Valley (**Exhibit B of Appendix B**). The landfill site is in the Lake Wales Ridge Subdivision.

The Lake Wales ridge is the topographic crest of central Florida. It is about 10 miles wide and some 40 miles long in Highlands County. It consists of residual sand hills, relic beach ridges and paleo sand dune fields. Some of the residual hills are as high as 220 feet NGVD. Most of the surficial deposits and the relief features are related to Pliocene and Early Pleistocene beach ridges and dunes. There are many solution basins (sinks) throughout the subdivision, many with large lakes. The topography of the landfill area generally slopes to East-Northeast toward Carter Creek, a tributary of Arbuckle Creek. Some of the surface water drainage from the site is accomplished by this tributary, however, many of the lakes and basins are closed depressions and have no surface outlet.

3.2 REGIONAL GEOLOGY

Highlands County is completely covered by undifferentiated Pleistocene and Recent sediments. These sediments range in thickness from about a foot in the low areas west of the ridge to approximately 100 feet on the east side of the ridge. Sediments are described as gray-orange to white, predominantly medium-grained quartz sands with varying amounts of clay-sized material interspersed (Bishop, 1956).

The Miocene age Hawthorn Group lies unconformably beneath the Pleistocene sediments. The Hawthorn ranges in thickness from nearly 200 feet in northern Highlands County to greater than 600 feet in the southern portion of the county. It consists of interbedded siliclastic and carbonate sediments with varying percentages of phosphatic grains.

The Oligocene series Suwannee Limestone unconformably underlies the Hawthorn in western Highlands County. The thickness of this unit ranges from 0 to 80 feet. It consists predominantly of cream-colored, slightly porous, soft, chalky to slightly crystalline limestone.

The Ocala Group of the Eocene series underlies the Suwannee Limestone. In descending order, the Ocala Group is composed of the Crystal River, the Williston, and the Inglis Formations. The thickness of this group ranges from 200 to 400 feet in Highlands

County. This group is composed primarily of light gray, chalky, foraminiferal to slightly crystalline limestone.

The Eocene series Avon Park Limestone underlies the Ocala Group. Thickness ranges between 200 and 350 feet. This unit consists of light gray to light brown, chalky, highly fossiliferous limestone and crystalline dolomites.

The Lake City Limestone (Eocene) underlies the Avon Park Limestone and ranges from 200 to 250 feet thick. This unit is composed predominantly of brown, crystalline dolomites and tan to cream limestone and dolomitic limestone.

3.3 REGIONAL HYDROGEOLOGY

The Lake Wales Ridge of Highlands county is completely covered by nonindurated deposits of the Pleistocene series, the deposits range in thickness from 1 to 100 feet and are variously described as gray/orange to white, fine to coarse grained quartz sands with some clay and silt (**Appendix B Exhibit C Table 1**). These sands are locally overlain by up to 20 feet of recent dune sand, peat and alluvial deposits.

The Miocene series Hawthorn group lies unconformably beneath the Pleistocene sands. This group is composed mostly of beds of dark-green to white, phosphatic clay and

lenticular bodies of white to cream sandy phosphatic limestone, phosphorite pebbles and quartz sand. The Hawthorn ranges in thickness from about 300 feet in northern Highlands County to approximately 650 feet in the Lake Placid area.

Beneath the Hawthorn group is the Oligocene series, Suwannee limestone. This unit is a predominately creme-colored, chalky to slightly crystalline limestone. The thickness of the Suwannee limestone ranges from 0 to 80 feet.

Underlying the Suwannee is the Eocene series Ocala Group. This group is made up of the Crystal River, Williston and Inglis Formations. This limestone group is a light gray to cream colored, soft, chalky, coquina, almost entirely composed of tests (shells) of large Foraminifera. This group ranges in thickness from 200 to 400 feet.

Below the Ocala group is the Avon Park limestone, an interlayered light gray to light brown, soft to hard granular to chalky unit with a thickness that ranges from 200 to 500 feet.

The Lake City limestone underlies the Avon Park and consists of layers of hard, brown, porous, crystalline dolomite and hard, tan to cream, porous limestone and dolomitic limestone. This unit ranges in thickness from 200 to 250 feet. The regional relationships of

these stratigraphic units are illustrated on Exhibit C of Appendix B.

3.4 SITE HYDROGEOLOGY

The shallow unconfined surficial aquifer in the Sebring Landfill area is found at an elevation of about 102 feet NGVD in the Pleistocene sand deposits. This zone of saturation continues to the upper part of the Hawthorn Group. Clay strata in the upper Hawthorn Group provide the confining layer that impedes downward migration (recharge) of water from the surficial aquifer.

Drilling records and laboratory grain size analyses indicate the material in the surficial aquifer is composed almost entirely of fine and medium grained sand with scattered discontinuous clay layers. Hydraulic recovery tests were conducted at the site. The recovery test, or rising head permeability test is a procedure whereby the hydraulic conductivity of an aquifer is determined by rapidly reducing the water level in a well and observing the recovery of the water level as a function of time.

The average hydraulic conductivity value calculated is 3.0×10^{-4} ft/sec. The average velocity of groundwater movement is approximately 1.0 ft/day. This takes into consideration a water table gradient of 0.001 ft/ft and an estimated specific yield fraction of 0.25.

4.0 WASTE GENERATION AND ANTICIPATED SITE LIFE WITH EXPANSION

4.1 POPULATION GROWTH RATE

Currently, the City's Class III Yard Trash Landfill serves a population of approximately 9,842. According to the Florida Statistical Abstract, the population growth rate of Sebring between the 1990 and 2000 census was 0.90 percent annually. The waste generation growth rate will be based on the population growth rate of Sebring and is calculated as follows:

2000 Census Population: 9,667

1990 Census Population: 8,841

2000 Population = 1990 Population $\times (k)^{10 \text{ years}}$

where k is the population growth rate.

Since $k^{10 \text{ years}} = 9,667/8,841$

then $k = 1.0090$, which equates to an annual growth rate of 0.90 percent.

Similarly,

2000 waste quantity = 1990 waste quantity $\times (1.0090)^{10 \text{ years}}$

4.2 WASTE GENERATION PROJECTION

As a means of projecting the amount of yard trash that will be generated, on a weight basis as well as on a volumetric basis, it is necessary to have historical data on the weight of the waste collected and the field density achieved (inclusive of the fill). Weigh ticket data from 1997 to the present provides the former. The latter can be calculated, given the amount of waste deposited in the landfill and the volume it occupies, as derived from field survey data.

Based on McBean, Rovers and Farquhar's (1995) literature review, compaction densities for yard trash (inclusive of fill) are found to range from 432 to 1512 pounds per cubic yard. Densities for highly compacted yard waste, wherein the yard waste has undergone a mulching process, are found to be between 540 and 1890 pounds. The City has been mulching the yard waste. Using the topographic data from 1997 and 2002 and the AUTOCAD program, the density for the mulched waste was determined to be 1,012 lbs/yd³. Data from the Table 1 reports the amount of yard trash generated since 1997 in terms of both weight and volume, using a compacted density of 1,012 lbs/yd³.

As of 1997, the remaining volume for the landfill was 164,292 cubic yards. By differentiating between 1997 and 2002, the remaining volume is determined to be 126,000 cubic yards.

Table 1. Annual Rate of Yard Trash Generation

Annual Rate of Collection			
Year	Waste Generated		Waste Generated
	(tons)	(lbs)	(yd ³)
1997	3,611	7,222,000	7,136
1998	4,425	8,850,000	8,745
1999	2,833	5,666,000	5,599
2000	3,100	6,200,000	6,126
2001	2,768	5,536,000	5,470
2002	2,633	5,266,000	5,204

4.3 PROJECTED LIFE OF FACILITY

Based on the waste generated in 2000 of 6,200,000 pounds and the annual growth rate of 0.90 percent, the anticipated site life of the Sebring Class III Yard Trash Landfill can be estimated with the use of Table 2. Table 2 shows the estimated annual waste generated and the cumulative volume (density of 1000 lbs/yd³) utilized.

Table 2. Projected Yard Trash Generation

Projected Yard Trash Generation			
	Projected Waste	Projected Volume	Cumulative Volume
Year	Generation (lbs)	Utilized (yd ³)	Utilized (yd ³)
2000	6,200,000	6,200	6,200
2002	6,312,102	6,312	18,768
2004	6,426,231	6,426	31,564
2006	6,542,424	6,542	44,590
2008	6,660,718	6,661	57,853
2010	6,781,150	6,781	71,355
2012	6,903,760	6,904	85,101
2014	7,028,587	7,029	99,096
2016	7,155,671	7,156	113,343
2018	7,285,052	7,285	127,849

According to the waste generation projection in Table 2 and the presumed density of 1,000 lbs/yd³, the estimated life of the facility is 15 years.

5.0 ADDITIONAL INFORMATION IN SUPPORT OF THE RENEWAL APPLICATION, FORM NO. 62-701.900(1)

The purpose of this portion of the Engineering Report is to expound upon (if needed) the application codes provided on application form No. 62-701.900(1) and to provide information not given in the previous sections. In cases where information has been supplied in the past or is found elsewhere in this report, reference will be made here regarding the location and/or approximate submittal date of the information. Information which is not applicable to this facility will be noted as such. Where the N/A and N/C or "not applicable" and "no substantial change", designations are indicated on the application, reference under "location" is given to provide more information regarding why the designation was chosen.

Parts A through C

The information found in these parts is "self-supporting" and does not need to be expounded upon.

Part D

1. The City will continue to abide by the rules specified in 62-701.300.
2. The facility does not qualify for any exemptions contained in Rules 62-701.300(12) through (16), F.A.C
3. The facility is a Class III Yard Trash Landfill only, no burning is allowed.
4. The facility is a Class III Yard Trash Landfill only, no hazardous waste is allowed.

5. The facility is a Class III Yard Trash Landfill only. There is no PCB disposal.
6. The facility is a Class III Yard Trash Landfill only. There are no biomedical wastes.
7. There are no Class I Surface waters in the vicinity of the Landfill.
8. The facility is a Class III Yard Trash Landfill only. There are no special wastes.
9. The facility is a Class III Yard Trash Landfill only. There are no considerations for special waste for waste-to-energy facilities.
10. There are no liquid restrictions associated with this Class III Yard Trash Landfill Facility.
11. The facility is a Class III Yard Trash Landfill only. There are no considerations for used oil.

Part E

1. Four (4) copies of the application form and supporting documents are submitted along with this engineering report.
2. All copies of the application and engineering report have been signed and sealed by a professional engineer registered in Florida.
3. A letter of transmittal is provided at the front of this submittal package.
4. A permit application form, completed and signed by the applicant, is included.

5. Sebring's ad valorem taxes are higher than the state-wide average. Therefore, in accordance with F.S. 218.075, the City of Sebring has submitted \$100.00 to cover the permit processing fee. A letter from the City requesting the Department waive the requirement from the usual permit fee is attached behind the transmittal letter at the beginning of this report.
6. This engineering report including a cover sheet, table of contents, body, and appendices, is submitted on 8-1/2" X 11" format.
7. An operating plan appropriate for this facility is submitted as part of the application for the renewal permit. No substantial changes in operating practices have occurred since the last renewal.
8. In case of an emergency which would prohibit the City from using the City of Sebring Class III Yard Trash Landfill, the City's contingency plan is to transport wastes to the Highlands County Solid Waste Management Center. The fire contingency is enclosed as **Appendix E**.
9. The following plans and drawings are included:
 - a. A regional map depicting the project Location is attached in **Appendix B** as **Exhibit A and A1**.
 - b. An aerial photograph, taken in March 2002,

is attached as drawing no. 2666.14-1 in the back of **Appendix B**. The photograph is signed, dated and sealed by a Professional Engineer, and the date of the photogrammetry is also included on the drawing.

- c. No substantial change. A description sketch site plan is included as **Appendix B Exhibit J** of this renewal application.
 - d. Details supporting the Engineering Report which are referenced herein are included in this application package.
10. There has been no change in the ownership of the land. The subject property is owned by the City of Sebring. The property ownership map and County tax appraiser records (**Exhibit G of Appendix B**), shows that the property belongs to the City of Sebring. No further proof of ownership is provided, as the property has not changed ownership since the last application submittal.
11. Not applicable.
12. Not applicable. According to Ernest Johnson, the solid waste superintendent, no enforcement actions have been taken against the City by the Department since the approval of the last operating permit.
13. The City of Sebring provided proof of publication to your office on October 20, 1997.

14. There have been no airports constructed within a 5-mile radius of the site since the renewal of the last operating permit. The Sebring Airport, which existed at the time the last operating permit application was submitted, is approximately five miles from the site. The landfill, being a Class III landfill with only yard trash disposal, does not pose a bird hazard to aircraft. See **Exhibit A of Appendix B** which provides a map of the landfill location with reference to the location of stated airport.
15. The Operator Training Plan is enclosed as **Appendix D**.

Part F

1. A vicinity map depicting current zoning around the landfill is attached as **Exhibit G of Appendix B**.
2. **Appendix B contains Exhibit A** which illustrates that no airports exist within a 5-mile radius of the landfill.
3.
 - a. It is difficult to provide dimensions for the landfill's amorphous shape; however, drawing no. 2666.14-2 (**Appendix B**) shows the plot plan at a scale of 1" = 50' along with 1 foot contours which can be used to obtain the landfill's size.

- b. & c The locations of previous soil borings have been provided to your office as part of the Landfill Closure Report submitted in May of 1987. The Groundwater Monitoring has been discontinued per permit modification dated July 11, 2002. No additional wells or soil borings are proposed at this time.
- d. There is no plan for trenching for purposes of waste disposal; however, the storm water management system entails trenching for the swale and retention facility. See drawing no. 2666.14-4 for the location of the storm water management system and waste disposal area.
- e. Cross sections of the existing and proposed elevations are shown on drawing no. 2666.14-4. The natural ground elevation of 115 feet is shown. Cross sections of the existing ground elevation prior to the 1987 operating permit renewal are shown in the 1987 Landfill Closure Plan.
- f. The swale and storm water retention/detention area, shown on drawing no. 2666.14-4, surrounds the previously filled disposal area.
- g. As stated in the July 1992 operating permit application, the site contains a six-foot chain link fence on the northwestern and western sides. The remaining sides are

inaccessible due to thick vegetation. Access is restricted from the southern side of the landfill as homes border the landfill's property. See drawing no. 2666.14-2 (**Appendix B**) for illustration of stated.

4.

- a. Drawing no. 2666.14-3, containing topographic data, shows the proposed areas of fill as indicated by the proposed contours.
- b.& c. There are no areas of the landfill set aside specifically for the use as a borrow area. The access roads are the same now as they were during the last operating permit renewal. Drawing no. 2666.14-2 illustrates the location of Cemetery Road and School Street which are used as access roads to the landfill.
- d. Drawing no. 2666.14-3 (**Appendix B**) illustrates the slopes of the landfill. Where the slopes are not shown, the landfill can be scaled to determine the grade. A grade of 2 percent or steeper is proposed for the final surface of the landfill to allow for proper drainage.
- e. Typical cross sections of lifts are shown on drawing no. 2666.14-4 and **Exhibit H of Appendix B**
- f. All drainage structures are shown on

drawing no. 2666.14-3 (**Appendix B**).

- g. See drawing no. 2666.14-2 (**Appendix B**) for illustration of the fencing.
- h. See drawing no. 2666.14-2 (**Appendix B**) which illustrates the location of the equipment facilities.

5.

- a. Based on the growth rate which has occurred from 1990 to 2000 the estimated current population is 9842. Similarly, the projected population (computed by the same method for estimating the current population) is estimated to be 11,257 for the year 2017. See Section 4 of this report for more information. Sebring comprises an area of approximately 9 square miles.
- b. The type of waste to be received at the landfill will be yard trash only. The annual average quantity of waste anticipated at the landfill is estimated to be approximately 2,800 tons (average of 2000 to 2020 estimates). The source of solid waste will be from the citizenry of Sebring. See Section 4 of this report for more information.
- c. The anticipated facility life is estimated to be the year 2017. See Section 4 of this report for more information.

- d. In accordance with the current permit, the material is mulched and no cover is applied over the working face.
6. Ground water monitoring has been discontinued in accordance with permit modification dated July 11, 2002.
7. There is no proposed change in the method to be used to demonstrate financial responsibility. The City will continue to deposit funds on a monthly basis into its escrow account. The amount of the deposit will be determined by the amount of the closure cost estimate, which will be adjusted annually. The Financial Responsibility Annual Update for 2002 is included in this report (see **Appendix A**).

Part G

1. No substantial change. The proposed area of fill for this facility will not increase beyond its current limits. There will be no aerial expansion into the existing 100-year floodplain.
2. No substantial change. Sheet 2666.14-3 (in the back of **Appendix B**) depicts the proposed final cover slope contours of the facility. This facility was in existence many years before promulgation of current rules; the waste which has already been deposited appears to be less than one hundred feet

from the property boundary along the south side of the landfill. This fact remains unchanged from the last application submittal.

3. Not applicable.

Parts H, I and J

Chapter 62-701 .330(1)(c) states that "... rules 62-701.400 through 62-701.420, F.A.C. shall not apply to any solid waste disposal unit for which construction is completed prior to the later of the dates specified in Paragraph (b) of this subsection. Such a solid waste disposal unit may be operated until filled to its permitted or modified design dimensions which, if such unit is lined, may include any future vertical expansion over the liner in accordance with Rule 62-701.430, F.A.C." This facility was constructed before the referenced date of January 6, 1993. As such, the provisions of Chapter 62-701.400 through 62-701.420, and therefore, parts H, I and J of the permit application do not apply to this facility.

Part K

No vertical expansion is proposed as part of this application. Therefore this section is not applicable.

Part L

1. The landfill is owned and operated by the City of Sebring. Ernest Johnson, the solid waste superintendent, is the acting trained operator of the

landfill. There is only one working face at this facility. No dedicated spotters are used as only City trucks transporting yard trash are allowed on this site. Mr. Johnson directs the application of wastes to the working face and observes the waste as it is being mulched, spread and compacted.

2.

- (a) No substantial change. The City of Sebring, as owner, with Mr. Johnson, as solid waste superintendent, is responsible for operation and maintenance of the facility. If Mr. Johnson leaves this position, the City will have a trained operator, as required by F.A.C. Rule 62-701.320(15) to oversee the landfill's activities.
- (b) No substantial change. In the case of emergency, wastes normally disposed of in the City of Sebring's Class III yard trash landfill would be transferred to the Highlands County Waste Management Center.
- (c) No substantial change. The City collects its own waste and only the City trucks deliver waste to this facility, no unauthorized wastes are delivered to this facility. Mr. Johnson directs the application of wastes to the working face and observes the waste as it is being mulched, spread and compacted. All other wastes are disposed of at the Highlands County facilities.

- (d) No substantial change. Each driver weighs his truck at the landfill scales before unloading the yard trash. A record is kept of the total weight of material delivered and disposal.

(e) and (f)

No substantial change. All trucks stop at the scales before proceeding to the working face. The operator then directs the incoming truck from the scale to the working face and indicates the area where the truck is to unload. The operator will check to ensure that the proposed grade will not be exceeded.

- (g) The yard debris is mulched approximately every quarter. It is then spread to desired grade and compacted using a bulldozer. No cover material is applied over the working face.

- (h) There are no gas or leachate facilities that require the operator's attention. The storm water management system consists of a perimeter swale which intercepts and conveys runoff to a dry detention pond. The dry detention facility has a discharge structure (i.e. concrete flume). All of the storm water facilities are maintained per the storm water management permit and construction plans to ensure they function properly.

- (i) Ground water monitoring has been discontinued in accordance with the permit modification issued 11 July, 2002.
 - (j) Not applicable.
- 3. The landfill operation records, i.e. Operating Permit, Engineering Drawings, Groundwater quality record, groundwater monitoring plan, etc. will be kept at the landfill's office at the wastewater treatment plant, near the entrance to the landfill.
- 4. This facility receives yard trash only. Vehicles are weighed onsite and the weight is recorded. The waste records will be compiled monthly and provided to the Department quarterly.
- 5. Access control is provided by a 6-foot high perimeter chain-link fence on the northwestern and western sides with locked gates at the intersection of Cemetery Road and School Street (entrance to wastewater treatment plant) and at the entrance to the landfill proper. Drawing 2666.14-2 shows the gate locations. The remaining sides are inaccessible due to thick natural vegetation. Only City of Sebring personnel are authorized to access the site. Public access is prohibited. Access is restricted by private properties (homes) on the south side of the landfill.

6. The City collects its own waste and only the City trucks deliver waste to this facility, no unauthorized wastes are delivered to this facility. Mr. Johnson directs the application of wastes to the working face and observes the waste as it is being spread and compacted. All other types of wastes are disposed of at the Highlands County Solid Waste Management Center.

7. Waste Handling Requirements.

- (a) The yard debris is stockpiled; it is then mulched, spread and compacted on a quarterly basis.
- (b) Not applicable.
- (c) Yard trash is formed into cells which form horizontal lifts. The working face and side grades above will not exceed 4 1/2 feet horizontal to 1 foot vertical rise. Depth of compaction lifts typically does not exceed four feet.
- (d) The width of the working face shall only be wide enough to accommodate vehicles discharging waste, and to minimize the exposed area and unnecessary use of cover material.
- (e) (1 through 4) The cover material, when used, is relatively sandy soil, hauled to the site from local sources. Part L.7 e (5) is not applicable.

- (f) The yard debris is stockpiled; it is then mulched, spread and compacted on a quarterly basis.

(g) and (h)

An intermediate cover will not be applied. A final cover will be placed within 180 days after the landfill has been filled to design dimensions. See the proposed final cover cross section view shown on drawing no. 2666.14-3 in **Appendix B**.

- (i) Only city employees use this facility. There is no access for the public to provide an opportunity for salvaging.

- (j) Litter is policed by landfill personnel.

- (k) Erosion problems have not been encountered. The existing and proposed slopes are sufficiently gradual minimizing the potential for erosion. The proposed cover and wastes to be disposed of will provide some infiltration, which will reduce the amount of runoff as compared to a landfill containing a liner. If erosion does occur the City will take measures to stabilize the soils, i.e. with the use of hay bails, vegetation and/or silt screens.

8. Not applicable

9. Not applicable.
10. Storm water is collected by perimeter swales and directed to an on-site dry detention pond designed to retain the first half inch of runoff and maintain the pre-development 25-year 24-hour storm event discharge rate. All of the storm water facilities are maintained per the procedures described in the storm water management permit and construction plans to ensure they function properly.
11. Equipment and Operation Features.
 - (a) The City owns and maintains sufficient equipment to ensure proper operation of the landfill and for excavating, spreading, compacting, and covering waste. A bulldozer is onsite and other equipment, including a backhoe, is available from the City. The City contracts out for quarterly mulching of the waste.
 - (b) Additional equipment may be leased as needed.
 - (c) There is a telephone at the wastewater treatment plant, near the entrance to the landfill. Collection vehicles are equipped with radios for communications and emergency situations.

- (d) Dust has not been a problem at the site as a good vegetative cover exists over the majority of the site.
 - (e) Telephones are available to allow for prompt notification of local fire protection agencies in case of fire or other emergency situations. Soil is stockpiled at the site for use in fire emergencies. In case of a fire, the operator is instructed to call the Sebring Fire Department.
 - (f) No dedicated litter control devices exist on site. The area designated for the landfill is sufficiently small (20 acres total area, approx. 13.5 acres used for waste disposal) allowing rapid retrieval and removal of any litter, thereby negating the need for portable fences or other devices. Additionally, the site only receives yard trash and does not generate litter such as paper and plastic.
 - (g) The site is not open to the public. Only City trucks are allowed to use the facility. The facility has all the appropriate signs.
12. The road to the wastewater treatment plant is paved. On-site roads are constructed with shell and maintained for accessibility during wet weather.
- 13.
- (a) through (d)

No written response required. The City will comply with the applicable requirements.

Part M

Ground water monitoring has been discontinued in accordance with a permit modification dated 11 July, 2002

Part N

Not applicable. This facility receives only yard trash. Only City trucks deliver waste to this facility, and no unauthorized wastes are delivered to this facility.

All other types of waste are disposed of at the Highlands County Solid Waste Management Center.

Part O

Not applicable. This facility receives only yard trash. Only City trucks deliver waste to this facility, and no unauthorized wastes are delivered to this facility.

Part P

1.

- (a) At least one year prior to the projected date when wastes will no longer be accepted or when all solid waste disposal units are expected to reach design dimensions, the City shall provide a written notice to the Department with a schedule for cessation of waste

acceptance and closure of the landfill. The closure schedule shall become an addendum to the landfill permit. If unforeseen circumstances do not allow the one-year notification, notice shall be provided as soon as the need to close the facility becomes apparent.

(b) At least 120 days prior to the date when wastes will no longer be accepted at the landfill, the City shall advise users of the intent to close the landfill by posting signs at the entrance of the landfill giving the date of closing, the location of alternative disposal facilities, and the name of the person responsible for closing the landfill. These signs shall be maintained throughout the closing period. If unforeseen circumstances do not allow the 120 day notice to users, notice shall be provided as soon as the need to close the facility becomes apparent.

(c) Within 10 days prior to the date when wastes will no longer be accepted at the landfill, the City shall publish a notice of the landfill closing in the legal advertising section of the newspaper of general circulation in the county where the activity is proposed, and shall provide proof of publication to the Department within seven days of publication.

2. (a) Not applicable. A closure permit application will be submitted to the Department at least 90 days prior to final receipt of wastes.

(b)(1) refer to Part P-3 of the Engineering Report

(b)(2) refer to Part P-4 of the Engineering Report

(b)(3) refer to Part P-5 of the Engineering Report

(b)(4) refer to Part Q of the Engineering Report

(b)(5) refer to Part R of the Engineering Report

(b)(6) refer to Part S of the Engineering Report

3.

- (a) No substantial change has occurred since the last permit renewal.

Consultant preparing this report:

Chastain-Skillman, Inc.
363 US 27 South
Sebring, Florida 33870

- (b) No substantial change.

- (c) See **Appendix B**, wherein **Exhibit G** provides the zoning of the adjacent lands and the City's property limits.

- (d) This issue was addressed in Part 4 (e) (3) of the March 1993 submittal of the Closure Plan Update by Briley, Wild and Associates, Inc. No substantial change has occurred since 1993.

- (e) No substantial change has occurred since the March 1993 submittal by Briley, Wild and Associates, Inc. submittal.
Surface water runoff does not appear to be a

problem. Sheet 2666.14-4 shows a swale surrounding the fill area and a dry retention/detention pond on the east side of the landfill for the purpose of treating the first half inch of runoff and attenuating the discharge of runoff.

4. The following closure design requirements are hereby incorporated into the closure design plan in accordance with Chapter 62-701.600(5), F.A.C.:
 - a. No substantial change. Because the entire site is relatively small the City does not propose to close the landfill in phases. Closure contours are depicted on sheet 2666.14-4 in the back of **Appendix B**.
 - b. The existing topography and proposed final grades are depicted on drawing 2666.14-4.
 - c. Because the site is small, phasing the closing is not proposed.
 - d. The proposed final elevations are depicted on drawing 2666.14-4 in the back of **Appendix B**.
 - e. The side slope design and drainage ways are depicted on drawing 2666.14-4 in the back of **Appendix B**. A swale surrounds the entire area of fill which conveys water to the dry retention/detention pond on the east side of the disposal area. The retention\detention

facility treats the first half inch of runoff and attenuates the discharge of runoff.

f. Illustration of the final cover installation is provided as **Exhibit H in Appendix B.**

1. The final cover will be 24 inches of soil.

2. and 3.

The final cover will be placed over the entire surface of the landfill within 180 days after the final waste deposit. The cover will be vegetated with drought-resistant species to control erosion. Argentina Bahia grass meeting FDOT 981-1.2 specifications or other drought resistant grass desired by the City and approved by the Department shall be used.

4. The top gradient of the landfill will be graded with a slope equal to or steeper than 2 percent over the entire surface of the landfill to maximize runoff while minimizing erosion. See the Landfill Proposed Contours Plan on drawing no. 2666.14-4 in **Appendix B.** The final cover will be placed over the entire surface of the landfill.

5. The vegetated cover will be maintained for the required long-term care period. Such maintenance shall include mowing and fertilization as needed to ensure the viability of the vegetation as a means of erosion control. Areas of subsidence or other depressions will be filled.

g.

1. and 2.

A barrier soil layer of low hydraulic conductivity will not be used. A 24-inch soil cover will be constructed over the areas of the landfill containing waste. The top 12 inches of this cover will be mixed with 50 percent mulched yard waste to sustain vegetative growth.

3. Mulched yard waste is rich in topsoil, roots, leaves and other organic material that provides nutrients to promote plant growth. It will also provide soil conditioning and erosion control to protect the slopes until a mature vegetative cover is established.
4. Not Applicable.
5. Not Applicable.

6. SWVA 97-2 is the variance which allows a final cover of two feet of soil without a barrier layer. The Notice of Intent to grant the variance was signed by the Department on May 12, 1997.
- h. Storm water is collected by perimeter swales and conveyed to an on-site dry detention pond designed to retain the first half inch of runoff and attenuate the rate of discharge. There is no off-site runoff which enters the site. Storm water runoff from the land will drain to the shallow swale which surrounds the perimeter of the site and flow to the retention/detention area on the east side of the property.
- i. No substantial change. Access control will be restricted by a 6-foot high perimeter chain-link fence with locked gates on the northwestern and western sides. The remaining sides are inaccessible due to the thick natural vegetation. Only City of Sebring personnel are authorized to access the site. Public access is prohibited. Access is restricted by private properties (homes) along the south side of the landfill's property boundary.
- j. No plans exist for final use of the landfill property.
- k. Not Applicable.

5.

- a. When the landfill reaches its design dimensions, the filled area will be graded in preparation of the final cover and vegetated cover. No additional berms, ditches, roads, or retention ponds should be needed. After the addition of the final soil cover, the entire filled area will be seeded with a drought-resistant species of grass.
- b. No substantial change. Final cover will be completed no later than 180 days after cessation of waste acceptance, as mandated by chapter 62-701, F.A.C. Long-term care will be provided for a period of 30 years, although provisions exist to extend the period, or to shorten it, with FDEP approval.
- c. An escrow account has been established. The Financial Responsibility Annual Update for 2002 is included in this report in **Appendix A**.
- d. No substantial change. The City should be able to complete the closure activities with their existing personnel and equipment. Final grading and seeding may be performed by an outside contractor.
- e. In accordance with permit modification dated July 2002; all monitoring wells have

been plugged.

f. Not applicable

6. Not applicable.

Part Q

No substantial change since the March 1993 Closure Update report submitted to your office by Briley, Wild and Associates, Inc.

1. Not applicable. The permitted final elevation of the landfill is more than 20 feet above the natural ground elevation. F.A.C. Rule 62-701.610(2)
2. A final survey report verifying that final contours and elevations of the facility are in accordance with the plans as approved in the permit will be prepared by an engineer or registered land surveyor at the time of closure. Aerial mapping may be used as a substitute for the survey.
3. A signed and sealed certification of closure construction completion will be prepared and submitted to the Department after construction of the final cover.
4. After inspection of final closure operations, the City will file a declaration to the public in the deed records in the office of the county clerk of Highlands County. This declaration will include a legal description of the property and a site plan

specifying the area filled with waste. The declaration will 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 disturbance of the landfill.

5. The date of the Department's letter accepting the above referenced documents will be the official date of landfill closing for the purpose of determining the long-term care period.
6. There is no projected use for the landfill area after it is closed.
7. The City will consult with the Department prior to planning or initiating any activity involving the disturbance of the closed landfill area.

Part R

1. Not applicable, there are no gas management systems.
2. No substantial change since the March 1993 Closure Update report submitted to your office by Briley, Wild and Associates, Inc. The City will retain its right of entry to the landfill property for the long-term care period.
3. If the City wishes to sell or transfer ownership of the landfill property to another party, that party shall be subject to all requirements of the permit and shall provide proof of financial responsibility to the Department. Any lease or transfer of property shall include specific conditions to delineate:

- a. The City is responsible for closure and shall maintain any required proof of financial responsibility until the person acquiring ownership, possession or operation of the landfill establishes the required proof of financial responsibility with the Department;
 - b. Responsibility for the continuance of monitoring, maintenance, and correction of deficiencies or problems.
 - c. Mineral rights attached to the property and the rights to any recoverable materials that may be buried on the property of landfill gases that may be produced. A Department permit shall be required if any on-site operations subsequent to closing of a landfill involve disturbing the landfill.
4. Permit modification issued 11 July, 2002 discontinued ground water monitoring. Since there is no longer ground water monitoring there is no ground water monitoring plan thus there is no longer a requirement for replacements.
 5. A signed and sealed certification of completion of Long-term care will be prepared by a professional engineer and submitted to the Department.

Part S

1. Updated cost estimates for closing, long-term care, and corrective actions are provided in **Appendix A** in accordance with Chapter 62-701 .630(3)&(7),

F.A.C.

2. Annual cost adjustments will be made annually by an engineer registered in the State of Florida in accordance with Chapter 62-701.630(4)&(8), F.A.C. Cost estimates will be based upon current construction industry rates as obtained by the engineer from local contractors.
3. There is no change in the City's funding mechanism. The City has an active escrow account into which it makes monthly payments based on current cost estimates.

6.0 CONCLUSION

The City of Sebring Class III Yard Trash Landfill is currently being operated in accordance with the provisions of its existing permit. Available data indicate that impacts to neighboring property owners and ground water quality are minimal. The City has an escrow account in place to assure that sufficient funds will be available for closure activities when the facility reaches its design dimensions. The City proposes to operate the landfill by mulching the yard trash on a quarterly basis and placing an initial cover within a week of disposing the material. All other aspects of the operation will continue in the current manner until the proposed design dimensions are reached. As part of operation, the City will continue to update closure cost estimates on an annual basis and forward it to the Department as required. CSI recommends that the City be issued a permit to operate for the next five-year permit period.

Appendix A

Financial Responsibility

Annual Update Report

**CITY OF SEBRING CLASS III YARD TRASH LANDFILL
FINANCIAL RESPONSIBILITY ANNUAL UPDATE
(April 30, 2003)**

This financial responsibility annual update report is submitted in accordance with Chapter 62-701.630, F.A.C., to provide an Opinion of Probable Cost for the landfill's closure and annual long-term care. By establishing a probable cost for closure and based on the estimated landfill's disposal life, a current monthly escrow account payment value can be computed. By depositing the monthly escrow account payment value, the City of Sebring should have sufficient funds to cover the closure costs upon time of closure.

It should be noted, that the remaining active life is an estimate and should be reevaluated at least once every five years. Of all the variables utilized to estimate the remaining active life, it is believed that the yard trash density contains the most uncertainty. The yard trash density can be estimated by totaling the weight of the yard trash applied to the landfill within a period of time and dividing the weight by the volume of the landfill filled during same. Topographic data of the disposal area at the beginning and end of said period will provide an estimate of the volume used.

As of September 30, 2002, the City of Sebring's ending balance in the escrow account was \$342,684. The total closure cost is projected to be \$581,956. Subtracting the City's current escrow account value of \$342,684 from the projected closure cost, a deficit of \$239,272 is computed. Therefore, the monthly escrow payment needed to close the landfill over the next 15 years (or 180 months), is $\$239,272/180$ or \$1,330. Until the revised costs are computed next year, it is recommended that the City of Sebring deposit at least \$1,330 per month into the landfill management escrow account.

In addition to re-evaluating the cost for closure, we have researched the long-term care costs associated with maintaining the landfill in perpetuity for 30 years beyond closure. The opinion of probable cost for long-term care is \$20,532 annually.

It is CSI's opinion that by depositing monies into a landfill management escrow account according to the recommended schedule, the City of Sebring will have sufficient funds available at the time of closure to close the landfill in accordance with Chapter 62-701, F.A.C.

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REVISED May 1, 2003

RECEIVED

MAY 15 2003

D.E.P. - Sebring District



Florida Department of Environmental Protection
Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, FL 32399-2400

DEP Form # 62-701.900(28)
Form Title Financial Assurance Cost Estimate Form
Effective Date 05-27-01
DEP Application No. _____
(Filled by DEP)

FINANCIAL ASSURANCE COST ESTIMATE FORM

Date: 2/24/2003

Date of DEP Approval: _____

I. GENERAL INFORMATION:

Facility Name: Sebring Class III Yard Trash Landfill WACS or GMSID #: 5228M02037

Permit / Application No.: 0038558- 002-SO/T3 Expiration Date: July 7, 2003

Facility Address: Intersection School Street and Cemetery Road

Permittee: City of Sebring

Mailing Address: 368 South Commerce Ave., Sebring, FL 33870

Latitude: 27-30'50" Longitude: 81-25'00" or UTM: _____

Solid Waste Disposal Units Included in Estimate:

Phase / Cell	Acres	Date Unit Began Accepting Waste	Design Life of Unit From Date of Initial Receipt of Waste
1	13.5	1926	2017

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Total Landfill Acreage included in this estimate. 13.5 Closure 13.5 Long-Term Care 13.5

Type of landfill: _____ Class I ☒ Class III _____ C&D Debris

II. TYPE OF FINANCIAL ASSURANCE DOCUMENT (Check Type)

____ Letter of Credit* _____ Insurance Certificate
____ Performance Bond* ☒ Escrow Account
____ Guaranty Bond* _____ Trust Fund Agreement

*Indicates
mechanisms that
require use of a
Standby Trust Fund
Agreement

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

Northeast District
7825 Baymeadows Way, Ste. B200
Jacksonville, FL 32256-7590
904-448-4300

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

Southwest District
3804 Coconut Palm Dr.
Tampa, FL 33619
813-744-6100

South District
2295 Victoria Ave., Ste. 364
Fort Myers, FL 33901-3881
941-332-6975

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

III. ESTIMATE ADJUSTMENT

40 CFR Part 264 Subpart H as adopted by reference in Rule 62-701.630, Florida Administrative Code sets forth the method of annual cost estimate adjustment. Cost estimates may be adjusted by using an inflation factor or by recalculating the maximum costs of closure in current dollars. Select one of the methods of cost estimate adjustment below.

☐ (a) Inflation Factor Adjustment

Inflation adjustment using an inflation factor may only be made when a Department approved closure cost estimate exists and no changes have occurred in the facility operation which would necessitate modification to the closure plan. The inflation factor is derived from the most recent Implicit Price Deflator for Gross National Product published by the U.S. Department of Commerce in its survey of Current Business. The inflation factor is the result of dividing the latest published annual Deflator by the Deflator for the previous year. The inflation factor may also be obtained from the Solid Waste Financial Coordinator at (850)-488-0300.

This adjustment is based on the Department approved closure cost estimate dated: _____

Latest Department Approved Closure Cost Estimate:		Current Year Inflation Factor		Inflation Adjusted Closure Cost Estimate:
_____	X	_____	=	\$0.00

This adjustment is based on the Department approved long-term care cost estimate dated: _____

Latest Department Approved Annual Long-Term Care Cost Estimate:		Current Year Inflation Factor		Inflation Adjusted Annual Long-Term Care Cost Estimate:
_____	X	_____	=	\$0.00

Number of Years of Long Term Care Remaining:	X	_____
Inflation Adjusted Long-Term Care Cost Estimate:	=	0.00

☒ (b) Recalculate Estimates (see section V)

IV. CERTIFICATION BY ENGINEER

This is to certify that the Financial Assurance Cost Estimates pertaining to the engineering features of the this solid waste management facility have been examined by me and found to conform to engineering principals applicable to such facilities. In my professional judgement, the Cost Estimates are a true, correct and complete representation of the financial liabilities for closing and long-term care of the facility and comply with the requirements of Florida Administrative Code (F.A.C.), Rule 62-701.630 and all other Department of Environmental Protection rules, and statutes of the State of Florida. It is understood that the Financial Assurance Cost Estimates shall be submitted to the Department annually, revised or adjusted as required by Rule 62-701.630(4), F.A.C.

Signature of Engineer

W. R. Cauthan, P.E. Project Engineer

Name & Title (please type)

Florida Registration Number (affix seal)

363 US 27 South, Sebring, FL 33870

Mailing Address

863-382-4160

Telephone Number

Signature of Owner/Operator

Robert Hoffman, City Administrator

Name & Title (please type)

(863) 471-5100

Telephone Number

V. RECALCULATE ESTIMATED CLOSING COST

For the time period in the landfill operation when the extent and manner of its operation makes closing **most expensive**.

**** Third Party Estimate / Quote must be provided for each item**

**** Costs must be for a third party providing all material and labor**

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
1. Proposed Monitoring Wells	(Do not include wells already in existence.)			
	EA	0	\$0.00	\$0.00
2. Slope and Fill (bedding layer between waste and barrier layer):				
Excavation	CY	32,670	\$1.00	\$32,670.00
Placement and Spreading	CY	32,670	\$1.00	\$32,670.00
Compaction	CY	32,670	\$0.50	\$16,335.00
Off-Site Material	CY	32,670	\$1.00	\$32,670.00
Delivery	CY	32,670	\$3.00	\$98,010.00
Subtotal Slope and Fill:				\$212,355.00
3. Cover Material (Barrier Layer):				
Off-Site Clay	CY	0	\$0.00	\$0.00
Synthetics - 40 mil	SY	0	\$0.00	\$0.00
Synthetics - GCL	SY	0	\$0.00	\$0.00
Synthetics - Geonet	SY	0	\$0.00	\$0.00
Synthetics - Other	SY	0	\$0.00	\$0.00
Subtotal Barrier Layer Cover:				\$0.00
4. Top Soil Cover:				
Off-Site Material	CY	10,890	\$6.00	\$65,340.00
Delivery	CY	10,890	\$5.00	\$54,450.00
Spread	CY	10,890	\$3.00	\$32,670.00
Subtotal Top Soil Cover:				\$152,460.00

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
5. Vegetative Layer				
Sodding	SY	65,340	\$1.50	\$98,010.00
Hydroseeding	AC	0	\$0.00	\$0.00
Fertilizer	AC	13.5	\$50.00	\$675.00
Mulch	AC	0	\$0.00	\$0.00
Other	SY	0	\$0.00	\$0.00
Subtotal Vegetative Layer:				\$98,685.00

6. Stormwater Control System:

Earthwork	CY	0	\$0.00	\$0.00
Grading	SY	0	\$0.00	\$0.00
Piping	LF	0	\$0.00	\$0.00
Ditches	LF	0	\$0.00	\$0.00
Berms	LF	0	\$0.00	\$0.00
Control Structures	EA	0	\$0.00	\$0.00
Other	LS	0	\$0.00	\$0.00
Subtotal Stormwater Controls:				\$0.00

7. Gas Controls: Passive

Wells	EA	0	\$0.00	\$0.00
Pipe and Fittings	LF	0	\$0.00	\$0.00
Monitoring Probes	EA	0	\$0.00	\$0.00
NSPS/Title V requirements	LS	0	\$0.00	\$0.00
Subtotal Passive Gas Control:				\$0.00

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
8. Gas Control: Active Extraction				
Traps	EA	0	\$0.00	\$0.00
Sump	EA	0	\$0.00	\$0.00
Flare Assembly	EA	0	\$0.00	\$0.00
Flame Arrestor	EA	0	\$0.00	\$0.00
Mist Eliminator	EA	0	\$0.00	\$0.00
Flow Meter	EA	0	\$0.00	\$0.00
Blowers	EA	0	\$0.00	\$0.00
Collection System	LF	0	\$0.00	\$0.00
Other (describe)		0	\$0.00	\$0.00
Subtotal Active Gas Extraction:				\$0.00

9. Security System:

Fencing *	LF	2,180	\$10.00	\$21,800.00
Gate(s)	EA	0	\$0.00	\$0.00
Sign(s)	EA	0	\$0.00	\$0.00
Subtotal Security System:				\$21,800.00

* Fencing is for the remaining

10. Engineering: Property Line.

Closure Plan report	LS			\$7,500.00
Certified Engineer	LS			\$5,500.00
NSPS/Title V Air Permit	LS			\$0.00
Final Survey	LS			\$2,500.00
Certification of Closure	LS			\$3,000.00
Other (detail)				\$0.00
Subtotal Engineering:				\$18,500.00

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DEP FORM 62-701.900(28)

11. Professional Services

	Contract Management		Quality Assurance		Total
	Hours	LS	Hours	LS	
P.E. Supervisor	16	\$2,000.00	16	\$2,000.00	\$4,000.00
On-Site Engineer	16	\$1,280.00	16	\$1,280.00	\$2,560.00
Office Engineer	8	\$800.00	8	\$800.00	\$1,600.00
On-Site Technician	80	\$4,000.00	80	\$4,000.00	\$8,000.00
Other (explain)	0	\$0.00	0	\$0.00	\$0.00
DESCRIPTION	UNIT		QUANTITY	UNIT COST	TOTAL
Quality Assurance Testing	LS				\$0.00
Subtotal Professional Services:					\$16,160.00

Subtotal of 1-11 Above: \$519,960.00

12. Contingency % of Total (example. enter .1 for 10%) 10%

Closing Cost Subtotal: 571,956.00

13. Site Specific Costs (explain)

Mobilization	\$10,000.00
Waste Tire Facility	\$0.00
Materials Recovery Facility	\$0.00
Special Wastes	\$0.00
Leachate Management System Modification	\$0.00
Other	\$0.00
<hr/>	
Subtotal Site Specific Costs:	\$10,000.00
<hr/>	
TOTAL CLOSING COSTS	\$581,956.00

VI. ANNUAL COST FOR LONG-TERM CARE

(Check Term Length)

_____ 5 Years _____ 20 Years ☒ 30 Years _____ Other

See 62-701.600(1)a.1., 62-701.620(1), 62-701.630(3)a. and 62-701.730(11)b. F.A.C. for required term length. For landfills certified closed and Department accepted, enter the remaining long-term care length as "Other" and provide years remaining.

**** Third Party Estimate / Quote must be provided for each item**

**** Costs must be for a third party providing all material and labor**

All items must be addressed. Attach a detailed explanation for all items marked not applicable (N/A)

Description	Sampling Frequency (events/yr.)	Number of Wells	\$ / Well / Event	\$ / Year
1. Groundwater Monitoring (62-701.510(6), and (8)(a))				
Monthly	12	0	\$0.00	\$0.00
Quarterly	4	0	\$0.00	\$0.00
Semi-Annual	2	0.0	\$0.00	\$0.00
Annual	1	0	\$0.00	\$0.00
Subtotal Groundwater Monitoring:				\$0.00
2. Surface Water Monitoring (62-701.510(4), and (8)(b))				
Monthly	12	0	\$0.00	\$0.00
Quarterly	4	0	\$0.00	\$0.00
Semi-Annual	2	0	\$0.00	\$0.00
Annual	1	0	\$0.00	\$0.00
Subtotal Surface Water Monitoring:				\$0.00
3. Gas Monitoring				
Monthly	12	0	\$0.00	\$0.00
Quarterly	4	0	\$0.00	\$0.00
Semi-Annual	2	0	\$0.00	\$0.00
Annual	1	0	\$0.00	\$0.00
Subtotal Gas Monitoring:				\$0.00

Description	Sampling Frequency (events/yr.)	Number of Locations	\$/Location/Event	\$ / Year
4. Leachate Monitoring (62-701.510(5), (6)(b) and 62-701.510(8)(c))				
Monthly	12	0	\$0.00	\$0.00
Quarterly	4	0	\$0.00	\$0.00
Semi-Annual	2	0	\$0.00	\$0.00
Annual	1	0	\$0.00	\$0.00
Other	0	0	\$0.00	\$0.00
Subtotal Leachate Monitoring:				\$0.00

DESCRIPTION	UNIT	QUANTITY	UNIT COST	ANNUAL COST
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5. Leachate Collection/Treatment Systems Maintenance

Maintenance

Collection Pipes	LF	0	\$0.00	\$0.00
Sumps, Traps	EA	0	\$0.00	\$0.00
Lift Stations	EA	0	\$0.00	\$0.00
Cleaning	LS	0	\$0.00	\$0.00
Tanks	EA	0	\$0.00	\$0.00

Impoundments

Liner Repair	SY	0	\$0.00	\$0.00
Sludge Removal	CY	0	\$0.00	\$0.00

Aeration Systems	CY	0	\$0.00	\$0.00
Floating Aerators	EA	0	\$0.00	\$0.00
Spray Aerators	EA	0	\$0.00	\$0.00

Disposal

Off-site (Include Transportation and Disposal)	1000 gallon	0	0	\$0.00
				\$0.00

6. Leachate Collection/Treatment Systems Operation

Operation		Hours	\$/Hour	Total
P.E. Supervisor	HR	0	\$0.00	\$0.00
On-Site Engineer	HR	0	\$0.00	\$0.00
Office Engineer	HR	0	\$0.00	\$0.00
OnSite Technician	HR	0	\$0.00	\$0.00
Materials	LS			\$0.00
Subtotal Leachate Collection/Treatment System Maintenance & Operation:				\$0.00

7. Maintenance of Groundwater Monitoring Wells

Monitoring Wells	LF	0	\$0.00	\$0.00
Replacement	EA	0	\$0.00	\$0.00
Abandonment	EA	0	\$0.00	\$0.00
Subtotal Groundwater Monitoring Well Maintenance:				\$0.00

DESCRIPTION	UNIT	QUANTITY	UNIT COST	ANNUAL COST
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8. Gas System Maintenance

Piping, Vents	LF	0	\$0.00	\$0.00
Blowers	EA	0	\$0.00	\$0.00
Flaring Units	EA	0	\$0.00	\$0.00
Meters, Valves	EA	0	\$0.00	\$0.00
Compressors	EA	0	\$0.00	\$0.00
Flame Arrestors	EA	0	\$0.00	\$0.00
Operation	LS			\$0.00
SubTotal Gas System:				\$0.00

9. Landscape

Mowing	AC	13.5	\$200.00	\$2,700.00
Fertilizer	AC	13.5	\$100.00	\$1,350.00
Subtotal Landscape Maintenance:				\$4,050.00

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SEP 14 2001

2001-09-14 10:00 AM

DESCRIPTION	UNIT	QUANTITY	UNIT COST	ANNUAL COST
10. Erosion Control & Cover Maintenance				
Sodding	SY	2,000	\$1.50	\$3,000.00
Regrading	AC	1	\$1,000.00	\$1,000.00
Liner Repair	SY	0	\$0.00	\$0.00
Clay	CY	0	\$0.00	\$0.00
Subtotal Erosion Control and Cover Maintenance:				\$4,000.00
11. Storm Water Management System Maintenance				
Conveyance Maintenance	LS			\$2,500.00
Subtotal Storm Water System Maintenance:				\$2,500.00
12. Security System Maintenance				
Fences	LF	3,470	\$0.50	\$1,735.00
Gate(s)	EA	1	\$50.00	\$50.00
Sign(s)	EA	1	\$50.00	\$50.00
Subtotal Security System:				\$1,835.00
13. Utilities				
	LS			\$0.00
14. Administrative				
		Hours	\$/Hour	Total
P.E. Supervisor	HR	8	\$125.00	\$1,000.00
On-Site Engineer	HR	16	\$80.00	\$1,280.00
Office Engineer	HR	0	\$0.00	\$0.00
OnSite Technician	HR	80	\$50.00	\$4,000.00
Other (explain)		0	\$0.00	\$0.00
Subtotal Administrative:				\$6,280.00
15. Contingency				
	% of Total			10%
	\$18,665.00	Subtotal Contingency:		\$1,866.50

16. Site Specific Costs (explain)

UNIT COST

	LS	<u>\$0.00</u>
	LS	<u>\$0.00</u>
	LS	<u>\$0.00</u>

ANNUAL LONG-TERM CARE COST (\$/Year):

\$20,531.50

NUMBER OF YEARS OF LONG-TERM CARE

30.00

TOTAL LONG-TERM CARE COST (\$)

\$615,945.00

**City of Sebring
Class III Yard Trash Landfill
Financial Assurance**

The Financial Assurance Cost Estimate is a combination of an estimate provided by Excavation Point Incorporated (Contractor) and Chastain-Skillman Incorporated (Engineers).

The contractor was provided with a copy of the DEP Financial Assurance Form to assist in his calculations. Enclosed is a copy of his estimate for closure and annual long-term care.

There are some differences between the subtotals provided by the Contractor and the Engineer. The Contractor cost for closure is \$475,743.00 and the Engineer cost for closure is \$575,966.50. This results in a difference of approximately \$100,000.00 with the Engineer estimate being higher (more conservative).

Likewise there are some differences in the annual long-term care cost estimates. The Contractor provides an estimate of \$17,965.00 while the Engineer estimate is \$20,531.00. This results in a difference of approximately \$2,500.00 with the Engineer estimate being more conservative.

Sebring Class III Yard Trash Landfill
Financial Assurance, Long-Term Care
Not Applicable Items

Page 7/11 Item 1 Ground Water Monitoring

Permit Number 0038558-001-SO/T3 modification dated July 11, 2002 approved the discontinuance of ground water monitoring. All ground water monitoring wells have been properly plugged and abandoned.

Page 7/11 Item 2 Surface Water Monitoring

It is not anticipated that any surface waters will be affected by contaminant release from the facility. Therefore there is no surface water monitoring, rule 62-701.510(4).

Page 7/11 Item 3 Gas Monitoring

This site does not anticipate to have any degradable wastes, hence there is no gas management system, rule 62-701.530(1) (a).
Since there is no gas management system there is no need for gas monitoring.

Page 8/11 Item 4 Leachate Monitoring

There is no leachate system associated with this facility, therefore there is no leachate monitoring system.

Page 8/11 Item 5 Leachate Collection/Treatment Systems Monitoring

There is no leachate system associated with this facility, therefore there is no leachate collection/treatment systems monitoring.

Page 9/11 Item 6 Leachate Collection/Transmission Systems Operation

There is no leachate system associated with this facility; therefore there is no leachate collection/treatment systems operation.

Page 9/11 Item 7 Maintenance of Ground Water Monitoring Wells

In accordance with permit modification dated July 11, 2002, all ground water monitoring wells have been plugged and abandoned.

Page 9/11 Item 8 Gas System Maintenance

There is no gas system associated with this facility; therefore there is no gas system maintenance.

(863) 465-1997 (863) 471-1997 FAX (863) 386-1997

**EXCAVATION
POINT
INC.**

7944 S. George Blvd. Sebring, Florida 33875

**SEBRING CLASS III YARD TRASH LANDFILL
LANDFILL CLOSURE
1-30-2003****IMPORT, PLACE AND COMPACT 18" THICK COVER
MATERIAL. 13.5 ACRES**

40,500 CY @ 6.25 CY \$253,125.00

**TOPSOIL MATERIAL, 6" MULCH GENERATED ON
SITE. MIX IN PLACE WITH COVER MATERIAL**

13,500 CY @ 3.90 CY \$52,695.00

SOD - WITH FERTILIZER - 13.5 ACRES

65,340 SY @ 1.60 SY \$104,544.00

FENCE - 2180 L.F. @ 9.50 FF

\$20,710.00

LONG TERM CARE - ANNUAL COSTS**MOWING - 14 ACRES**

\$ 1,750.00

FERTILIZER - 14 ACRES

\$ 1,400.00

EROSION CONTROL**SOD - 2000 S.Y.**

\$ 3,200.00

REGRADING

\$ 1,000.00

STORM DRAINAGE SYSTEM

\$ 2,500.00

SECURITY SYSTEM MAINTENANCE**FENCE**

\$ 1,735.00

GATES

\$ 50.00

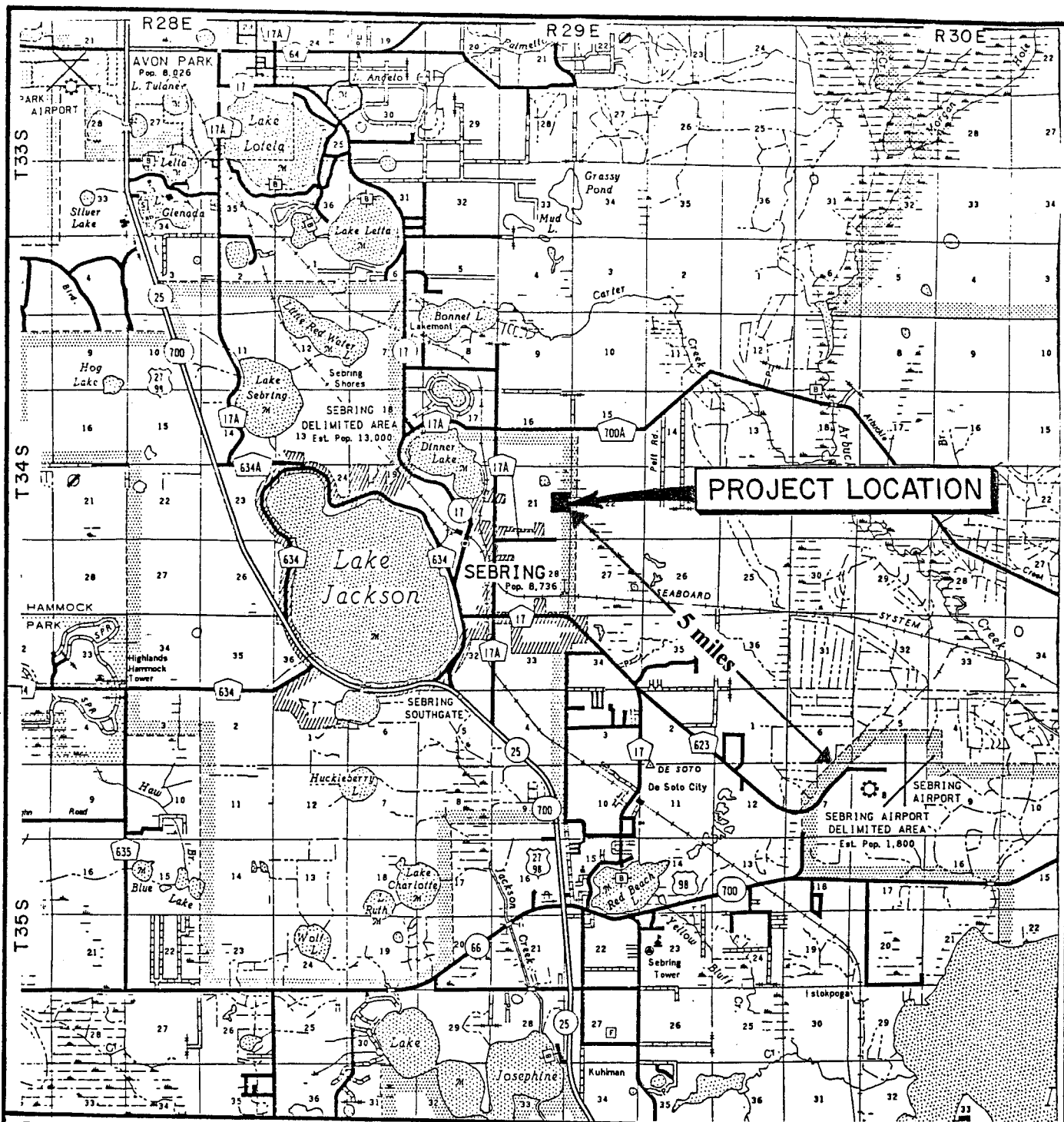
SIGNS

\$ 50.00

**For Superior Service & Quality Performance
Get To The Point!**

Appendix B

Exhibits / Drawings



Base map adapted from Florida D.O.T. Highway map.

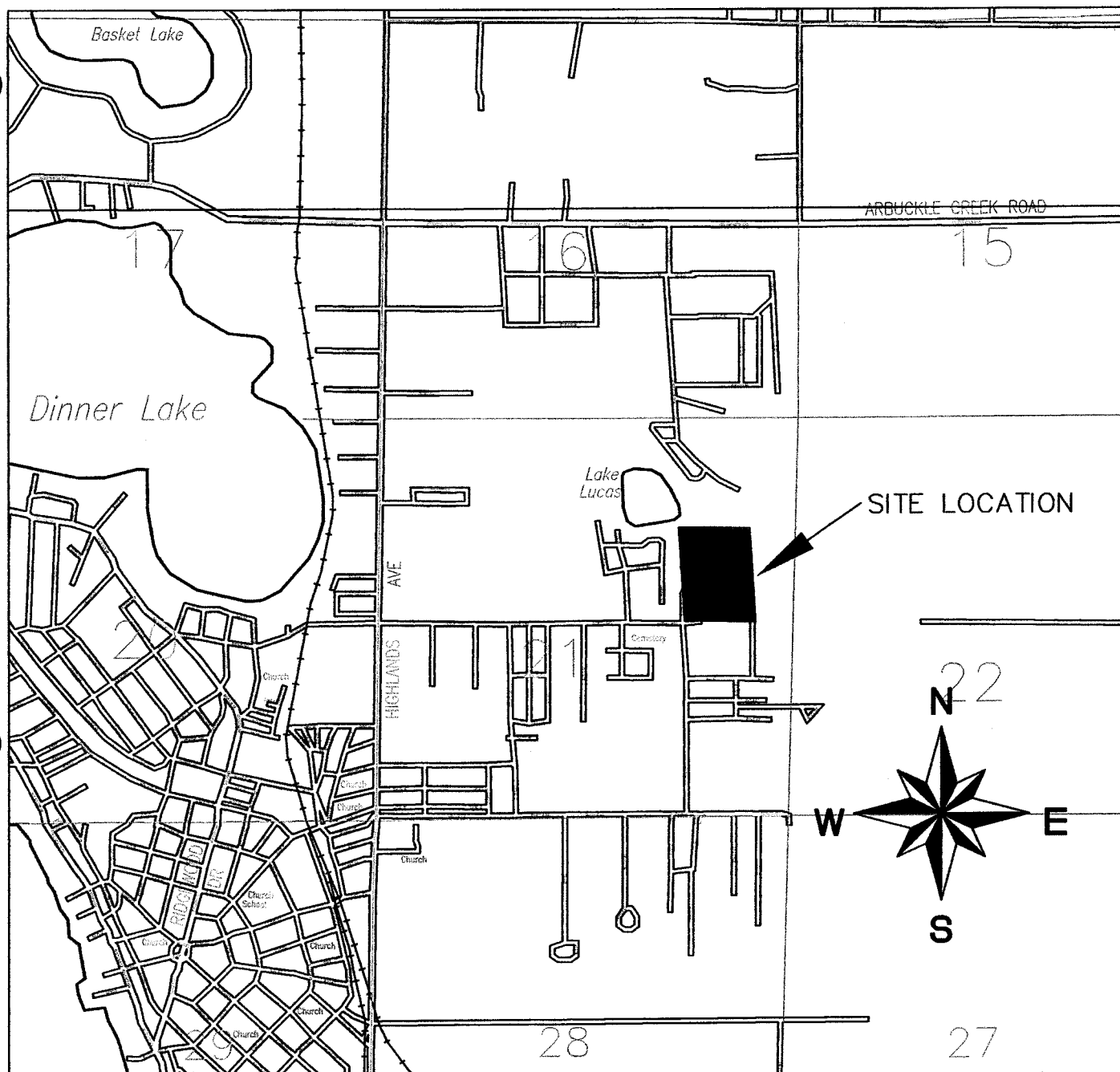


SCALE
0 1 2 3 MILES

PROJECT No. CSI-004, 4/23/87

SEBRING LANDFILL
SEBRING FLORIDA

PROJECT LOCATION



GRAPHIC SCALE



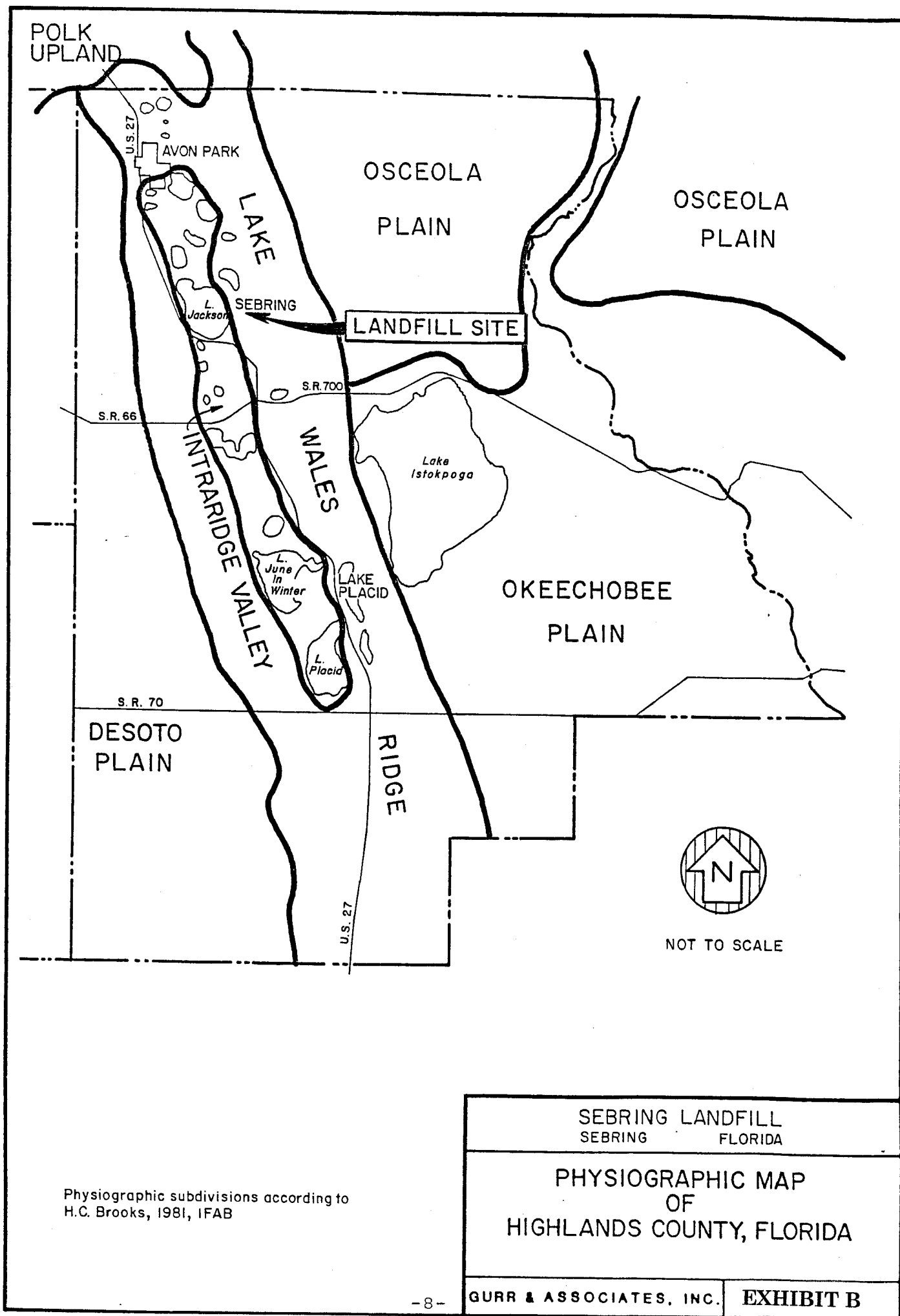
(IN FEET)
1 inch = 2000ft.

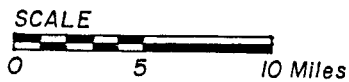
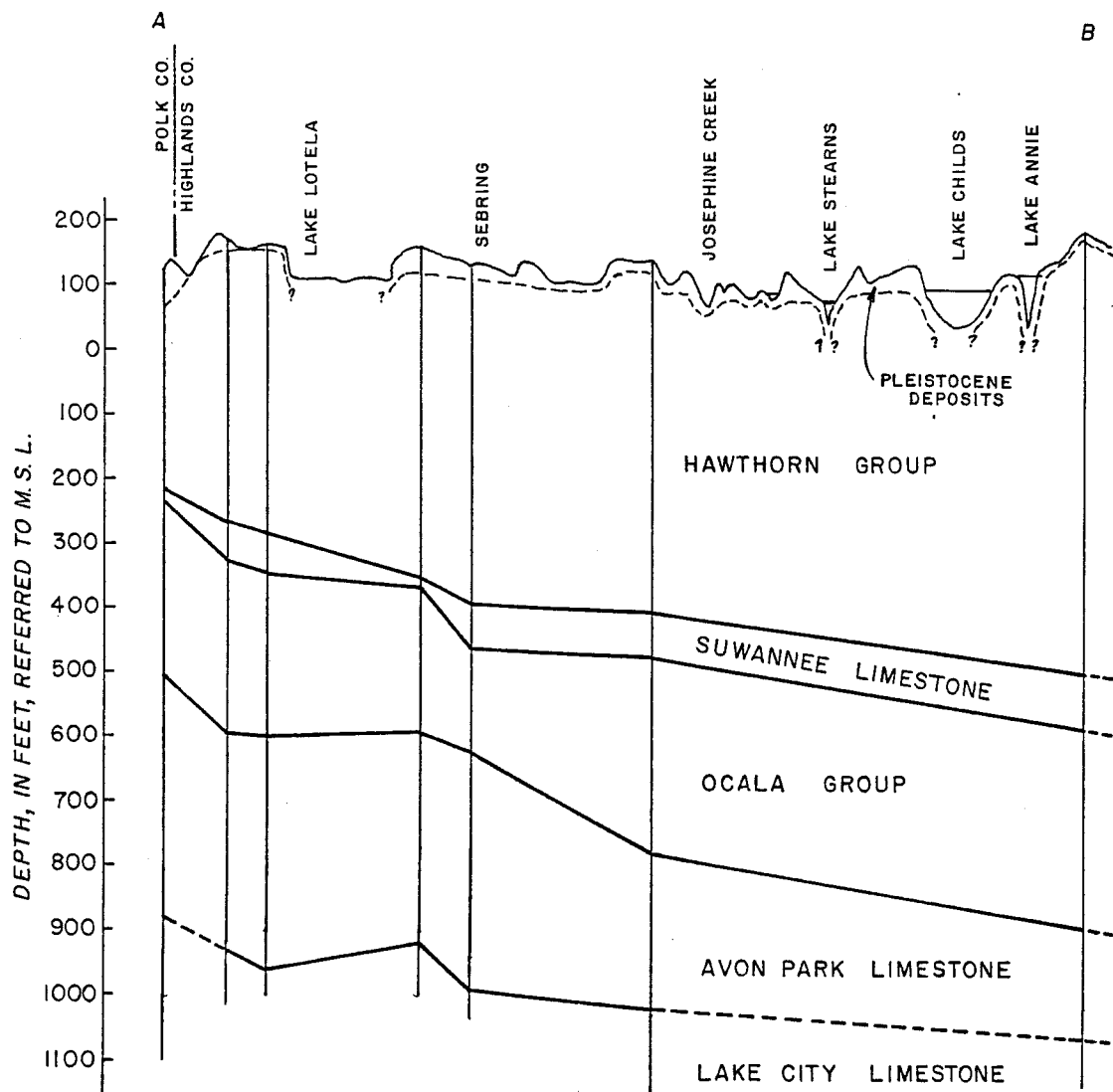
engineers • scientists • surveyors



**Sebring Class III
Yard Trash Landfill
Vicinity Map
EXHIBIT A1**

EXHIBIT A1





INDEX MAP

AFTER BISHOP, E.W., 1956, USGS R.I. No. 15

SEBRING LANDFILL	
SEBRING	FLORIDA
REGIONAL GEOLOGIC CROSS SECTION	

TABLE 1

GEOLOGIC FORMATIONS IN HIGHLANDS COUNTY

SERIES	FORMATION	THICKNESS (feet)	PHYSICAL CHARACTER	WATER SUPPLY
Recent		0-20	Dune sand, peat, and alluvium.	Not used as a source of water.
Pleistocene	Undifferentiated deposits	1-100	Gray-orange to white medium to coarse quartz sand in high areas of the county; fine to medium clayey, calcareous quartz sand in the low areas.	Furnishes domestic and stock supplies locally throughout the county.
Miocene	Hawthorn group	300-650	Dark-green to white montmorillonitic clay; white to cream dense sandy phosphatic limestone; fine to pebble-size quartz sand and phosphorite; white to red kaolinitic sand.	The deltaic part of the formation is a very important source of large supplies of water locally in the Ridge section. The marine part of the formation furnishes small to medium supplies of water from thin beds of limestone and sand.
Oligocene	Suwannee limestone	0-80	Cream colored soft chalky, slightly crystalline, porous limestone.	Not an important source of large supplies of water; permeable.
	Ocala group	150-250 200-400	Light-gray to cream-colored soft, chalky foraminiferal limestone.	Not an important source of large supplies of water; except in the southeastern part of the county; permeable.
Eocene	Avon Park limestone	200-350	Light-gray to light-brown soft to hard granular to chalky, slightly porous limestone, with secondary calcite and some dolomitic limestone.	Not an important source of large supplies of water; permeable.
	Lake City limestone	400±	Brown hard crystalline dolomite and cream-colored permeable limestone and dolomitic limestone.	A very important source of large supplies of water throughout the county; highly permeable.

Sebring Landfill

12-09-86

Boring 1

- 0-2' Fine-medium grade silty sand w/some organic - light to medium brown - 60% recovery (2-2-2-2).
- 2-4' Fine-medium grade silty sand w/some organics and fill - cemented sand nodular at 8' - light brown to black and gray - 70% recovery (2-4-5-8).
- 4-6' Fine-medium grade silty sand - light-medium gray-moisture increasing (4-4-5-7).
- 6-8' Same as above grading into a spodic zone at 7.5 feet - spodic zone dark brown to black with organics (4-6-3-4).
- 8-10' Fine-medium grade silty sand with some organics and pieces of debris from above - medium to dark brown - water table at 9 feet - 50% recovery (5-5-6-6).
- 10-12' Medium grade sand with some fibrous organics - medium to dark brown (4-4-8-6).
- 12-14' Fine-medium grade sand with some fibrous organics - light to dark brown (2-4-7-12).
- 14-16' Fine-medium grade sand - light to medium gray (8-6-7-11).
- 16-18' Light gray fine to medium grade sand - well washed (8-9-5-6).
- 18-20' Same as above (3-4-6-8).

Over drilled to 25 feet. E.O.B.

3 feet of solid casing above ground (PVC).

10' solid in ground, 10' screen gravel packed: -6 to E.O.B. cement grout: Land surface to -6.

Sebring Landfill

12-10-86

1. Drill crew arrived at 9:30 a.m.
2. Developed well for 30 minutes.
3. Drill rig will not start - searched for parts and repaired regularly until 11:30 a.m.

Boring 2

11:40

- 0-2' Fine silty sand with organics and fill debris - 70% (8-9-9-4).
- 2-4' Same as above, water table at 4' - 70% (1-2-4-5).
- 4-6' Fine to medium grade silty sand with organic staining - possible leachate - dark brown to black with a sulferous odor - 80% (1-2-4-5).
- 6-8' Same as above (2-2-2-3).
- 8-10' Fine to medium grade sand with some fibrous organics - medium to gray to brown - (2-3-4-5).
- 10-12' Fine to medium grade sand with some fibrous organics - medium to light brown (3-4-4-5).
- 12-14' Same as above with less organics - color change to a light gray to white at about 12.5 feet - 70%.

Over drilled to 16 feet. E.O.B.

3 feet of solid PVC casing above ground (PVC).

Solid casing from L.S. to 10 feet.

Screen from 10-15 feet.

Developed by pumping for 15 minutes - clear discharge at about 15 gpm.

Cement grout from 25 to 6 feet.

Sebring Landfill

12-10-86

Boring 3

Same material and finished the same as B-2.

Boring No. MW-4Location Coordinates NHole Size 6" Slot 0.01EScreen Length 20' Mat'l PVCFilter Materials Silica SandDiameter 2"Grout Type Bentonite/ConcreteCasing Length 10' (3.65' Stick-up) Mat'l PVC

Development

Diameter 2"

Static Water Level

Date Start 2/19/87Finish 2/19/87

Top of Well Elevation

Contractor BurnettDriller Willie

Drill Type

Elevation (ft)	Depth (ft)	Legend	Classification of Materials	Blow Counts	% Recovery	Box or Sample #	Sketch of Construction	Remarks
	11		0-11' AUGER Tan to light gray fine silty sand, water at 12'.					
	to 12.5		Tan to light gray fine sand to 11.5, white fine sand at 12' wet.	3	100	S1		
	to 14		White, fine sand, saturated.	5	100	S2		
	to 14		White fine grained sand, saturated.	5	100	S3		
	to 15.5		White, fine to medium grained sand, saturated.	5	100	S4		
	to 17		White, fine to medium grained sand, saturated.	5	100	S5		
	to 18		White, fine to medium grained sand, saturated.	4	100			
	to 20		Auger to 50' No clay.	6				
				8				
								Cave in - Auger to clay.

Terry Carroll

Signed

Approved

Boring No. MW-5 Location Coordinates N
 Hole Size 6" Slot 0.01 E
 Screen Length 13' Mat'l PVC Filter Materials Silica Sand
 Diameter 2" Grout Type Bentonite/Concrete
 Casing Length 28' (1.98' Mat'l PVC Development _____
 Diameter 2" Stick-up) Static Water Level _____
 Date Start 2/19/87 Finish 2/19/87 Top of Well Elevation _____
 Contractor Burnett Driller Willie Drill Type _____

Elevation (ft)	Depth (ft)	Legend	Classification of Materials	Blow Counts	% Recovery	Box or Sample #	Sketch of Construction	Remarks
			0-11' AUGER Tan to light 0-25' Auger, Tan to light - gray fine silty sand - water at 28'.					
26.5			Light gray to white fine	3	5	S1		
to			silty sand, wet to sa-	7				
28			turated.	10				
28			Light gray to white, fine	11	100	S2		
to			to medium sand, buff clay-	14				
29.4			ey sand at 29.4, saturated.	17				
29.4			Light gray to white fine	5	100	S3		
to			to medium sand, saturated.	14				
31				17				
31			Light gray to white fine	5	60	S4		
to			to medium sand, saturated.	7				
32.5				13				
32.5			Light gray to white fine	15	100	S5		
to			to medium sand, saturated.	22				
34				26				
			Clay at 38'					Hole caving - Auger to clay.

Signed _____

Approved _____

Site Sebring Landfill (CSI-004)SHEET 3 OF 3Boring No. MW-6Location Coordinates NHole Size 6" Slot 0.01EScreen Length 20' Mat'l PVCFilter Materials Silica SandDiameter 2"Grout Type Bentonite/ConcreteCasing Length 10' (3.54') Mat'l PVC

Development

Diameter 2" Stick-up)

Static Water Level

Date Start 2/23/87Finish 2/23/87

Top of Well Elevation

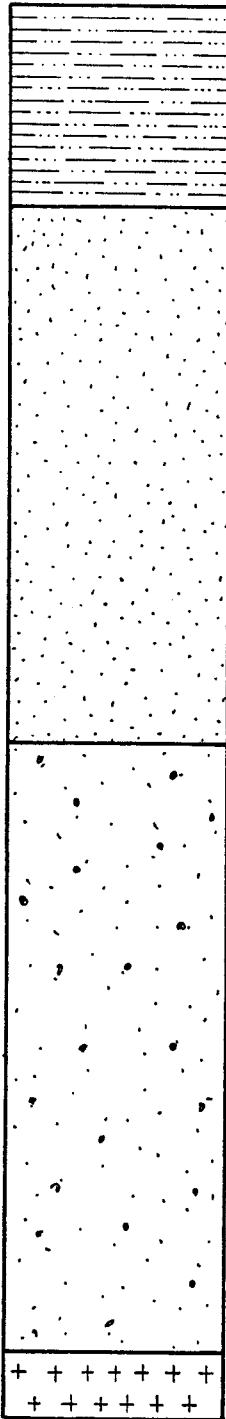
Contractor BurnettDriller DC

Drill Type

Elevation (ft)	Depth (ft)	Legend	Classification of Materials	Blow Counts	% Recovery	Box or Sample #	Sketch of Construction	Remarks
			Auger to 8', brown/orange silty sand, moist, organic debris, fill.					
	8 to 9.5		Brown/orange interbedded silty sand, scattered organic debris.	9 13 20	60	S1		
	9.5 to 11		Dark gray to black fine grained sand, saturated strong odor.	9 12 6	100	S2		Water at 10'.
	11 to 12.5		Dark gray, fine grained sand, saturated.	2 4 5	100	S3		
	12.5 to 14		Gray fine grained sand saturated, silty.	2 3 2	50	S4		
	14 to 15.5		Gray to tan fine grained sand, saturated	6 7 6	100	S5		
	15.5 to 17		Gray to tan, fine grained sand, saturated.	2 2 10	100	S6		
	17 to 18.5		Gray to tan, fine grained sand, saturated.	3 5 5	100	S7		
	18.5 to 20		Gray to tan, fine grained sand, saturated.	7 7 7		S8		Hole collapsed finish with augers.
			TD 30 feet.					

Signed

Approved



TAN TO LIGHT GRAY, FINE SILTY SAND,
THICKNESS RANGES FROM 9 TO 20 FEET

LIGHT GRAY TO WHITE, FINE SAND,
THICKNESS RANGES FROM LESS THAN
1 FOOT TO MORE THAN 20 FEET

LIGHT GRAY TO WHITE TO BUFF, FINE TO
MEDIUM GRAINED SAND. WELL WASHED.
THICKNESS RANGES FROM LESS THAN
1 FOOT TO MORE THAN 20 FEET

BLUE/GRAY SANDY CLAY - DISCONTINUOUS,
THICKNESS UNKNOWN

- NOT TO SCALE -

PROJECT No. CSI-004, 4/23/87

SEBRING LANDFILL
SEBRING FLORIDA

GENERALIZED
STRATIGRAPHIC COLUMN
OF MONITORING WELL
BORINGS

GURR & ASSOCIATES, INC.

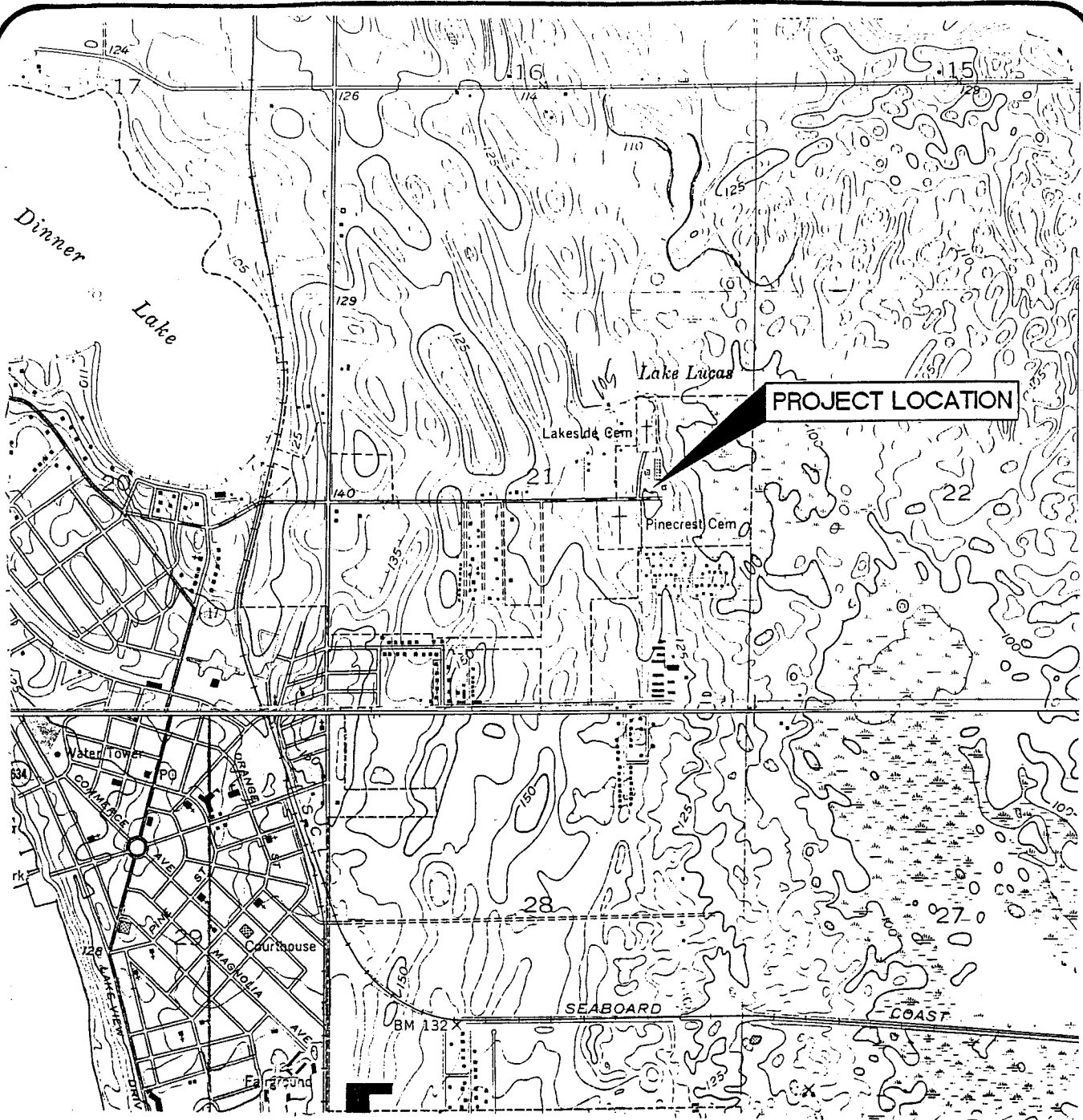
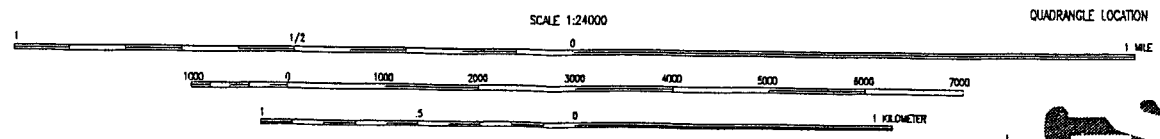
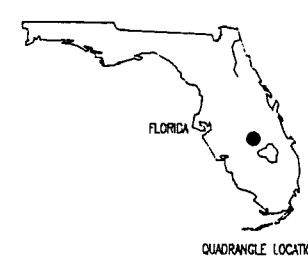


EXHIBIT D



U.S.G.S. QUADRANGLE MAP
Section 21, Township 34 South Range 29 East
Lake Arbuckle SW, FL



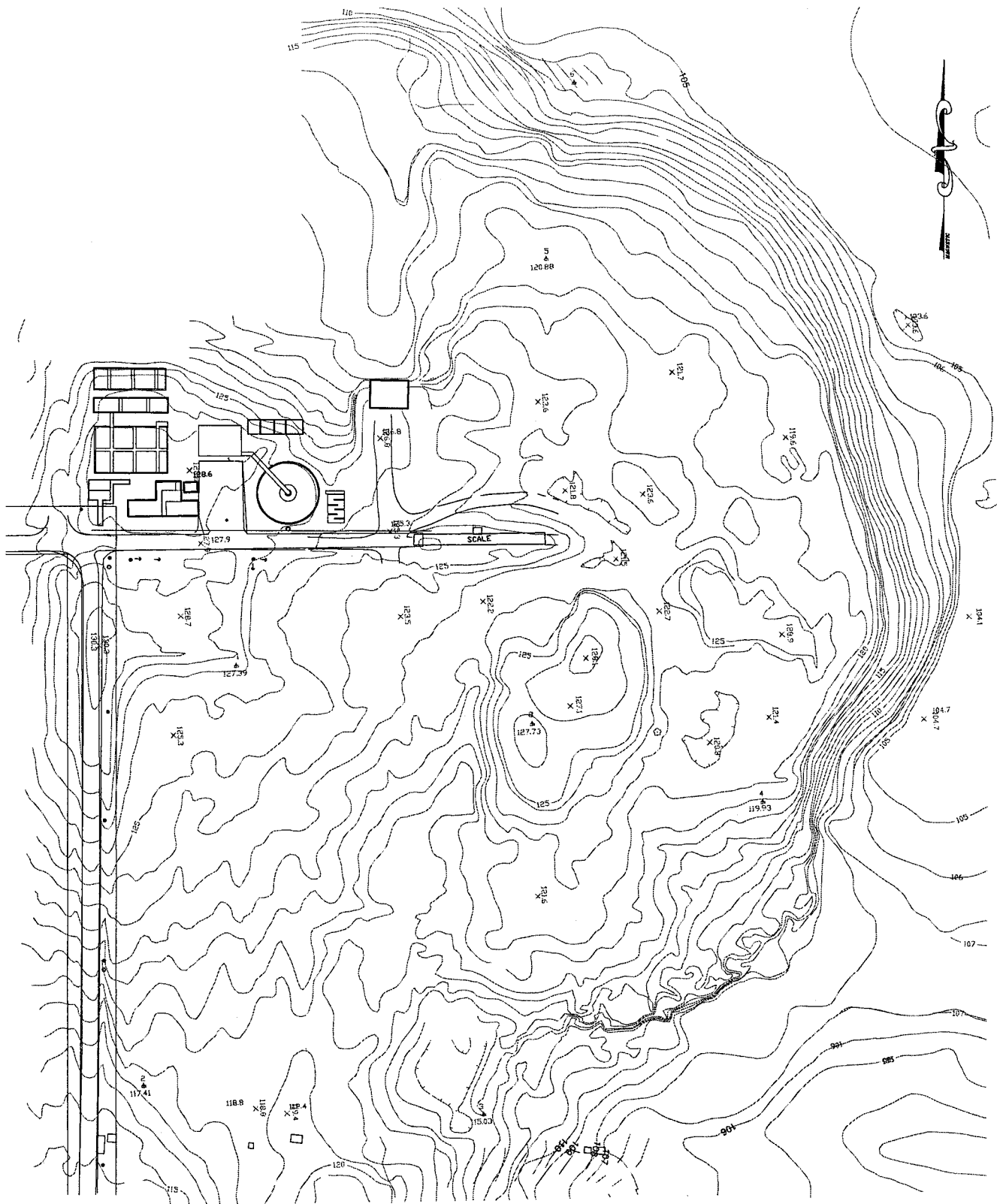


EXHIBIT E

engineers - architects - surveyors - scientists



**chastain
skillman**
incorporated

Lakeland
Sebring
Tampa
Atlanta
Orlando

Eng. Bus.
No. EB262

Sebring : P.O. BOX 7036, FL 33871-1281 (863) 382-4160

CITY OF SEBRING
CLASS III- LANDFILL

LANDFILL CONTOUR MAP

DRAWN BY Kjh
REV. P- DATE 01-22-03
SCALE 1" = 150'

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ENGINEER:

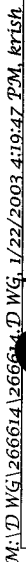
W.R. CAUTHAN

REG. NO. 27563

DRAWING NO.

DCS 3.14-5

9/21/17 9:59:22 AM D:\W



engineers - architects - surveyors - scientists



Lakeland
Sebring
Tampa
Atlanta
Orlando

Eng. Bus.
No. FR262

Sebring : P.O. BOX 7036, FL 33871-1281 (863) 382-4160

PROPOSED CLOSURE CONTOURS

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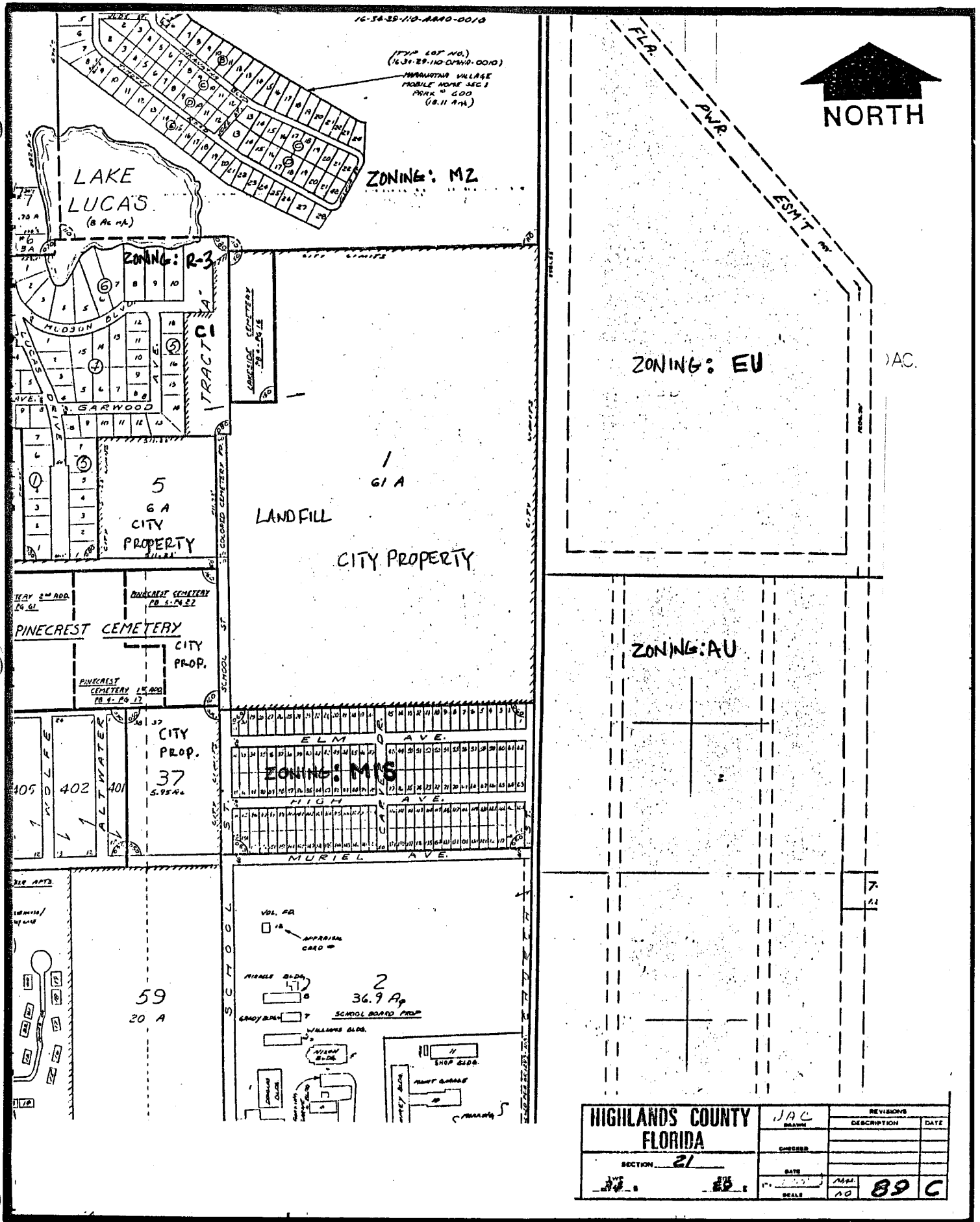
ENGINEER:

W.R. CAUTHAN
DEC NO 27

REG. NO. 27563

DRAWING NO.

DCS 5.14-6



COUNTY ZONING AND PROPERTY MAP

EXHIBIT G

Parcel Id	Owner Name	Address	City	Zip Code
1 <u>S-21-34-29-A00-0010-0000</u>	CITY OF SEBRING	4200 CEMETERY RD	SEBRING	33870
2 <u>S-21-34-29-A00-0050-0000</u>	COHAN RADIO GROUP INC	4124 CEMETERY RD	SEBRING	33870

Parcel Id	Owner Name	Address	City	Zip Code
1 <u>C-21-34-29-A00-0020-0000</u>	HIGHLANDS COUNTY SCHOOL BOARD	426 SCHOOL ST	SEBRING	33870
2 <u>C-21-34-29-A00-0040-0000</u>	J REED FAMILY LLC	Not Available		
3 <u>C-21-34-29-A00-0060-0000</u>	REED JIM + SAUNDRA	1606 LUCAS DR	SEBRING	33870
4 <u>C-21-34-29-A00-0070-0000</u>	MCKINNEY LEE A + ELVIRA	1616 LUCAS DR	SEBRING	33870

Parcel Id	Owner Name	Address	City	Zip Code
1 <u>C-21-34-29-060-AAAA-0000</u>	LINCOLN HEIGHTS SUB	Not Available		
2 <u>C-21-34-29-060-0000-0010</u>	CARVER CITY INC	4830 ELM AV	SEBRING	33870
3 <u>C-21-34-29-060-0000-0020</u>	SMITH CLEO F	4826 ELM AV	SEBRING	33870
4 <u>C-21-34-29-060-0000-0030</u>	SMITH CLEO F	4822 ELM AV	SEBRING	33870
5 <u>C-21-34-29-060-0000-0040</u>	ORR WILLIE	4818 ELM AV	SEBRING	33870
6 <u>C-21-34-29-060-0000-0050</u>	ORR WILLIE	4814 ELM AV	SEBRING	33870
7 <u>C-21-34-29-060-0000-0060</u>	ELLIS WALTER + ETHEL	4728 ELM AV	SEBRING	33870
8 <u>C-21-34-29-060-0000-0100</u>	LEWIS HELEN	4724 ELM AV	SEBRING	33870
9 <u>C-21-34-29-060-0000-0110</u>	LEWIS HELEN	4720 ELM AV	SEBRING	33870
10 <u>C-21-34-29-060-0000-0120</u>	LEWIS HELEN	4718 ELM AV	SEBRING	33870
11 <u>C-21-34-29-060-0000-0140</u>	WILLIAMS THOMAS	4708 ELM AV	SEBRING	33870
12 <u>C-21-34-29-060-0000-0160</u>	HART CATHERINE T	4630 ELM AV	SEBRING	33870
13 <u>C-21-34-29-060-0000-0170</u>	HART W E + CATHERINE	4622 ELM AV	SEBRING	33870
14 <u>C-21-34-29-060-0000-0190</u>	HART CATHERINE T	4618 ELM AV	SEBRING	33870
15 <u>C-21-34-29-060-0000-0210</u>	FYNE ELIZABETH D	4610 ELM AV	SEBRING	33870
16 <u>C-21-34-29-060-0000-0220</u>	WILCOX MARY	4606 ELM AV	SEBRING	33870
17 <u>C-21-34-29-060-0000-0230</u>	LEWIS MARCUS W + COLETTE A	4602 ELM AV	SEBRING	33870
18 <u>C-21-34-29-060-0000-0240</u>	LEWIS MARCUS	4532 ELM AV	SEBRING	33870
19 <u>C-21-34-29-060-0000-0250</u>	LYONS FRANK JR	4524 ELM AV	SEBRING	33870
20 <u>C-21-34-29-060-0000-0260</u>	WILSON IDA K	4520 ELM AV	SEBRING	33870
21 <u>C-21-34-29-060-0000-0270</u>	FYNE LYNFORD + ELIZABETH	4518 ELM AV	SEBRING	33870
22 <u>C-21-34-29-060-0000-0290</u>	HAWTHORNE REAL ESTATE	4512 ELM AV	SEBRING	33870
23 <u>C-21-34-29-060-0000-0300</u>	HAWTHORNE REAL ESTATE	4508 ELM AV	SEBRING	33870
24 <u>C-21-34-29-060-0000-0310</u>	DICKENS BONNIE	4504 ELM AV	SEBRING	33870

S-21-34-29-A00-0010-0000
20 Sebring City Limits

value summary	sales history	land lines	extra features	trim notice	query list
---------------	---------------	------------	----------------	-------------	------------

Name 1: CITY OF SEBRING

Name 2:

Addr 1: 368 S COMMERCE AVE

Addr 2:

City : SEBRING

State : FL

Cntry :

Zip : 33870

Legal Description

N 1/2 OF NE 1/4 OF SE 1/4

+ SE 1/4 OF NE 1/4-LESS

LAKESIDE CEMETERY PB 4-17

IN NW COR + PORT TRACT A

OF LUCAS LAKE EST PB 8-55

LYING WITHIN CITY LIMITS

58.24 ACRES

DOR Code: 89

Map Id : 89C

Year Created : 1986

Year Improved: 0

Prior Strap: C-21-34-29-A00-0010-0000

4200 CEMETERY RD

Neighborhood Code : 440.00

RURAL TRACTS IN 34/29

Value Summary

Total Building Market Value	\$0
Total Market OB/XF Value	\$457,068
Total Land Value - Market	\$87,360
Total Land Value - Agri.	\$0
Income	NA
Total Classified Use Value	\$0
Total Just Value	\$544,428
Exemptions	\$544,428

Revision Dates

Building Date	
Structural Elements Date	12/31/1899
Land Lines Date	""\$,,Đ□Éô
Extra Features Date	
Legal Date	12/31/189958.24 ACRES
Income Date	RES
Review Date	

Highlands County Property Appraiser

Highlands County Property Appraiser

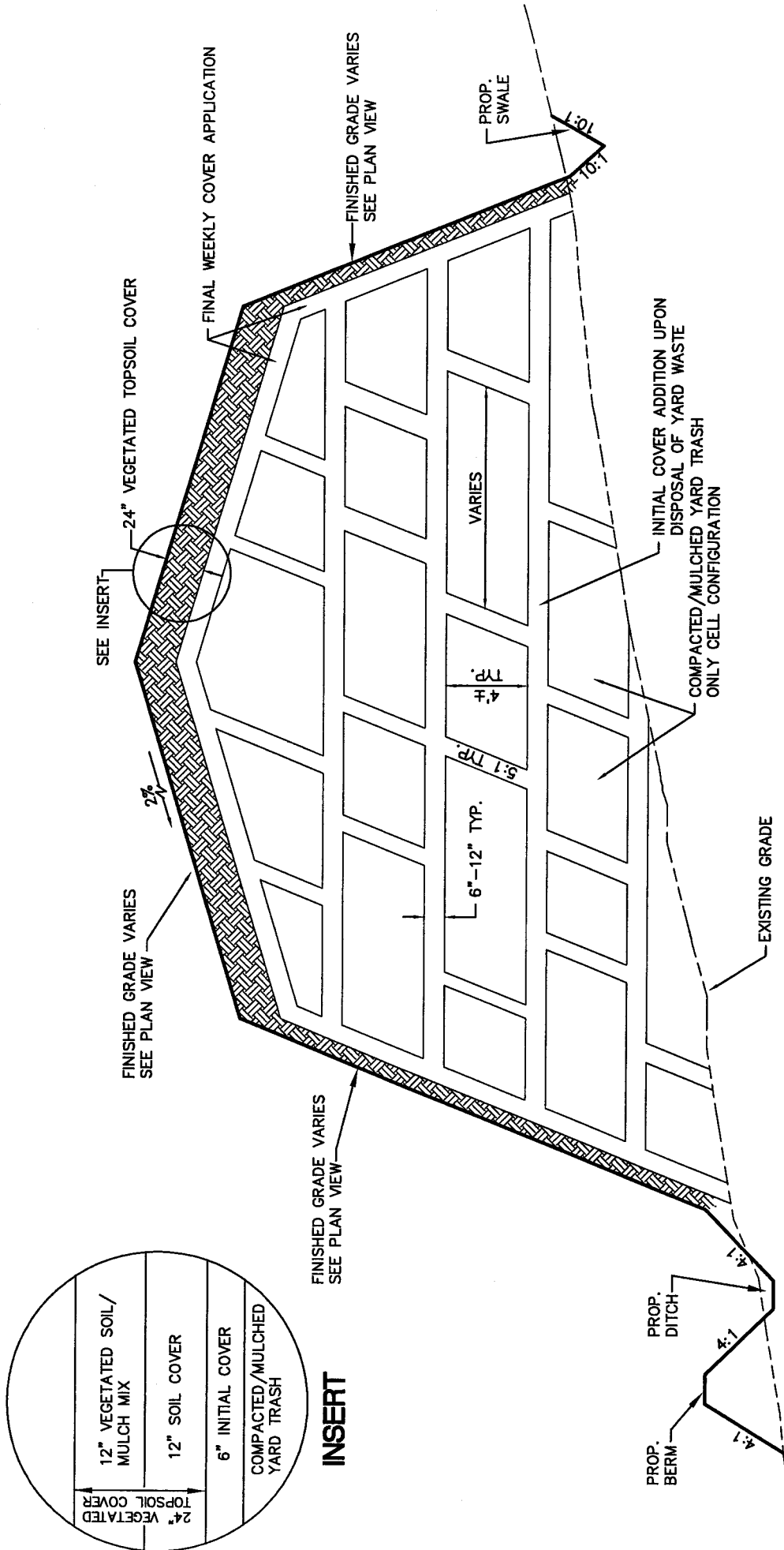
Highlands County Property Appraiser

Highlands County Property Appraiser

Highlands County Property Appraiser

Highlands County Property Appraiser

EXHIBIT H



CITY OF SEBRING LANDFILL CLOSURE SEBRING, FLORIDA		FINAL COVER DESIGN SCHEMATIC DETAIL	
CHASTAIN-SKILLMAN, INC.		DRAFTED BY: (12/26/02)RAM	WRC
		ENGINEER:	
		CSI PROJ. NO. 2666.14	

City of Sebring Class III Yard Trash Landfill FEMA Map

NATIONAL FLOOD INSURANCE PROGRAM

FIRM

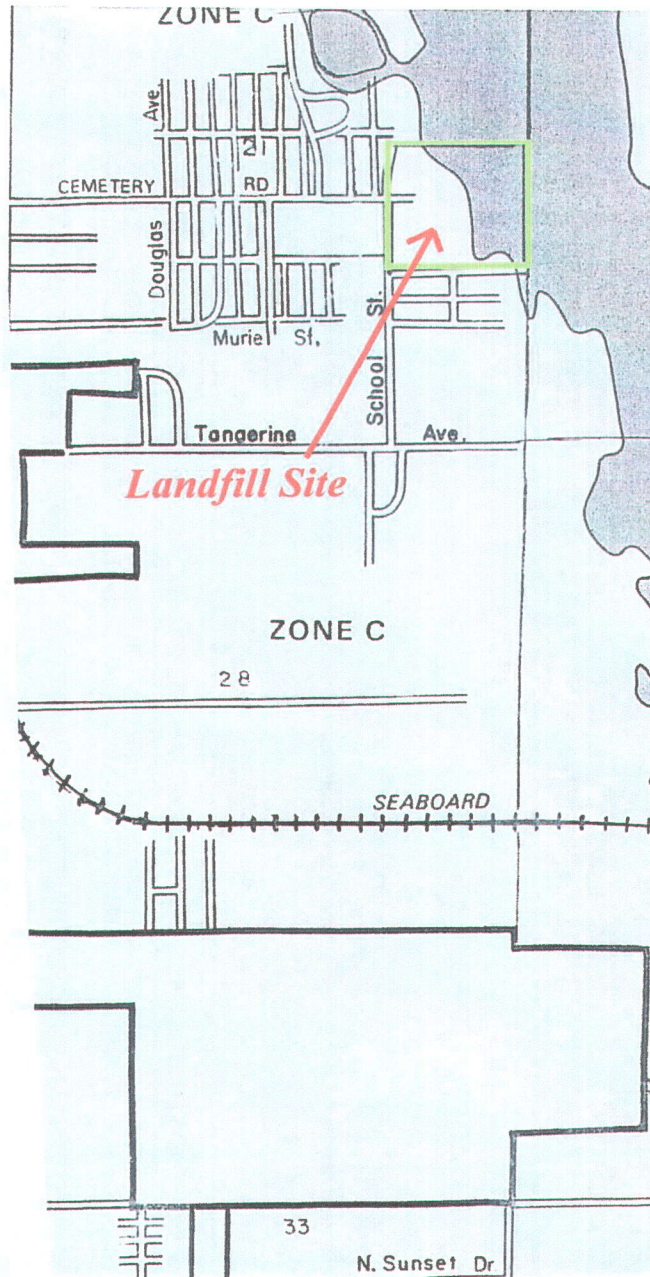
FLOOD INSURANCE RATE MAP

HIGHLANDS COUNTY,
FLORIDA
(UNINCORPORATED AREAS)

PANEL 75 OF 300

COMMUNITY-PANEL NUMBER
120111 0075 B

EFFECTIVE DATE:
FEBRUARY 16, 1983



engineers • scientists • surveyors

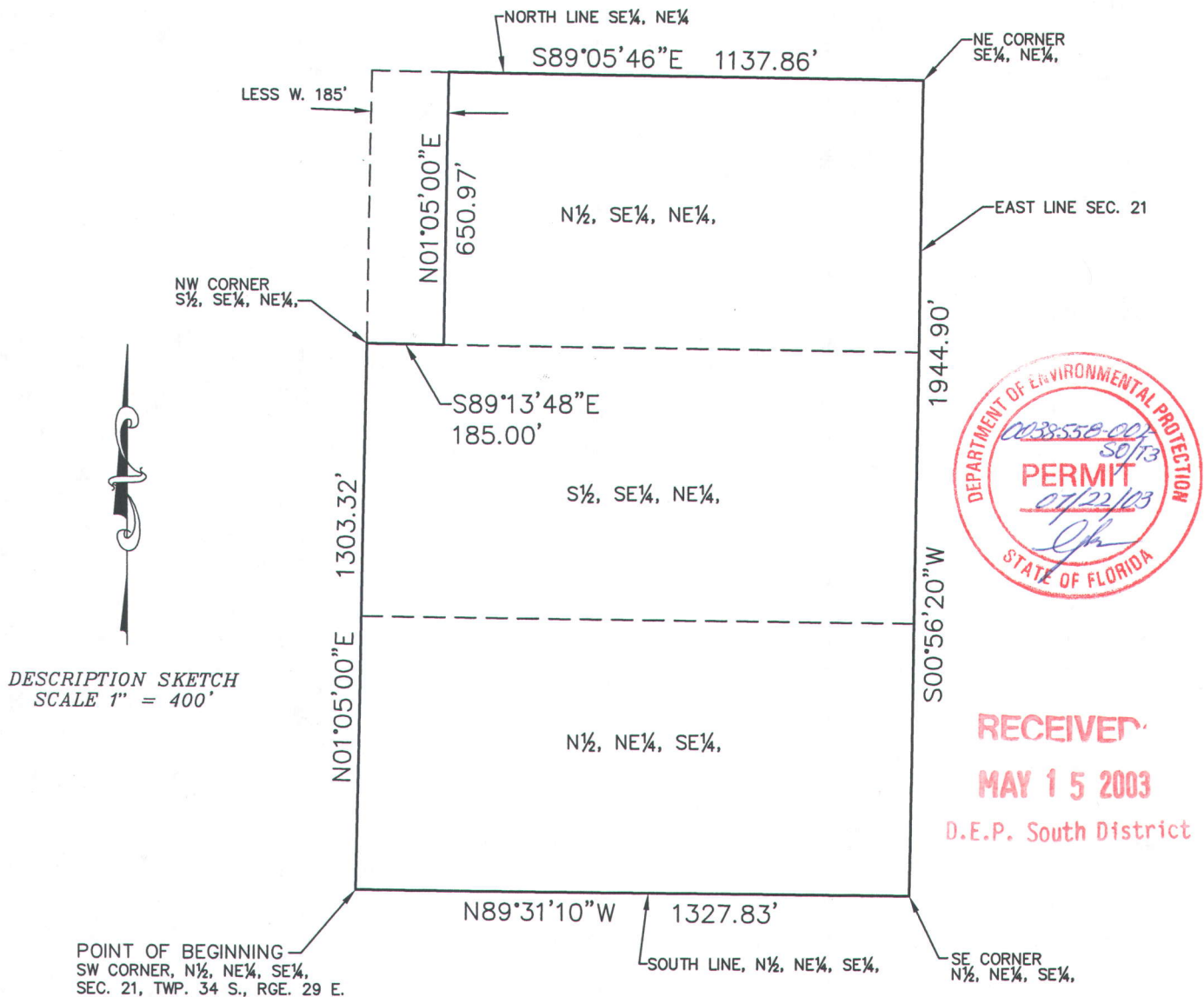
**chastain
skillman**
incorporated

RECEIVED

JUN 25 2003

D.E.P. South District

DESCRIPTION SKETCH



DESCRIPTION:

The North 1/2 of the Northeast 1/4 of the Southeast 1/4, AND the South 1/2 of the Southeast 1/4 of the Northeast 1/4 AND the North 1/2 of the Southeast 1/4 of the Northeast 1/4 LESS the West 185.00 feet thereof, all lying in Section 21, Township 34 South, Range 29 East, Highlands County, Florida, being more particularly described as follows:

Beginning at the Southwest corner of the North 1/2 of the Northeast 1/4 of the Southeast 1/4 of said Section 21, thence N01°05'00"E along the West line of said Northeast 1/4 of the Southeast 1/4 for 1,303.32 feet to the Northwest corner of the South 1/2 of the Southeast 1/4 of the Northeast 1/4 of said Section 21; thence S89°13'48"E for 185.00 feet; thence N01°05'00"E for 650.97 feet to the North line of the Southeast 1/4 of the Northeast 1/4 of said Section 21; thence S89°05'46"E along said North line for 1,137.86 feet to the Northeast corner of the Southeast 1/4 of the Northeast 1/4 of said Section 21; thence S00°56'20"W along the East line of said Section 21 for 1,944.90 feet to the Southeast corner of the North 1/2 of the Northeast 1/4 of the Southeast 1/4 of said Section 21; thence N89°31'10"W along the South line of said North 1/2 of the Northeast 1/4 of the Southeast 1/4 for 1,327.83 feet to the said Point of Beginning. Containing 56.56 acres more or less.

CERTIFICATION:

I hereby certify that this drawing correctly depicts the description shown hereon as prepared under my direction and this drawing was made in accordance with minimum technical standards adopted by the State of Florida Department of Business and Professional Regulation, Board of Professional Surveyors and Mappers, Chapter 61G17-6 of the Florida Administrative Code, pursuant to Section 472.027, Florida Statutes.

DATE OF SKETCH:

05/06/03

THIS IS NOT A SURVEY.
NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED
SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

Robert D. Huss 5/7/03
Robert D. Huss Signature Date
Professional Surveyor and Mapper
Florida Certificate #5203
CHASTAIN-SKILLMAN, INC.
Certificate Number LB 262
363 U.S. Highway 27 South
Sebring, Florida 33870
(863) 382-4160

EXHIBIT J

DRAWN BY: DRW

FIELD BOOK

PAGE

PREPARED BY:
CHASTAIN SKILLMAN, INC.

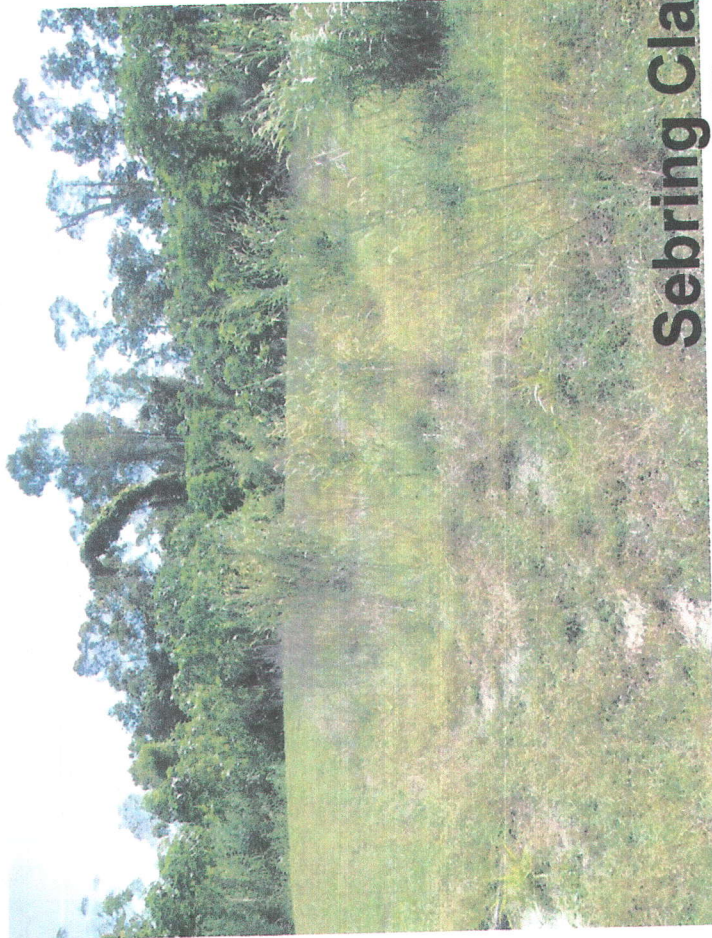
ASS 2666.14

Appendix C

Recent Site Photographs

Sebring Class III Landfill Permit Renewal - 2003





**Sebring Class III Landfill
Permit Renewal - 2003**

Appendix D

Training Plan

City of Sebring Landfill Training Plan

1. All landfill operators and spotters employed by the City of Sebring will be trained in accordance with the requirements of Florida Administrative Code (F.A.C.) Rule 62-701.320(15).
2. Newly employed Landfill Operators will receive 24 hours of initial training before serving as an operator at the City of Sebring Class III Yard Trash Landfill. This initial training will be accomplished by enrollment in state-approved courses as identified by the University of Florida TREEO Center.
3. Currently employed Landfill Operators will complete 16 hours of continuing training every three years. This continuing training will be accomplished by enrollment in state-approved courses as identified by the University of Florida TREEO Center.
4. Newly employed Landfill Spotters will receive 8 hours of initial training before serving as a spotter at the City of Sebring Class III Yard Trash Landfill. This initial training will be accomplished by enrollment in state-approved courses as identified by the University of Florida TREEO Center.
5. Currently employed Landfill Spotters will complete 4 hours of continuing training every three years. This continuing training will be accomplished by enrollment in state-approved courses as identified by the University of Florida TREEO Center.
6. An Annual review of each landfill operator's and spotter's training file will be completed to ensure training currency and to identify upcoming training requirements.
7. Attached is a list of currently approved courses for initial and continuing operator / spotter training. This list will be updated at least annually to ensure that operators and spotters are attending state-approved courses.
8. Copies of the Certificates of Completion will be maintained along with a copy of this training plan at the landfill to demonstrate compliance with F.A.C. Rule 62-701.320(15).
9. A copy of this training plan will be provided to each landfill operator and spotter employed by the City of Sebring.

Continuing Education			I, II, III	C&D	Transfer	MRF	Spotter
No.	COURSE TITLE	PROVIDED BY					
105	11th Annual SE Recycling Conference & Trade Show [3/1-4/98]	SE Recycling	8	8			
197	16-Hour Initial Training Course for Materials Recovery Facility (MRF) Operators	Kohl Consulting, Inc.	10	10	8	8	4
198	16-Hour Initial Training Course for Transfer Station Operators	Kohl Consulting, Inc.	10	10	8	8	4
52	17-701 & 17-703 Update [8/17/94]	SWANA - FL	4				
225	19-Hour Initial Training for Transfer Station and MRF Operators	Kohl Consulting, Inc.	10	10	8	8	4
204	1-Hour Overview of Health & Safety Issues at Solid Waste Facilities	Kohl Consulting, Inc.	1	1	1	1	
195	24-Hour Initial Training Course for Landfill Operators (Class I, II, III, and C&D Sites)	Kohl Consulting, Inc.	12	16			4
169	40-hour Train-the-Trainer Program for Hazardous Waste Operations and Emergency Response Program	Chinn Training	8	8	8	8	
144	8-Hour HazWoper Refresher Training	Stephen Mraz	4	4	4	4	
203	8-Hour Initial Training Course for Spotters at Class I, II, III Facilities, Waste Processing Facilities, and C&D Facilities	Kohl Consulting, Inc.	8	8	8	8	8
219	8-Hour Initial Training for Spotters	Consolidated Resource Recovery, Inc.	8	8	8	8	8
167	8-Hour HazWoper OSHA Refresher	FDEP / All Pro	4	4	4	4	
182	Air Compliance and LFG System Operation [11/9-10/00]	SCS Engineers	16				
171	An Overview of Solid Waste Technologies and Waste Screening Review	Kohl Consulting, Inc.	2	2	2	2	2
71	Asbestos Awareness Course for Landfill Operators	UF TREEO Center	4	4	4	4	4
127	Asbestos Awareness Refresher Course for Landfill Operators	UF TREEO Center	2	2	2	2	2
236	Authorized Entrant for Permit - Required Confined Spaces	UF TREEO Center	16				
145	Avoiding OSHA Citations and Liabilities in Florida [6/29/99]	Lorman Education Services	8				
143	Basic Confined Space [8/17/99]	North Florida Environmental Services	8	8	8	8	8
97	Basic Landfill Operations	Kohl Consulting, Inc.	8	8			4
72	Bird and Wildlife Management at Solid Waste Mgmt Facilities	UF TREEO Center	8	8	8		
208	Bird Management at Solid Waste Facilities	UF TREEO Center	4	4	4		
233	Chemicals That You Work With	Charlotte County	2	2	2	2	2
12	Chemistry for Environmental Professionals	UF TREEO Center	8	8	8	8	8
16	Complete Preventative Maintenance: Using New Technologies (No longer offered)	UF TREEO Center	13				
35	Confined Space Entry & Assessment	Applied Associates International	8	8	8	8	
18	Confined Space Entry & Assessment (no longer offered)	UF TREEO Center	20				
29	Confined Space Entry & Rescue	South Tech Fire Academy	40	40	40	40	
181	Confined Space for Private Industry	Sarasota Co. Tech	24	24	24	24	
200	Construction and Demolition Debris Landfills - A Short Course for Operators - 24 hours	UF TREEO Center/ SWANA - FL	16	16			
80	Construction and Demolition Debris Landfills - A Short Course for Operators (no longer offered) (See #200)	UF TREEO Center/ SWANA - FL	20	20			
103	Construction and Demolition Waste Recycling	UF TREEO Center	7	7		7	7
114	Debris Management G202	FEMA/FL Div	12	12	12	12	12
136	Debris Management-Advanced Course (G202-Advanced)	FDEP/FEMA	8	8	8	8	8
161	Design of Lateral Drainage Systems for Landfills [3/14/00]	Tenax	5				
108	Developing a Usable Operations Plan	Kohl Consulting, Inc.	4	4	4	4	4
130	Eight Hour Confined Space Training Course	Charles Davis	8	8	8	8	8
91	Eight Hour Spotter Training for Construction & Demolition Sites	Kohl Consulting, Inc.	8	8	8	8	8
40	Environmental Drilling, Well Installation & Sampling	Nielson Environmental Field School, Inc.	16	16			
175	Environmental Management Systems - Overview	UF TREEO Center	4	4	4	4	
176	Environmental Management Systems Internal Audit Procedures	UF TREEO Center	4	4	4	4	

Florida's Solid Waste Management Facility Operator and Spotter Approved Initial and Continuing Education Courses

Note: The Solid Waste Management Training Committee has reviewed all the approved courses for contact hours for all operators and spotters that became effective May 27, 2001 with FAC 62-701. Last updated 6/13/2002

Initial training courses can be taken for continuing education credit if the course was not taken as the initial training course. The initial course can be retaken as continuing education credit during the second three-year training period.

Class I, II, III Landfill Operators (Initial Training)

No.	COURSE TITLE	PROVIDED BY	I, II, III	C&D	Transfer	MRF	Spotter
30	SWANA - Manager of Landfill Operations Training Course [MOLO*]	SWANA	30				
160	SWANA - Manager of Landfill Operations [MOLO*]	SWANA - FL / UF TREEO	30	30			
196	24-Hour Initial Training Course for Landfill Operators (Class I, II and III and C&D Sites)	Kohl Consulting, Inc.	24				

Construction and Demolition Debris Operators (C & D) (Initial Training)

No.	COURSE TITLE	PROVIDED BY	I, II, III	C&D	Transfer	MRF	Spotter
200	Construction and Demolition Debris Landfills - A Short Course for Operators - 24 hours	SWANA - FL / UF TREEO		24			
195	24-Hour Initial Training Course for Landfill Operators (Class I, II and III and C&D Sites)	Kohl Consulting, Inc	24	24			

Transfer Stations (Initial Training)

No.	COURSE TITLE	PROVIDED BY	I, II, III	C&D	Transfer	MRF	Spotter
196	16-Hour Initial Training Course for Transfer Station Operators	Kohl Consulting, Inc			16		
225	19-Hour Initial Training for Transfer Station and MRF Operators	Kohl Consulting, Inc			19	19	
42	Transfer Station Design & Operations	SWANA			16		
222	SWANA - Managing MSW Transfer Station Systems	Solid Waste Association of North America SWANA			16		

Materials Recovery Facilities (MRF) (Initial Training)

No.	COURSE TITLE	PROVIDED BY	I, II, III	C&D	Transfer	MRF	Spotter
225	19-Hour Initial Training for Transfer Station and MRF Operators	Kohl Consulting, Inc			19	19	
197	16-Hour Initial Training Course for Materials Recovery Facilities (MRFs)	Kohl Consulting, Inc				16	

Spotters (Initial Training)

No.	COURSE TITLE	PROVIDED BY	I, II, III	C&D	Transfer	MRF	Spotter
203	8 Hour Initial Training for Spotters at Class I, II, III Landfills, Waste Processing Facilities, and C&D Sites	Kohl Consulting, Inc.	8	8	8	8	8
219	8-Hour Initial Training for Spotters	Consolidated Resource Recovery, Inc.	8	8	8	8	8
91	Eight Hour Spotter Training for C&D Sites	Kohl Consulting, Inc.	8	8	8	8	8
121	Eight-Hour Training for Personnel at C&D Materials Recovery Facilities	Kohl Consulting, Inc.	8	8	8	8	8
214	Spotter Training Plan for Land Clearing Debris Site	Wetland Solutions	8	8	8	8	8
147	Training for Spotters at Landfills, C&D Sites and Transfer Stations	JEATREEO	8	8	8	8	8
36	Waste Screening & Identification For Landfill Operators and Spotters	TREEO	8	8	8	8	8
122	Waste Screening and Operation Orientation for Transfer Station Personnel	Kohl Consulting, Inc.	8	8	8	8	8
9	Waste Screening at MSW Management Facilities (On-site Delivery)	SWANA	10	10	10	10	10

Continuing Education

No.	COURSE TITLE	PROVIDED BY	I, II, III	C&D	Transfer	MRF	Spotter
43	Environmental Sampling Laboratory & Data Analysis [12/12-12/94]	Executive Enterprises, Inc.	12				
100	Excavation, Trenching: Competent Person Training	UF TREEO Center	8	8			
66	Exposure to Bloodborne and Waterborne Pathogens <i>[No longer offered]</i>	UF TREEO Center	8				
167	FDEP 8-Hour HazWoper OSHA Refresher [5/3/00]	FDEP / All Pro	4	4	4	4	
199	FDEP 8 Hour HazWoper OSHA Refresher [5/1/01]	FDEP	4	4	4	4	
228	FDEP 8 Hour HazWoper OSHA Refresher [5/22/02]	FDEP / Kanton Brown	4	4	4	4	
48	FDEP Annual SQG Assessment, Notification & Verification Program Workshop [4/30/96]	FDEP	5				
88	FDEP Annual SQG Assessment, Notification & Verification Program Workshop [5/5-7/97]	FDEP	5				
107	FDEP Annual SQG Assessment, Notification & Verification Program Workshop [5/4-6/98]	FDEP	7	7	7	7	
134	FDEP Annual SQG Assessment, Notification & Verification Program Workshop [5/3-5/99]	FDEP	5	5	5	5	
226	FDEP Annual SQG Assessment, Notification & Verification Program Workshop [5/20-21/02]	FDEP	5	5	5	5	
54	FDEP HHW & Conditionally Exempt SQG [5/3-5/95]	FDEP	14				
59	FDEP HHW & Conditionally Exempt SQG [5/1/96]	FDEP	5				
84	FDEP HHW & Conditionally Exempt SQG [5/5-7/97]	FDEP	5				
106	FDEP HHW & Conditionally Exempt SQG [5/8-8/98]	FDEP	5	5	5	5	
135	FDEP HHW & Conditionally Exempt SQG [5/5-7/99] [Management credit]	FDEP	5	5	5	5	
168	FDEP HHW & Conditionally Exempt SQG [5/1-3/00] [Management credit]	FDEP	5	5	5	5	
198	FDEP HHW & Conditionally Exempt SQG [4/30-5/1/01]	FDEP	5	5	5	5	
227	FDEP HHW & Conditionally Exempt SQG [5/22-24/02]	FDEP	5	5	5	5	
32	Field Sampling Short School [7/22-24/91]	Environmental Technology Center	22				
47	Financing Integrated MSW Management Systems [5/14/96]	SWANA	8				
110	Fires at Landfills	Kohl Consulting, Inc.	2	2		2	
155	Four Hour Spotter Orientation for Class I, II and III Supervisors	Kohl Consulting, Inc.	4	4	4	4	4
156	Four Hour Spotter Orientation for Class I, II, and III Landfills	Kohl Consulting, Inc.	4	4	4	4	4
119	Four Hour Spotter Training Refresher for Construction & Demolition Sites	Kohl Consulting, Inc.	4	4	4	4	4
113	Full Cost Accounting for Municipal Solid Waste Management [2/17/98]	Terra Tech EM Inc	6				
120	Fundamentals of Operations for MRF Facilities Personnel	Kohl Consulting, Inc.	8			8	
154	Geosynthetics for Advanced Solutions [11/4/99]	GSE Lining Tech	6				
152	Groundwater Issues for Landfill Operators	UF TREEO Center	6	6			
17	Groundwater Monitoring, Analysis and Data Interpretation	UF TREEO Center	12	12			
76	Groundwater Monitoring, Requirements and Techniques for Landfills	Kohl Consulting, Inc.	2	2			
46	Groundwater Monitoring/Leachate Mgmt	SWANA	8	8			
101	Hazard Communications Course	Escambia County Emergency Prep	4	4	4	4	4
85	Hazardous Material and Site Investigations	EnSafe	8	8	6	8	6
82	Hazardous Material Chemistry for Non-Chemist [1/18/95]	St. Petersburg Junior College	7				
131	Hazardous Material Recognition Awareness Level Refresher [3/1/96]	Citrus County	4				
81	Hazardous Material Transportation <i>[no longer offered]</i>	UF TREEO Center	4				
50	Hazardous Materials Awareness Training [1/25/94]	Citrus County	8				
102	Hazardous Materials in Construction & Demolition Waste	UF TREEO Center	4	4			
224	Hazardous Materials in Construction & Demolition Waste Online	UF TREEO Center	4	4			
86	Hazardous Materials Incident Awareness Level Training [2/5/97]	Escambia County Emergency Prep	8	8	8	8	8
70	Hazardous Materials Management Conference [11/8-9/98]	International City & County Mgmt Associate	12				

Continuing Education			I, II, III	C&D	Transfer	MRF	Spotter
No.	COURSE TITLE	PROVIDED BY					
98	Hazardous Materials Transportation Seminar [5/7-8/97]	City Environmental Services, Inc of Florida	5	5	5		
34	Hazardous Waste & Emergency Response	Applied Associates International	8	8	8	8	8
53	Hazardous Waste Management for Government Employees [9/95, 10/95]	UF TREEO Center	8				
80	Hazardous Waste Mgmt 40 CFR 261-265 [4/17/96]	Occupational Safety Training, Inc.	8				
99	Hazardous Waste Operations & Emergency Response	Sterling Fibers/ESP	3	3	3		
188	Hazardous Waste Operations Emergency Response Refresher	Orange Co. Environmental Protection Division	4	4	4	4	
63	Hazardous Waste Regulations for Generators	UF TREEO Center	4	4	4	4	4
20	Hazardous Waste Training for Solid Waste Managers [7/16/93]	SWANA - FL	5				
217	HazWoper 24-Hour Moderate Risk Online	UF TREEO Center	6	6	6	6	3
216	HazWoper 40-Hour OSHA Health & Safety Online	UF TREEO Center	8	8	8	8	
218	HazWoper 8-Hour Refresher Online	UF TREEO Center	4	4	4	4	4
115	HazWoper Material Control & Emergency Response	Air Safe	8	8	8	8	4
94	Health & Safety at MSW Landfills	SWANA	10	10			
69	Health and Safety Training for Hazardous Materials: 40-Hour OSHA Compliance Course	UF TREEO Center	8	8	8	8	
62	Health and Safety Training for Hazardous Materials: 8 hour OSHA Refresher	UF TREEO Center	4	4	4	4	2
170	Health & Safety Issues for Solid Waste Management Facilities	Kohl Consulting, Inc.	8	8	8	8	4
223	Health and Safety Training for Landfill Operations Online	UF TREEO Center	5	5	5	5	2
149	Health and Safety Training for Landfill Operations	UF TREEO Center	5	5	5	5	2
201	Hiring and Retaining Good Employees	UF TREEO Center	2	2	2	2	
33	Household Hazardous Waste [6/30/94]	Care Environmental Corp.	4				
209	Hurricane Preparedness and Post Disaster Recovery Workshop	Dawberry & Davis LLC	8	8	8	8	8
19	Hydrogeology: Applications of Fundamental Concepts & Field Techniques to Florida Groundwater Investigations [No longer offered]	UF TREEO Center	20	20			
11	Inspection Procedures for Agri-chemical Containers offered for Recycling [No longer offered]	Dept. of Agriculture & Consumer Services	1				
44	Inspection Procedures for Agri-chemical Containers offered for Recycling (Pesticide) [No longer offered]	Institute of Food & Agriculture Science [IFAS]	1				
129	Inspector's Handbook for Construction Projects	Hillsborough County Solid Waste	7				
151	Integrated Management Course: Hurricane Recovery and Mitigation	FEMA/EMI	7	7	7	7	
26	International Meeting SWANA [8/11-13/91]	SWANA	20				
37	Introduction to Electrical Maintenance [prior to 1/1/02]	UF TREEO Center	7				
212	Introduction to Electrical Maintenance [taken after 1/1/02]	UF TREEO Center	16	16	16	16	
14	Introduction to Groundwater: Contamination, Investigation, & Remediation Assessment	UF TREEO Center	13	13			
124	Landfill Compaction Training School - 5 hours [prior to 1/1/02]	Caterpillar & Ringhaver Equipment	5	5			
229	Landfill Compaction Training School - 8 hours [taken after 1/1/02]	Caterpillar & Ringhaver Equipment	8	8			
75	Landfill Compliance Inspections	Kohl Consulting, Inc.	2	2			2
157	Landfill Design and Construction [3/27-30/00]	UF TREEO Center	28				
4	Landfill Design: Cell Design & Construction [3/9/92]	UF TREEO Center	14.5				
6	Landfill Design: Closure & Long Term Care [5/19/92]	UF TREEO Center	15				
2	Landfill Design: Conceptual Design Operations & Monitoring [1/12/92]	UF TREEO Center	14.5				
78	Landfill Design: Landfill Design and Construction [5/5-9/97]	UF TREEO Center	28				
5	Landfill Design: Leachate & Gas Management [3/11/92]	UF TREEO Center	15				
79	Landfill Design: Leachate and Gas Mgmt System Design	UF TREEO Center	21				

Continuing Education			I, II, III	C&D	Transfer	MRF	Spotter
No.	COURSE TITLE	PROVIDED BY					
3	Landfill Design: Liner Systems Materials Installation & Quality Assurance [2/11/92]	UF TREEO Center	14				
1	Landfill Design: Planning & Permitting [1/21/92]	UF TREEO Center	14				
77	Landfill Design: Planning and Permitting for Solid Waste Management [4/8-9/97]	UF TREEO Center	16				
179	Landfill Gas & Energy: Alternative Uses [9/25-27/00]	CDM, Inc.	8				
49	Landfill Gas & Leachate Systems	UF TREEO Center / SCS Engineers	8	8			
172	Landfill Gas Collection and Control Systems [8/19-20/99]	CDM, Inc.	8				
27	Landfill Gas Management (SWANA Spring Seminar 1994) [3/4/94]	SWANA	4				
83	Landfill Gas NSPS Workshop [7/15/96]	FDEP	6				
67	Landfill Gas NSPS Workshop [7/9/96]	SWANA - FL	4				
57	Landfill Gas System Design- A Practical Approach [6/14-15/94]	Landfill Control Technologies	8				
89	Landfill Gas: How to Profit From the New Mandates [6/17/97]	FDEP	7				
194	Landfill Operating Issues for Class I, II, III And C&D Sites	Kohl Consulting, Inc.	8	8			8
111	Landfill Operations and Waste Screening for Class I, II & III Sites	Kohl Consulting, Inc.	8				8
58	Landfill Operator Education (Landfill Mining and Landfill Gas and Leachate Mgmt) [3/22/96]	SWANA - FL	4				
168	Landfill Service School (Leachate Pumps and Controls School) [3/25-26/99]	EPG Companies	7	7			
118	Landfill Wildlife Training Course	Applied Technology & Management, Inc - ATM/UF TREEO Center	4	4			
158	Leachate and Gas Management System Design [5/8-10/00]	UF TREEO Center	12				
125	Management of Leachate, Gas, Stormwater and Odor at Class I, II, III Landfills	Kohl Consulting, Inc.	8	8			
30	Manager of Landfill Operations Training Course	SWANA	18	18			4
8	Managing Landfill Gas at MSW Landfills	SWANA	10	10	10	10	10
95	Managing Landfill Gas at MSW Landfills [1997] Onsite Delivery	SWANA	5	5			
108	Measurements and Calculations for Landfill Operators	Kohl Consulting, Inc.	5	5			
140	Meeting the Challenges of Environmental Liability with Case Studies in Solid Waste [6/16/99]	SWANA - FL	4				
128	Methods of Erosion and Sedimentation Control for Construction Sites	UF TREEO Center/FDEP	6	6			
208	NPDES Phase II Inspector Certification Course	Univ of Florida - T2 Center	12	12	8	4	
180	NUCA Competent Person Training	Sarasota Co. Tech	8	8			
10	On Site Operations Personnel [11/91]	SWANA - FL					
93	Operational Issues for Landfill Managers	SWANA	17				
177	OSHA 40-hour Course	R. Cooley	8	8	8	8	
185	OSHA 8-Hour HazWoper Annual Refresher [8/25/00]	University of North Florida Safety America	4	4	4	4	2
142	OSHA 8-Hour Refresher for Hazardous Waste Operations and Emergency Response	FDEP/Jamson	4	4	4	4	2
68	OSHA Update Seminar [8/7/98]	J.J. Keller & Associates, Inc.	6				
183	Overview of Class I Landfill Operations and Waste Screening	Kohl Consulting, Inc.	3	3			3
92	Overview of Solid Waste Management Technologies	Kohl Consulting, Inc.	3				
184	Overview of Transfer Stations and Waste Screening	Kohl Consulting, Inc.			3	3	3
15	Overview Understanding the Planning & Training Requirements of Big 3: OSHA, EPA, DOT (Regulatory Overview)	UF TREEO Center	7				
192	Pedestrian, Vehicles and Equipment Safety at Transfer Stations	Kohl Consulting, Inc.			2	2	2
186	Pedestrian, Vehicles and Equipment Safety in the Landfill	Kohl Consulting, Inc.	2	2			2
104	Permit Required Confined Space Training	UF TREEO Center	7	7	7	7	
96	Personnel Law Up-date [12/11-12/96]	Council on Education in Management	5				
45	Principles of Managing IMSWM Systems [Certified Municipal Solid Waste Manager I]	SWANA	24				
174	Principles of Managing Integrated Municipal Solid Waste Management Systems	SWANA	7				

Continuing Education			I, II, III	C&D	Transfer	MRF	Spotter
No.	COURSE TITLE	PROVIDED BY					
230	Proper Maintenance of Heavy Equipment and Safety	Caterpillar & Ringhaver Equipment	3	3			
153	Pump Maintenance [4/13-14/00]	National Tech Transfer	7				
213	Pumps and Pumping (taken after 1/2/02)	UF TREEO Center	16	16	16	18	
38	Mechanical Maintenance (Pumps and Pumping) (prior to 1/1/02) (see #213)	UF TREEO Center	7				
90	Recycling Coordinator Training Course 1997 (Basic Recycling Training) [5/19-21/97]	UF TREEO Center	8	8			
137	Recycling Coordinator Training Course 1999	UF TREEO Center	8	8			
205	Recycling Coordinators Training Course 2001 [8/2--24/01]	SWANA - FL					
146	Recycling Disaster Debris [8/6/99]	University of Central Florida / Engineering	6	8	8	8	6
193	Safe Operating Issues for Transfer Stations	Kohl Consulting, Inc.			2	2	
123	School/University Advanced Recycler Training Course [10/20-21/98]	UF TREEO Center	7	7			
7	Site Monitoring at Solid Waste Facilities	SWANA - FL	10				
139	Solid Waste Facility Operations for Construction and Demolition Operators (No longer offered) (See #196)	Kohl Consulting, Inc.		20			
138	Solid Waste Facility Operations for Landfill Operators (No longer offered) (See #196)	Kohl Consulting, Inc.	20				
41	Solid Waste in Florida's Small Counties Workshop	Florida Counties Foundation & the Florida Institute of Government	4				
21	Solid Waste Landfill Operators Short School (No longer offered)	UF TREEO Center/SWANA - FL	20				
28	Solid Waste Landfills Correspondence Course (course # C240-A180)	University of Wisconsin	20	20			
22	Solid Waste Management: Managing Special Waste [5/19/92]	UF TREEO Center	6				
55	Solid Waste Regulatory Review Workshop [3/10/95]	SWANA - FL	3				
150	Storm Water Management Training	S2LI	4				
202	Stormwater Inspector Certification Course	Sarasota Co. Tech	12	12	8	4	
39	Stormwater Management for Landfills (No longer offered)	UF TREEO Center	8				
56	Successfully Contracting for Solid Waste Services [7/14/95]	SWANA - FL	4				
61	Successfully Contracting Solid Waste Services	UF TREEO Center / SCS Engineers	4				
215	SWANA - 2001 Special Waste Conference [12/3/01]	SWANA	10	9	10	8	
133	SWANA - 22 nd Annual Landfill Gas Symposium [3/22-25/99]	SWANA	15				
163	SWANA - 23 rd Annual Landfill Gas Symposium [3/22-30/00]	SWANA	15				
190	SWANA - 24 th Annual Landfill Gas Symposium [3/19-23/01]	SWANA	18				
74	SWANA - Landfill Symposium 1st Annual [11/4-6/96]	SWANA	18				
87	SWANA - Landfill Symposium 2nd Annual [2/4-6/97]	SWANA	18				
117	SWANA - Landfill Symposium 3rd Annual [7/22-24/98]	SWANA	16				
159	SWANA - Landfill Symposium 4th Annual [8/28-30/99]	SWANA	18				
211	SWANA - Landfill Symposium 6th Annual [6/18-20/01]	SWANA - FL	15	15			
231	SWANA - Landfill Gas Operation and Maintenance	SWANA	20	20			
160	SWANA - Manager of Landfill Operations [MOLO®]	UF TREEO Center/SWANA - FL	16	16	8	8	
234	SWANA - Managing MSW Recycling Systems Training Course	SWANA	7	7	7	7	
222	SWANA - Managing MSW Transfer Station Systems	Solid Waste Association of North America SWANA			8	8	
178	SWANA - Paying for your MSW Management Systems - Revenue Generation & Cost Accounting [10/24/00] [10/14/01]	Solid Waste Association of North America	7				
141	SWANA - Florida 1999 Summer Conference [8/3-5/99]	SWANA - FL	4				
162	SWANA - Florida 2000 Spring Tri-State Conference [4/3-5/00]	SWANA - FL	3				
173	SWANA - Florida 2000 Summer Conference [8/10-11/00]	SWANA - FL	8	6			
189	SWANA - Florida 2001 Spring Conference [3/29-31/01]	SWANA - FL	3	3			
207	SWANA - Florida 2001 Summer Conference	SWANA - FL	5	5	5	5	1

Appendix E

Fire Contingency Plan

Fire Department Contingency Plan for the City of Sebring Yard Waste Landfill

Characteristics:

The City Yard Waste Landfill is located in the Northeast section of the City.
The Landfill is approximate 15 acres in size,
There are inhabited structures approx. 400' distance on South side.
City Sewage Treatment Plant approx. 300' distance on West side.
There are wooded areas on North & East sides
Use of the Landfill is restricted to disposal of yard waste, the majority of which consist of grass and tree trimmings.
Nearest possible exposure concern: Sewage treatment plant used for human waste disposal. Possibly fire spread could effect operation.

Fire Course of Action:

Because of the location, size and materials disposed of at the City landfill the threat to area residents and property is minimal.

The primary course of action is to extinguish any fire as quickly as possible to minimize the release of air pollutants.

Initial Response:

Brush Truck - 1 person
Engine - 2 personal
Notify Sebring Public Works

Secondary Response:

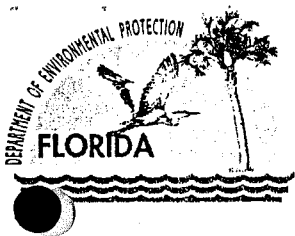
Station II respond
Engine - 2 personal
Notify all off duty personal
Request front end loader and sand from Public Works
Request Mutual Aid from County FD -
- for Tanker and sand if necessary.

Emergency Contacts:

FDEP	(239) 332-6975 (850)413-9911 (800)320-0519
HCEOC	(863)385-1112
SPD	(863)471-5107 911
SFD	(863)471-5105 911
Public Works	(863)471-5115

Appendix F

Agency Correspondence and Permit



Department of Environmental Protection

Lawton Chiles
Governor

Mailing Address:
P. O. Box 2549
Fort Myers, Florida 33902-2549

Virginia B. Wetherell
Secretary

July 7, 1998

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF PERMIT

CERTIFIED MAIL NO. Z 252 621 264
RETURN RECEIPT REQUESTED

In the matter of an
Application for Permit
by: City of Sebring
c/o Smith J. Rudasill, Mayor
368 South Commerce Avenue
Sebring, Florida 33870

Re: Highlands County - SW
DEP File No. 0038558-001-SO/T3
EMA: Lake Wales Ridge

Enclosed is Permit Number 0038558-001-SO/T3 to operate an existing Class III yard trash landfill specifically known as the City of Sebring Class III Yard Trash Landfill with a disposal area of 13.5 acres, to the proposed maximum height of 143 ft. (NGVD) including final cover, located at the intersection of Schoolhouse road and Cemetery Road, Sebring, Highlands County, Florida, issued under section(s) 403.061, 403.087 and 403.707 Florida Statutes, and Florida Administrative Code (F.A.C.) Rules 62-4, 62-25, 62-160, 62-204, 62-210, 62-212, 62-213, 62-296, 62-302, 62-330, 62-520, 62-522 and 62-701.

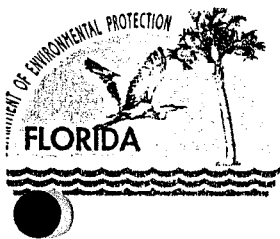
Any party to this Permit has the right to seek judicial review of the Permit under section 120.68 of the Florida Statutes, by the filing of a Notice of Appeal under rule 9.110 of the Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000 and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within thirty days after this notice is filed with the Clerk of the Department.

Executed in Fort Myers, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

David M. Knowles

for
Margaret F. Highsmith
Director of
District Management



Department of Environmental Protection

Lawton Chiles
Governor

Virginia B. Wetherell
Secretary

PERMITTEE:

City of Sebring
c/o Smith J. Rudasill, Mayor
368 South Commerce Avenue
Sebring, Florida 33870

I.D. No: 5228M02037
Permit/Certification
Number: 0038558-001-SO/T3
Date of Issue: July 7, 1998
Expiration Date: July 7, 2003
County: Highlands
Latitude: 27°30'50"N
Longitude: 81°25'09"W
Section/Town/Range: 21/34S/29E
Project: Sebring Class III Yard
Trash Landfill
EMA: Lake Wales Ridge

This permit is issued under the provisions of Sections 403.061, 403.087 and 403.707 Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Rules 62-4, 62-25, 62-160, 62-204, 62-210, 62-212, 62-213, 62-296, 62-302, 62-330, 62-520, 62-522 and 62-701. The above named Permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the Department and made a part hereof and specifically described as follows:

To operate an existing Class III yard trash landfill specifically known as the City of Sebring Class III Yard Trash Landfill with a disposal area of approximately 13.5 acres. The proposed maximum height of the disposal area is 143 ft. (NGVD) whereas, the previously approved maximum height was 127 ft. (NGVD) including final cover. The facility is located at the intersection of Schoolhouse Road and Cemetery Road, Sebring, Highlands County, Florida.

The permit is subject to the following fifteen (15) general and thirty-eight (38) specific conditions. This permit supersedes the previous Operation Permit No. SO28-214400 issued 06/14/1993.

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.

PERMITTEE:
City of Sebring
c/o Smith J. Rudasill, Mayor

I.D. No.: 5228M02037
Permit/Cert. No. 0038558-001-SO/T3
Date of Issue: July 7, 1998
Expiration Date: July 7, 2003

GENERAL CONDITIONS:

- b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and activity is located or conducted to:
- 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 non-compliance; and (b) The period of non-compliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance. 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 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 Section 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, 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 F.A.C. 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 transfer is approved by the Department.
- 12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

PERMITTEE:
City of Sebring
c/o Smith J. Rudasill, Mayor

I.D. No.: 5228M02037
Permit/Cert. No. 0038558-001-SO/T3
Date of Issue: July 7, 1998
Expiration Date: July 7, 2003

SPECIFIC CONDITIONS:

1. The landfill facility shall be operated in accordance with the approved application and supporting data.
2. A copy of the Operation Plan, from the Permit application package approved by the Department shall be kept at or near the landfill facility and shall be accessible to landfill operators.
3. This operation permit is valid for operation of the disposal area of the facility for yard trash only.
4. Operation and maintenance of the site shall be under the direction of a qualified and trained operator.
5. Signs indicating operating authority: "City of Sebring", Facility type: "Yard Trash Landfill" and "Not open to the Public" shall be posted at the entrance to the landfill. A sign indicating that the "City does not dispose of hazardous and/or infectious waste at this site" shall also be posted at the landfill entrance.
6. Stormwater management system shall be operated and maintained as necessary to meet applicable standards of F.A.C. Chapters 62-25 and 62-302. The Permittee must obtain all necessary Permits/approvals from the Department of Environmental Protection, and all other applicable State and local agencies.
7. The Department prefers that one trained operator and one trained spotter be present at the site when waste is received. If a trained spotter is not present, at least one trained operator shall be present at the working face who can serve as a spotter as well. Equipment operator, if trained, can serve as a spotter when he/she is not operating equipment.
8. The operator shall weigh all solid waste as it is received, record in tons per day. Waste records shall be compiled monthly, and copies shall be provided to the Department quarterly.
9. Waste monitoring shall be performed pursuant to F.A.C. Rule 62-701.500(6) and the inspection results shall be recorded. All hazardous waste shall be handled in accordance with Department regulations. If hazardous waste is received at the site and then sent to a hazardous waste disposal facility copies of receipts from the

PERMITTEE:
City of Sebring
c/o Smith J. Rudasill, Mayor

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SPECIFIC CONDITIONS:

17. The grade of the completed trash cells and lifts in addition to this final cover shall drain the surface runoff water to prevent uncontrolled ponding.
18. Solid waste disposal units which have been filled to design dimensions shall receive final cover as approved by the Department within 180 days after the final waste deposit or in accordance with the approved closure plan. The final cover shall be vegetated and maintained with drought resistant species to control erosion in accordance with F.A.C. Rule 62-701.600(5)(f) and (g).
19. All completed portions of the sanitary landfill which have received the final cover and at which no future vehicular traffic as anticipated shall be planted with grass or acceptable cover vegetation to minimize infiltration, erosion, and dust.
20. Top gradients of final cover on landfill areas shall be graded to maximize runoff and minimize erosion, thus preventing ponding or low spots.
21. Erosion control measures shall be employed to correct any erosion which exposes waste or causes malfunction of the storm water management system.
22. Pesticides used to control rodents, flies, and other insects shall be as specified by the Florida Department of Agriculture and Consumer Services (Chapter 5E-2, Florida Administrative Code), and be available on site for use as necessary.
23. Uncontrolled and unauthorized scavenging shall not be Permitted at the sanitary landfill site. Controlled salvaging may be Permitted by the local authority responsible for the facility.
24. No open burning is Permitted at the site.
25. The yard trash control facility and the immediate area thereof shall be maintained in a clean condition.
26. The site of operations shall be easily accessible by trucks and cars, with all-weather access roads maintained with commonly used practices to minimize dust.
27. Adequate fire control capabilities shall be available at all times.

PERMITTEE:
City of Sebring
c/o Smith J. Rudasill, Mayor

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Expiration Date: July 7, 2003

SPECIFIC CONDITIONS:

monitoring plan shall also be subject to the following conditions:

- a. The boundary of the zone of discharge shall be no more than one-hundred (100) feet from the solid waste disposal unit, or to the facility's property boundary, whichever is less. The vertical extent of the zone of discharge shall not extend beyond the clay strata of the upper Hawthorn Group.
- b. Sampling and analysis of groundwater from background monitoring well MW-4; and compliance wells MW-1, MW-2, MW-3, and MW-6, shall be performed three (3) times a year during the months of March, July, and November for the following parameters:

pH	Sodium	Bicarbonate
Groundwater Elevation	Chloride	Iron
Specific Conductance	Nitrate	Manganese
Total Dissolved Solids	Sulfate	Lead
Total Organic Carbon	Ammonia	Chromium

- c. Monitoring wells MW-1, MW-2, MW-3, MW-4, and MW-6 shall also be sampled biannually (every other year) during the month of November and analyzed for the following parameters:

Trichloroethylene	Ethylene Dibromide
Tetrachloroethylene	Trihalomethanes
Carbon Tetrachloride	Bis (2-ethylhexyl) phthalate
Vinyl Chloride	Butyl benzyl phthalate
1,1,1-Trichloroethane	Di-n-butyl phthalate

- d. Results of analysis shall be submitted to the Department prior to the end of the month following the sampling event (i.e. April, August, and December).
- e. If a compliance monitoring well detects groundwater contamination, the Department may require an assessment to determine the degree and extent of such contamination.
- f. If a monitoring well becomes damaged or inoperable, the permittee shall notify the Department within seven (7) days. Construction or plugging of monitoring wells shall be approved by the Department. Monitoring wells shall be clearly labeled and free of vegetation at all times.

PERMITTEE:
City of Sebring
c/o Smith J. Rudasill, Mayor

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Expiration Date: July 7, 2003

SPECIFIC CONDITIONS:

Note: In the event of an emergency the Permittee shall contact the Department by calling (850) 413-9911 or toll free 1 (800) 320-0519. During normal business hours, the Permittee shall call (941) 332-6975.

Issued this 7 day of July, 1998.

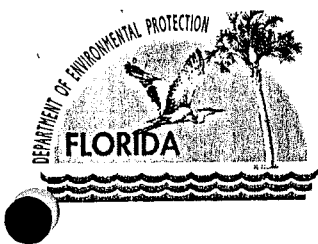
STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

David M. Highsmith

for

Margaret F. Highsmith
Director of
District Management

Enclosure
MFH/GM/vo



Department of Environmental Protection

Lawton Chiles
Governor

South District
2295 Victoria Avenue, Suite 364
Fort Myers, Florida 33901-3881

Virginia B. Wetherell
Secretary

SUBMERGED LANDS AND ENVIRONMENTAL RESOURCE PROGRAM

ENVIRONMENTAL RESOURCE PERMIT

CERTIFIED MAIL NO. Z 252 621 228
RETURN RECEIPT REQUESTED

PERMITTEE/AUTHORIZED ENTITY:

City of Sebring
368 S. Commerce Avenue
Sebring, FL 33870

AGENT:

Chastain-Skillman, Inc.
2702 Fairmount Drive
Sebring, FL 33870

Permit/Authorization Number:
28-0130384-001

Date of Issue:
July 27, 1998

Expiration Date of
Construction Phase:
July 27, 2003

County: Highlands
Project: City of Sebring
Class III Yard Trash Landfill
Vertical Expansion

This permit is issued under the authority of Part IV of Chapter 373, Florida Statutes (F.S.), and Title 62, Florida Administrative Code (F.A.C.). The activity is not exempt from the requirement to obtain a Environmental Resource Permit. Pursuant to Operating Agreements executed between the Department and the water management districts, as referenced in Chapter 62-113, F.A.C., the Department is responsible for reviewing and taking final agency action on this activity.

This permit also constitutes certification compliance with water quality standards under Section 404 of the Clean Water Act, 33 U.S.C. 1344.

The Title and Land Records Section, Department of Environmental Protection, has reviewed the location of the proposed project as described in the above referenced application and has determined that the project, as described, does not involve the use of sovereign submerged lands. Accordingly, no further authorization will be required from the Submerged Lands and environmental Resources Program, designated agent to the Board of Trustees of the Internal Improvement Trust Fund, pursuant to Chapter 253.77, F.S.

"Protect, Conserve and Manage Florida's Environment and Natural Resources"

Printed on recycled paper.

A copy of this authorization also has been sent to the U.S. Army Corps of Engineers (USACOE) for review. The USACOE may require a separate permit. Failure to obtain this authorization prior to construction could subject you to enforcement action by the USACOE. You are hereby advised that authorizations also may be required by other federal, state, and local entities. This authorization does **not** relieve you from the requirements to obtain all other required permits and authorizations.

The above named Permittee is hereby authorized to construct the work shown on the application and approved drawings, plans, and other documents attached hereto or on file with the Department and made a part hereof. **This permit is subject to the limits, conditions, and locations of work shown in the attached drawings, and is also subject to the attached 25 General and 9 Specific Conditions, which are a binding part of this permit.** You are advised to read and understand these drawings and conditions prior to commencing the authorized activities, and to ensure the work is conducted in conformance with all the terms, conditions, and drawings. If you are utilizing a contractor, the contractor also should read and understand these drawings and conditions prior to commencing the authorized activities. Failure to comply with all drawings and conditions shall constitute grounds for revocation of the permit and appropriate enforcement action.

The 8½" X 11" reduced drawing, "Modified Landfill Proposed Closure Contours", signed and sealed by W. R. Cautham, P.E., on February 20, 1998, is incorporated by reference and attached to this permit as Exhibit A1.

Operation of the facility is not authorized except when determined to be in conformance with all applicable rules and with the general and specific conditions of this permit/certification/authorization, as specifically described below.

ACTIVITY DESCRIPTION:

The project, as authorized by this permit, is to construct a surface water management system to serve an existing 14.63-acre Class III Yard Trash Landfill site which is part of the entire 58.24-acre property. Water quality treatment will be provided by retaining the 25-year, 24-hour design storm event, allowing no surface water discharge from the disposal area site at or below Elevation 108.45 Feet, NGVD. A discharge control structure (Concrete Flume) with a crest elevation of 108.45 Feet, NGVD, will allow a discharge rate lower than the pre-development rate

once stormwater levels in the detention area exceed the crest elevation. The detention area has a design bottom elevation of 107.50 Feet, NGVD, and a top-of-berm elevation, at the detention area, of 110.00 Feet, NGVD. The Wet Season Water Table was established at Elevation 106.50 Feet, NGVD. Construction of the surface water management system will include a combination perimeter berm and associated swale, detention area and discharge control structure. The property is located totally in uplands and there are no proposed impacts to wetlands. *

ACTIVITY LOCATION:

The activity entrance is located at the intersection of Cemetery Road and Schoolhouse Road, Sebring, FL, Highlands County, Section 21, Township 34 South, Range 29 East.

GENERAL CONDITIONS:

1. All activities shall be implemented as set forth in the plans, specifications and performance criteria as approved by this permit. Any deviation from the permitted activity and the conditions for undertaking that activity shall constitute a violation of this permit.

2. This permit or a copy thereof, complete with all conditions, attachments, exhibits, and modifications, shall be kept at the work site of the permitted activity. The complete permit shall be available for review at the work site upon request by Department staff. The permittee shall require the contractor to review the complete permit prior to commencement of the activity authorized by this permit.

3. Activities approved by this permit shall be conducted in a manner which does not cause violations of state water quality standards. The permittee shall implement best management practices for erosion and a pollution control to prevent violation of state water quality standards. Temporary erosion control shall be implemented prior to and during construction, and permanent control measures shall be completed within 7 days of any construction activity. Turbidity barriers shall be installed and maintained at all locations where the possibility of transferring suspended solids into the receiving waterbody exists due to the permitted work. Turbidity barriers shall remain in place at all locations until construction is completed and soils are stabilized and vegetation has been established. Thereafter the permittee shall be responsible for the removal of the barriers. The permittee shall correct any erosion or shoaling that causes adverse impacts to the water resources.

4. Water quality data for the water discharged from the permittee's property or into the surface waters of the state shall be submitted to the Department as required by the permit. Analyses shall be performed according to procedures outlined in the current edition of Standard Methods for the Examination of Water and Wastewater by the American Public Health Association or Methods for Chemical Analyses of Water and Wastes by the U.S. Environmental Protection Agency. If water quality data are required, the permittee shall provide data as required on volumes of water discharged, including total volume discharged during the days of sampling and total monthly volume discharged from the property or into surface waters of the state.

5. Department staff must be notified in advance of any proposed construction dewatering. If the dewatering activity is likely to result in offsite discharge or sediment transport into wetlands or surface waters, a written dewatering plan must either have been submitted and approved with the permit application or submitted to the Department as a permit prior to the dewatering event as a permit modification. The permittee is advised that the rules of the Southwest Florida Water Management District state that a water use permit may be required prior to any use exceeding the thresholds in Chapter 40D-2, F.A.C.

6. Stabilization measures shall be initiated for erosion and sediment control on disturbed areas as soon as practicable in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 7 days after the construction activity in that portion of the site has temporarily or permanently ceased.

7. Off site discharges during construction and development shall be made only through the facilities authorized by this permit. Water discharged from the project shall be through structures having a mechanism suitable for regulating upstream stages. Stages may be subject to operating schedules satisfactory to the Department.

8. The permittee shall complete construction of all aspects of the surface water management system, including wetland compensation (grading, mulching, planting), water quality treatment features, and discharge control facilities prior to beneficial occupancy or use of the development being served by this system.

9. The following shall be properly abandoned and/or removed in accordance with the applicable regulations:

a. Any existing wells in the path of construction shall be properly plugged and abandoned by a licensed well contractor.

b. Any existing septic tanks on site shall be abandoned at the beginning of construction.

c. Any existing fuel storage tanks and fuel pumps shall be removed at the beginning of construction.

10. All surface water management systems shall be operated to conserve water in order to maintain environmental quality and resource protection; to increase the efficiency of transport, application and use; to decrease waste; to minimize unnatural runoff from the property and to minimize dewatering of offsite property.

11. At least 48 hours prior to commencement of activity authorized by this permit, the permittee shall submit to the Department a written notification of commencement using an "Environmental Resource Permit Construction Commencement" notice (Form No. 62-343.900(3), F.A.C.) indicating the actual start date and the expected completion date.

12. Each phase or independent portion of the permitted system must be completed in accordance with the permitted plans and permit conditions prior to the occupation of the site or operation of site infrastructure located within the area served by that portion or phase of the system. Each phase or independent portion of the system must be completed in accordance with the permitted plans and permit conditions prior to transfer of responsibility for operation and maintenance of that phase or portion of the system to a local government or other responsible entity.

13. Within 30 days after completion of construction of the permitted activity, the permittee shall submit a written statement of completion and certification by a registered professional engineer or other appropriate individual as authorized by law, utilizing the required "Environmental Resource Permit As-Built Certification by a Registered Professional" (Form No. 62-343.900(5), F.A.C.), and "Request for Transfer of Environmental Resource Permit Construction Phase to Operation Phase" (Form 62-343.900(7), F.A.C.). Additionally, if deviations from the approved drawings are discovered during the certification process the certification must be accompanied by a copy of the approved permit drawings with deviations noted.

14. This permit is valid only for the specific processes, operations and designs indicated on the approved drawings or exhibits submitted in support of the permit application. Any substantial deviation from the approved drawings, exhibits, specifications or permit conditions, including construction within the total land area but outside the approved project area(s), may constitute grounds for revocation or enforcement

action by the Department, unless a modification has been applied for and approved. Examples of substantial deviations include excavation of ponds, ditches or sump areas deeper than shown on the approved plans.

15. The operation phase of this permit shall not become effective until the permittee has complied with the requirements of the conditions herein, the Department determines the system to be in compliance with the permitted plans, and the entity approved by the Department accepts responsibility for operation and maintenance of the system. The permit may not be transferred to the operation and maintenance entity approved by the Department until the operation phase of the permit becomes effective. Following inspection and approval of the permitted system by the Department, the permittee shall request transfer of the permit to the responsible operation and maintenance entity approved by the Department, if different from the permittee. Until a transfer is approved by the Department pursuant to Section 62-343.110(1)(d), F.A.C., the permittee shall be liable for compliance with the terms of the permit.

16. Should any other regulatory agency require changes to the permitted system, the Department shall be notified of the changes prior to implementation so that a determination can be made whether a permit modification is required.

17. This permit does not eliminate the necessity to obtain any required federal, state, local and special district authorizations including a determination of the proposed activities' compliance with the applicable comprehensive plan prior to the start of any activity approved by this permit.

18. This permit does not convey to the permittee or create in the permittee any property right, or any interest in real property, nor does it authorize any entrance upon or activities on property which is not owned or controlled by the permittee, or convey any rights or privileges other than those specified in the permit and Chapter 40D-4 or Chapter 40D-40, F.A.C.

19. The permittee is hereby advised that Section 253.77, F.S., states that a person may not commence any excavation, construction, or other activity involving the use of sovereign or other lands of the state, the title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund without obtaining the required lease, license, easement, or other form of consent authorizing the proposed use. Therefore, the permittee is responsible for obtaining any necessary authorizations from the Board of Trustees prior to commencing activity on sovereignty lands or other state-owned lands.

20. The permittee shall hold and save the Department harmless from any and all damages, claims, or liabilities which may arise by reason of the activities authorized by the permit or any use of the permitted system.

21. Any delineation of the extent of a wetland or other surface water submitted as part of the permit application, including plans or other supporting documentation, shall not be considered binding unless a specific condition of this permit or a formal determination under section 373.421(2), F.S., provides otherwise.

22. The permittee shall notify the Department in writing within 30 days of any sale, conveyance, or other transfer of ownership or control of the permitted system or the real property at which the permitted system is located. All transfers of ownership or transfers of a permit are subject to the requirements of section 62-343.130, F.A.C. The permittee transferring the permit shall remain liable for any corrective actions that may be required as a result of any permit violations prior to such sale, conveyance or other transfer.

23. Upon reasonable notice to the permittee, Department authorized staff with proper identification shall have permission to enter, inspect, sample and test the system to insure conformity with Department rules, regulations and conditions of the permits.

24. If historical or archaeological artifacts are discovered at any time on the project site, the permittee shall immediately notify the Department and the Florida Department of State, Division of Historical Resources.

25. The permittee shall immediately notify the Department in writing of any previously submitted information that is later discovered to be inaccurate.

SPECIFIC CONDITIONS:

1. Discharge Facility [Retention/Detention System (Discharge of stormwater only from 25-year, 24-hour, or greater, design storm events - No bleed-down devise)]:

1 - Discharge Control Structure: 12-foot wide concrete flume (weir), including aluminum baffle, with the weir crest set at Elevation 108.45 Feet, NGVD.

Receiving Body: Adjacent property to east and eventually to Arbuckle Creek (approximately six miles away).

Wet Season Water Table Elevation: 106.50 Feet, NGVD.

Existing Ground Elevation: Varies from 130± to 105± Feet, NGVD.

2. The work authorized under this permit is limited to the 14.63-acre landfill project area.

3. As presented in the permit application and supporting documents, the operation entity shall be the City of Sebring which has satisfied that portion of General Condition No. 15 of this permit pertaining to the operation and maintenance entity. Therefore, operation of the permitted activity shall be the responsibility of the City of Sebring.

4. A stable, permanent and accessible elevation reference (benchmark) shall be established on or within one hundred (100) feet of the permitted discharge structure no later than the submission of the statement of completion and certification. The location of the elevation reference must be noted on or with the certification statement.

5. The Department reserves the right to require that additional water quality treatment methods be incorporated into the permitted activity if such measures are shown to be necessary.

6. When the duration of construction exceeds one year, construction status reports shall be submitted to the Department of Environmental Protection, South District, on an annual basis (via the annual status report or equivalent) beginning one year after the initial commencement of construction.

7. Berm side slopes shall be no steeper than 4:1 (horizontal:vertical). Berms shall be stabilized to control erosion and shall be initiated as soon as practicable where construction activities have temporarily or permanently ceased. All landfill perimeter swale slopes, berm side slopes, top of berms and swale bottoms shall be sodded. The detention area bottom shall be grassed and mulched.

8. Unless modified otherwise, the duration of the construction phase of this permit shall be five (5) years from the date of issue shown on the face of this permit. ✓

9. All required submittals such as certifications, monitoring reports, notifications, etc., shall be submitted to the Florida Department of Environmental Protection, South District Office, 2295 Victoria Avenue, Suite 364, Fort Myers, FL

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33901. All submittals shall include the project name and indicated permit number when referring to this project.

RIGHTS OF AFFECTED PARTIES

The Department hereby grants the environmental resource permit with the attached conditions unless a timely petition for an administrative proceeding (hearing) is filed pursuant to the provisions of Section 120.57, F.S., and Chapter 62-103, F.A.C., or unless all parties reach a written agreement on mediation as an alternative remedy under Section 120.573, F.S., before the deadline for filing a petition. Choosing mediation will not adversely affect the right to a hearing if mediation does not result in a settlement. The procedures for petitioning for a hearing are set forth below, followed by the procedures for pursuing mediation.

A person whose substantial interests are affected by the Department's permitting decision (action) may petition for an administrative hearing in accordance with 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, Mail Station 35
Department of Environmental Protection
3900 Commonwealth Boulevard
Tallahassee, Florida 32399-3000

within fourteen (14) days from the date of receipt of this permit. A Petitioner must mail a copy of the petition to the Permittee at the address indicated above, at the time of filing. The failure of any person to file a petition (or a request for mediation, as discussed below) within the allowed time frame 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 will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-5.207, F.A.C.

A petition must contain the following information:

(a) The name, address, and telephone number of each Petitioner, the Permittee's name and address, the Department Permit 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 the material facts disputed by the Petitioner, if any;

(e) A statement of the facts that the Petitioner contends warrant reversal or modification of the Department's action or proposed action;

(f) A statement identifying the rules or statutes that 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 that the Petitioner wants the Department to take with respect to the action or proposed action addressed in this permit.

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 permit. Persons whose substantial interests will be affected by any such final decision of the Department on the permit have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Any person may elect to pursue mediation by reaching a mediation agreement with all parties to the proceeding (which include the Permittee, the Department, and any person who has filed a timely and sufficient petition for a hearing) and by showing how the substantial interests of each mediating party are affected by the Department's action or proposed action. The agreement must be filed in (received by) the Office of General Counsel of the Department at the above address by the same deadline as set forth above for the filing of a petition.

The agreement to mediate must include the following:

(a) The names, addresses, and telephone numbers of any persons who may attend the mediation;

(b) The name, address, and telephone number of the mediator selected by the parties, or a provision for selecting a mediator within a specified time;

(c) The agreed allocation of the costs and fees associated with the mediation;

(d) The agreement of the parties on the confidentiality of discussions and documents introduced during mediation;

(e) The date, time, and place of the first mediation session, or a deadline for holding the first session, if no mediator has yet been selected;

(f) The name of each party's representative who shall have authority to settle or recommend settlement;

(g) Either an explanation of how the substantial interests of each mediating party will be affected by the action or proposed action addressed in this permit or a statement clearly identifying the petition for hearing that each party has already filed, and incorporating it by reference; and

(h) The signatures of all parties or their authorized representatives.

As provided in Section 120.573, F.S., the timely agreement of all parties to mediate will toll the time limitations imposed by Sections 120.569 and 120.57, F.S., for requesting and holding an administrative hearing. Unless otherwise agreed by the parties, the mediation must be concluded within sixty (60) days from the date of execution of the agreement.

If mediation results in settlement of the administrative dispute, the Department must enter a Final Order incorporating the agreement of the parties. Persons whose substantial interests will be affected by such a modified final decision of the Department have a right to petition for a hearing only in accordance with the requirements for such petitions set forth above, and must therefore file their petitions by the same deadline as set forth above for the filing of a petition.

If mediation terminates without settlement of the dispute, the Department shall notify all parties in writing that the administrative hearing processes under Sections 120.569 and 120.57, F.S., remain available for disposition of the dispute, and the notice will specify the deadlines that then will apply for challenging the agency action and electing remedies under those two statutes.

This permit constitutes final agency action unless a petition or a request for mediation is filed in accordance with the above paragraphs, or unless a request for extension of time in which to file a petition is filed within the time specified

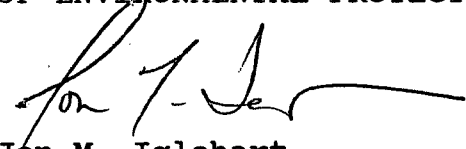
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for filing a petition and conforms to Rule 62-103.070, F.A.C. Upon timely filing of a petition, a request for mediation, or a request for an extension of time this permit will not be effective until further Order of the Department.

When the Order is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, F.S., by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the clerk of the Department in the Office of General Counsel, Mail Station 35, at 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000; and by filing a copy with the appropriate District Court of Appeal. The Notice of Appeal must be filed within thirty (30) days from the date the Order is filed with the clerk of the Department.

Executed in Fort Myers, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Jon M. Iglehart
Environmental Administrator
Submerged Lands and
Environmental Resources Program

JMI/JDM/jdm

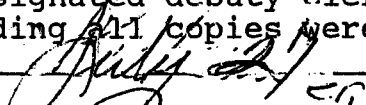
1 page attached: Exhibit A1

Copies furnished to:

U. S. Army Corps of Engineers, Fort Myers
Highlands County Property Appraiser

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this permit, including all copies were mailed before the close of business on July 27, 1998, to the above listed persons.



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Permit No. 28-0130384-001
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FILING AND ACKNOWLEDGMENT

FILED, on this date, pursuant to Section 120.52(9),
F.S., with the designated Department clerk,
receipt of which is hereby acknowledged.

E. Richardson
Clerk

07/27/98
Date



Jeb Bush
Governor

Department of Environmental Protection

South District
P.O. Box 2549
Fort Myers, Florida 33902-2549

David B. Struhs
Secretary

July 11, 2002

✓ Copy: Mayor
Council
City Clerk
Solid Waste Dept
Water Div
WWTP Supt
Kris Koye

City of Sebring
c/o Robert H. Hoffman, City Administrator
368 South Commerce Avenue
Sebring, Florida 33870

Re: Highlands County - SW
City of Sebring Class III
Yard Trash Landfill
Minor Modification to
Operation Permit No. 0038558-001-SO/T3
Permit Date of Issue: July 7, 1998

Note To Manty: Can
you check on any
use for these wells?

Dear Mr. Hoffman:

The Department has reviewed your request for a Minor Modification to the Operation Permit 0038558-001-SO/T3 to discontinue groundwater monitoring as outlined in Specific Condition 35. The request is hereby approved, and Specific Condition 35 is modified to read as follows:

35. The Permittee has satisfied groundwater monitoring requirements to comply with the criteria set forth in Florida Administrative Code (F.A.C.) Rules 62-701 and 62-522; therefore, monitoring is no longer required and may be discontinued. Termination of groundwater monitoring shall be subject to the following conditions:
- All groundwater monitoring wells (MW-1 through MW-9) shall be properly plugged and abandoned in accordance with state and local government requirements.
 - Documentation of proper well abandonment shall be provided to the Department within 180 days of this Minor Modification, unless a request for an extension of time is submitted.
 - If, for any reason, the Permittee intends to maintain any of the wells for a purpose other than the groundwater monitoring previously required by this Permit, a written request shall be submitted. Sufficient information and justification for not abandoning any monitoring well must be provided with such request.

Please attach this modification to Operation Permit 0038558-001-SO/T3 as this becomes part of that permit. All other conditions of the permit will remain the same.

Should you have any questions concerning this matter, please contact Jeffrey G. Gould, P.G. at (239) 332-6975.

Sincerely,

Philip A. Barbaccia
Environmental Administrator

RWC/JGG/se

cc: Ghaus Minhaj, FDEP
Bill Krumbholz, FDEP



Jeb Bush
Governor

Department of Environmental Protection

South District
P.O. Box 2549
Fort Myers, Florida 33902-2549

David B. Struhs
Secretary

December 16, 2002

City of Sebring
c/o Robert H. Hoffman, City Administrator
368 South Commerce Avenue
Sebring, Florida 33870

*Copy: Ron Cauter
Mandy Repton
Dan Stroup*

Re: Highlands County - SW
City of Sebring Class III
Yard Trash Landfill
Minor Modification to
Operation Permit No. 0038558-001-SO/T3
Permit Date of Issue: July 7, 1998
Monitoring Well Abandonment

Dear Mr. Hoffman:

Thank you for providing documentation that all groundwater monitoring wells at the referenced site have been properly plugged and abandoned in accordance with the Minor Modification dated July 11, 2002 to the Operation Permit.

The purpose of this letter is to confirm that Specific Condition 35 has been performed and completed to the satisfaction of the Department. Consequently, groundwater monitoring is considered terminated and no further action with regard to this Minor Modification is necessary.

We greatly appreciate the diligence and cooperation from Mr. Dan Stroup, Superintendent of the City's Wastewater Treatment, during groundwater monitoring of the site and plugging of the wells. If you have any questions concerning this letter, please contact Jeffrey G. Gould, P.G. at (239) 332-6975, extension 156. Your attention in this matter has also been appreciated.

Sincerely,

Philip A. Barbaccia
Environmental Administrator

PAB/JGG/se

cc: Ghaus Minhaj, FDEP
Bill Krumbholz, FDEP
Robert Stewart, FDEP

"More Protection, Less Process"

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