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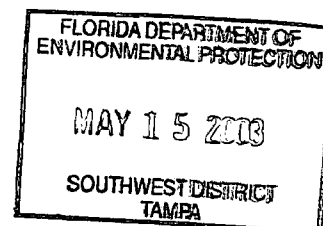
**Operation Plan
Southeast County Landfill,
Phases I-VI and
Section 7 Capacity Expansion
Hillsborough County, Florida**



SCS ENGINEERS

Prepared for:

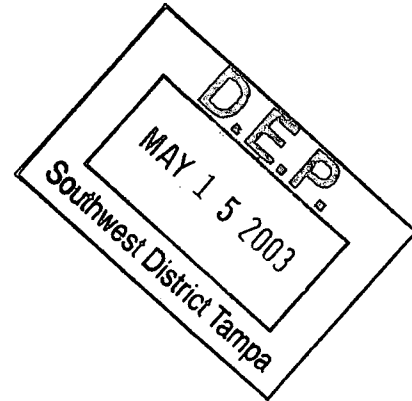
Hillsborough County
Solid Waste Management Department
P.O. Box 1110
Tampa, Florida 33601
(813) 276-5680



Prepared by:

SCS Engineers
3012 U.S. Highway 301 N., Suite 700
Tampa, Florida 33619
(813) 621-0080

File No. 09200020.13
May 12, 2003



SOUTHEAST COUNTY LANDFILL
OPERATION PLAN
PHASES I-VI AND SECTION 7 CAPACITY EXPANSION
HILLSBOROUGH COUNTY, FLORIDA

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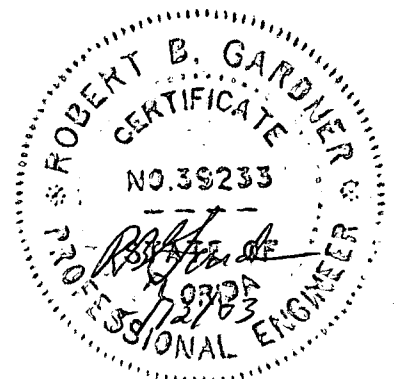


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SECTION L

The Southeast County Landfill Facility (SCLF) includes the Southeast County Landfill Phases I-VI and the Capacity Expansion Area, which encompasses 147 acres in 10 sections (7 through 17). This Operations Plan includes Phases I-VI and Section 7 of the Capacity Expansion Area.

The SCLF is the final depository for municipal solid waste (MSW) ash residues, non-processables, and bypass wastes from the Solid Waste Management System of Unincorporated Hillsborough County. The SCLF also receives solid waste from the cities of Temple Terrace and Tampa, as well as MSW ash residues and bypass wastes from the Waste-to-Energy Incinerator Facility of the City of Tampa. Hazardous waste will not be accepted at the SCLF.

This operations plan was prepared in conjunction with an operation permit application for the SCLF. Therefore, the format follows the requirements of Part L (formerly Part K) of the permit application form.

L.1 TRAINING

In accordance with Rule 62-701.500(1), Florida Administrative Code (FAC), key supervisory staff have received Landfill Operator Certification training. Operator training includes a 24-hour initial course and 16 hours of continuing education every 3 years. Spotter training includes an 8-hour initial course and 4 hours of continuing education every three years. Operator and Spotter training courses will be attended as offered by the University of Florida Center for Training, Research and Education for Environmental Occupations (TREEO) and through other FDEP approved sources. A listing of TREEO training courses and schedule is available at www.treeo.ufl.edu and as presented in Appendix A.

As required by Rule 62-701.500(1), FAC, a certified Landfill Operator will be on site when waste is received for disposal at the landfill, and a trained spotter will be on site during all times when waste is deposited at the landfill working face to detect any unauthorized wastes. In addition, the equipment operators have sufficient training and knowledge to move waste and soil, and to develop the site in accordance with the design and operational standards described in the operation permit application.

L.2 LANDFILL OPERATION PLAN

L.2.a SWMD Organization and Responsibilities

Hillsborough County owns the SCLF and is the applicant for the operation permit. A Landfill Contractor (Contractor) will operate and maintain the SCLF pursuant to the permit conditions under the contract that exists between the County and the Contractor.

The Hillsborough County Solid Waste Management Department (SWMD) and Contractor personnel currently responsible for the operations are:

- Meredith Matthews, Senior Engineering Technician (SWMD)
- Ernest Ely, District Landfill Manager (Contractor)

In addition to the above, the following positions are maintained: scale house clerks (SWMD), waste monitors (SWMD), equipment operators (Contractor), spotters (Contractor), laborers (Contractor), security personnel (Contractor), and mechanic (Contractor). At least one trained operator familiar with the landfill operations will be on site at all times while the SCLF is open in accordance with Rules 62-701.320(15) and 62-701.500(1), FAC.

L.2.b Contingency Plan

The contingency plan is based upon addressing two potential emergencies. These are:

- Equipment failure.
- Large influx of material resulting from a natural disaster such as a hurricane, fire, or from a breakdown at local resource recovery facilities.

Sufficient backup equipment will be provided on site for equipment breakdowns and downtime for normal routine equipment maintenance. In the case of failure of the primary and backup major equipment (i.e., landfill compactor or bulldozer), the following procedures will be followed:

- Prearrangements with contractors and rental equipment dealers are in place to furnish rental equipment on a short-term notice (Appendix B).
- Prearrangements with other County agencies to furnish equipment will be established.

The Contractor will be responsible to provide equipment and a working force of adequate size and skills to maintain the landfill operation in compliance with all applicable federal, state, and local regulations. In cases where sufficient local personnel are not available, the Contractor will relocate from other facilities sufficient personnel with the proper skills to maintain operations.

Hillsborough County's existing Comprehensive Emergency Management Plan provides policies and procedures necessary to prepare and respond to natural disasters (Appendix C). Under an unforeseen condition of a large influx of waste, the same procedures discussed above would also apply. However, in a natural disaster other heavy equipment may not be available. Given that a large volume of wastes requiring disposal from a natural disaster is non-putrescible, it can be stored on site temporarily and landfilled after the state of emergency has ended.

In the case of a large fire, bomb threat, or other unforeseen condition requiring specialized emergency response personnel, 911 will be called for the local Fire Department or Sheriff Department. Waste handling will be suspended and the affected area will be evacuated, if necessary. The landfill will be temporarily closed until the responding Department determines that the landfill is safe for re-entry. If the SCLF will remain closed for more than 48 hours, the incoming waste will be diverted to an alternate facility in an adjacent County.

In case of an accidental spill of oil, fuel, leachate, or chemicals, the spill will be minimized by controlling the source immediately (e.g., by closing valve, turning-off switch, or taking any other necessary action). The affected area will be controlled by diverting vehicular traffic. Runoff from the affected area will be controlled by building a berm, plugging drain or ditch, or adding absorbent material. The affected area will be cleaned, and the effectiveness of the cleanup confirmed by sampling, as needed depending on the nature of the spilled material. For spill countermeasures of secondary containment at the Leachate Treatment and Reclamation Facility (LTRF) refer to Section 7.1 of the Leachate Monitoring Plan (LMP).

L.2.c Waste Type Control

The automated accounting system, clerks at the scalehouse, and the site security fence help discourage unauthorized entry and uncontrolled disposal of unauthorized waste. A sign located at the entrance states the general regulations including the types of prohibited solid waste.

A minimum of three random load inspections of solid waste per week will be conducted at the active landfill (See Section L.6 and Appendix D). As an additional control, the SWMD has one waste monitor and the Contractor has at least one trained spotter at the working face to visually inspect each load of waste as it is unloaded and deposited. If any unauthorized special waste (i.e., lead-acid batteries, used oil, yard trash, white goods, and whole tires) is found at the working face, as part of routine operations, the waste will be segregated and removed from the site for recycling or other processing in accordance with FDEP regulations. Items that may contain liquids or gases will be stored upright, undamaged, and in a container as appropriate. The maximum on-site storage for each working face will be as follows:

- 30 batteries in a secondary containment covered tray.
- 20 gallons of used oil placed upright in undamaged container.
- 40 cubic yards (cy) yard trash in one 40 cy roll-off container.
- 50 white goods, and lawnmowers, will be placed upright until all liquids, CFC's, and freon are removed.
- Scrap metal in two 40 cy roll-off containers.

These special wastes will be stored adjacent to the working face and removed from the site within 30 days.

Whole tires will be shredded on-site and may be used as initial cover. Lead-acid batteries will be collected by the SWMD's contracted battery recycler. Scrap metal, including white goods and lawnmowers, will be collected and processed by the SWMD's metals recycling contractor. Propane tanks will be collected by the recycling contractor. Used-oil and yard trash will be rejected, required to be reloaded, and directed to be taken to the South County Transfer Station.

If unauthorized waste (i.e., hazardous, PCBs, untreated biomedical, or free liquid) are found at the working face, the waste will be isolated and the landfill manager will be immediately notified. The landfill manager is trained in the proper procedure to follow including notification to the FDEP. Similarly, if suspect waste is found, the waste will be isolated and the landfill manager notified. The landfill manager will prepare a suspect waste report and ensure that the waste is properly managed (Appendix D). If hazardous wastes are found, the FDEP will be notified immediately and the waste will be isolated and restricted from access until it is removed from the landfill by a qualified hazardous waste contractor. Hazardous wastes will be removed from the SCLF within 24 hours.

L.2.c.(1) Special Waste

The SWMD has established policies, procedures, and guidelines for the management of special waste to comply with Federal, State, and Local Regulations for the purpose of minimizing risks to the environment, public health, and employees by non-hazardous and unregulated waste. Appendix E presents the SWMD Special Waste Program, which includes guidelines and procedures for the acceptance and evaluation of special waste. Appendix E presents the current policies and management procedures for asbestos, empty containers, ash, soil, poly-chlorinated bi-phenols (PCBs), tires, industrial waste, yard waste, chemical waste, used motor oil, construction and demolition debris, white goods, waste tires, household batteries, other batteries, paint, bio-hazardous, and household hazardous waste. The objectives of the special waste program are to:

- Preclude the entry and disposal of hazardous waste into the SCLF.
- Preclude leachate developing hazardous waste characteristics.
- Protect the landfill liner.
- Prevent objectionable odors from becoming a problem.
- Insure that delivered materials can be handled safely.

L.2.c.(2) Motor Vehicles

Motor vehicle bodies will be accepted for disposal in the landfill at the active working face if they cannot be recycled. Before landfilling all fluids and batteries will be removed from the vehicles and they will be compacted to minimize voids in the landfill.

L.2.c.(3) Shredded Waste

The SCLF will accept shredded tires from the on-site tire shredding facility. The SWMD uses shredded tires for initial cover. Shredded tires have been an effective initial cover for controlling disease, vectors, odors, litter, and scavenging. This practice benefits the County by conserving valuable landfill space and recycling materials.

L.2.c.(4) Asbestos Waste

Asbestos waste will be accepted at SCLF. The entire footprint of Phases I-VI and Section 7 will be designated as an asbestos disposal area. Prior to landfilling the material must be wetted and placed in a leak tight wrapping. The bags will be placed in a prepared trench at the working face. Materials such as transite paneling and pipe insulation must be wrapped sufficiently as to maintain its integrity during disposal. After placement the bags will be immediately covered with 6-inches of asbestos free material (i.e., soil or select waste without large or sharp objects that may damage the asbestos packaging). Copies of the asbestos waste shipment records, which comply with 40 CFR 61-Subpart M, will be maintained on-site.

L.2.d Weighing Incoming Waste

All incoming waste will be weighed prior to disposal in the landfill. The existing scales are fully automated and computerized with the capability for data storage and retrieval for daily record keeping and reporting. All customers are issued receipts upon exiting the SCLF.

L.2.e Vehicle Traffic Control

The area of the working face is the most equipment-intensive area of operation for the SCLF. In this area, solid waste transportation vehicles arrive, turn around, back up to the working face, and unload the solid waste. Landfill operation equipment will continually spread and compact the solid waste as it is received. During normal operating conditions, only one working face will be active at any given time, with the solid waste at all other areas within the landfill secured by a minimum of six inches of initial cover. The working face will move in alternating months from Phases I-VI to Section 7. However, during the initial placement of selected waste in Section 7 Lift 1A, a temporary working face will be maintained at Phases I-VI for the placement of large rigid objects and construction demolition debris.

The approach to the working face will be maintained in an accessible condition such that two or more vehicles may safely unload simultaneously side by side. Upon completion of the unloading operation, the vehicles will immediately leave the working face area. Entrance and exit haul roads will be provided (both temporary and permanent) and maintained to facilitate unloading operations in the future. Contractor personnel will direct traffic as necessary to expedite safe movement of vehicles and to ensure that all waste transport vehicles dump within the designated area.

L.2.f Method and Sequence of Filling Waste

L.2.f.(1) Phases I-VI

Each phase will be landfilled as shown in the Operating Sequence Plans. The lifts in each of the several Phases are shown on one sheet to minimize the number of sheets, but each lift is independent from the others.

One working face approximately 150 feet wide will be maintained, which should be adequate for the anticipated traffic maneuvering during waste fill operations. Typical lifts consist of two lifts 8 to 10 feet high, to reach a maximum of 20 feet high including daily and intermediate cover. Because of the Phases I-VI phosphatic clay liner stability, at no time shall a lift exceed the maximum 20-foot height around the perimeter crest of the landfill.

Solid waste has been placed in Phases I through VI. The cells will be placed as shown on the operating sequence drawings and will be filled moving from west to east across Phase I to the line dividing Phase I from Phase II. Phase II will be filled beginning in the west side of Phase II proceeding from west to east across Phase II to the line dividing Phase II from Phase III. The filling of cells in Phase III will begin in the east side of Phase III proceeding from east to west across Phase III to the line dividing Phase III from Phases I, IV, V and VI.

The cells in Phase IV will be filled from the center of the site (east side of Phase IV) against Phases I and III, proceeding from east to west across Phase IV to the western perimeter of the landfill. The filling of cells in Phases V and VI will proceed in a counterclockwise direction from the northeast corner against Phase III around across Phases V and VI to the southwest corner of the landfill against Phase I. Filling plans in accordance with the sequence drawings will be prepared by the Contractor 45 days prior to the development of a new lift. Subsequently, grades for the new lift will be set on grade stakes by a registered engineer, land-surveyor, or by an authorized agent.

L.2.f.(2) Section 7 Capacity Expansion

The proposed filling sequence for Section 7 is presented in the Section 7 Operating Sequence drawings prepared by SCS. A separation berm divides Section 7 into two fill areas to facilitate the collection and handling of stormwater separate from leachate from each area. During waste filling in Lifts 1A through 2B, the LCRS separation valve will be closed and the stormwater on the eastern side of the interior separation berm will be pumped to the stormwater Basin C. Prior to filling in Lift 2C, the LCRS separation valve will be opened and all the liquid within Section 7 will be managed as leachate. Crest elevations noted below refer to the elevation of the refuse at the break in slope around the perimeter of the site. Ridge elevations refer to the maximum elevation achieved during a given lift.

In general, filling will begin in the northwest corner in (Lift 1A) and move southwest toward Lift 1B. A temporary haul road will be constructed leading from the existing paved road at the south of the capacity expansion area to Lift 1A. Access roads leading to the actual working face will be temporary and will be modified as filling progresses. Initial waste placement will proceed in a generally west-to-east direction, creating a mound with sideslopes no steeper than three feet horizontal to one foot vertical (3H:1V). Typically, the working face will be approximately 150 feet wide, which will be adequate for the anticipated traffic maneuvering during waste filling operations. Daily lifts of waste will be no thicker than 8 to 12 feet, including cover soils.

Waste placement will continue in a back-and-forth pattern in Lifts 1A through 1B until the waste reaches an approximate ridge elevation of 159 feet NGVD. Filling will continue in a similar pattern for Lifts 2A and 2B beginning at the southwest corner of Section 7 and progressing towards the northeast. Once Lifts 1A through 2B are filled to the crest height of approximate elevation 160 feet NGVD, waste placement will continue in Lift 2C. The LCRS separation valve will be opened prior to the beginning of Lift 2C. Lifts 2C through 2F will overlap onto the eastern slopes of Lifts 1A through 2B. Filling will proceed in a similar pattern as Lifts 1A-2B to reach an approximate crest elevation of 160 feet NGVD. Vehicle traffic will continue to access the landfill by the temporary haul road previously constructed.

Waste filling will continue in a similar pattern for Lifts 3A and 3B until the waste reaches a crest elevation of 190 feet NGVD. The final Lift 3B consists of waste filling on the top area of Section 7 and will be constructed with a slope of 20H:1V (5 percent) from elevation 190 to 197 feet NGVD.

L.2.g Waste Compaction and Application of Cover

Waste will be placed at the top or bottom of the working face and spread toward the bottom or top, respectively. Waste will be spread in approximately 2-foot thick layers and compacted with a minimum of three to five passes of the landfill compactor. The spreading and compacting is intended to be a continuous operation. A minimum in-place waste density of 1,000 pounds/cubic yard (lb/cy) will be achieved.

A minimum of six inches of compacted initial cover will be placed over the waste at the end of each operation day. Before moving the working face between landfills (i.e., monthly), the area that will remain inactive will be covered with compacted initial cover, soil or a mixture of 50 percent unscreened wood mulch and 50 percent soil (no ash), with sufficient thickness (minimum 6-inches) to prevent erosion and the mixing of leachate with stormwater. A minimum of one foot in depth intermediate cover, in addition to the six-inch initial cover, will be applied and maintained within seven days of cell completion if additional solid waste will not be deposited within 180 days of cell completion.

When landfilling operations begin again in areas with intermediate cover, the intermediate cover (free of waste) will be stripped from the surface (upper twelve inches) and reused over other areas needing intermediate cover. The stripped intermediate cover will be pushed ahead and used as perimeter berms around the active working face area. The intermediate areas are graded to promote drainage (minimum 2 percent slope) and seeded to prevent erosion.

L.2.h Operation of Leachate, Gas and Stormwater Controls

See Sections L.8, L.9, and L.10 for each, respectively.

L.2.i Water Quality Monitoring

Groundwater and surface water monitoring is included in the Groundwater Monitoring Plan Section 2. Leachate monitoring is included in the LMP (Section 6.2 for Phases I-VI) and in the Operation Plan (Section L.8.a for Section 7). Effluent and biosolids monitoring is included in the LMP Sections 6.3 and 6.4.

L.2.j Leachate Collection and Removal System Maintenance

See Section L.8.b.

L.3 OPERATING RECORD

The operating record will be maintained on site in the administration building or at the SWMD office. The operating record will be accessible to the SCLF operation personnel and will be available for inspection by FDEP. The records include:

- Waste Reports
- Operation Permits
- Construction and closure permits including any modifications
- Monitoring results, such as water quality testing
- Notifications to FDEP
- Engineering drawings
- Training certifications as required by Chapter 62-701.320(15), FAC

L.4 WASTE RECORDS

The amount of solid waste received at the landfill will be weighed and recorded in tons per day in accordance with Rule 62-701.500(4), FAC. Waste reports will be compiled monthly and kept onsite with the operating record. Waste will be listed by the following types and the amount of tons received will be recorded:

- Processable, to include:
 - Household waste
 - Treated biomedical waste
- Non-processable, to include:
 - Industrial waste
 - Industrial sludge
 - Air/water treatment sludge
 - Commercial waste
 - Incinerator by-pass waste
 - Agricultural waste
- Ash
- Waste tires
- Construction and demolition debris
- Asbestos
- Yard trash

All records will be retained at the SWMD administration office. Report types include daily, month-to-date and year-to-date totals of waste received from the various haulers. The records will be available to the FDEP for review.

L.5 ACCESS CONTROLS

The perimeter fence and berms around the SCLF serve to prevent the entry of livestock, protect the public from exposure to potential health and safety hazards, and discourage unauthorized entry or uncontrolled disposal of unauthorized materials. No trespassing signs are also posted along the perimeter fence. The SWMD and Contractor personnel will inspect the premises on a daily basis. The gate at the SCLF entrance and all other gates will be kept locked at all times the landfill is closed, and the Contractor will provide security personnel to guard the SCLF during non-operating hours.

L.6 LOAD CHECKING PROGRAM

The SWMD has an established random load checking program as referenced in Section L.2.c, to detect and prevent disposal of unauthorized wastes into the landfill. In addition, site access control discourages the disposal of unauthorized and hazardous wastes. A sign is located at the entrance of the SCLF that explains the types of waste prohibited at the landfill.

In accordance with Rule 62-701.500(6)(a), FAC, a minimum of three random loads will be checked at the active working face(s) each week. The selected driver will be directed to discharge his/her load at a designated location adjacent to the working face. If any unauthorized special waste (i.e., lead-acid batteries, used oil, yard trash, white goods, and whole tires) is found by the random inspection, or as part of routine operations, the waste will be segregated and removed from the site for recycling as described in Section L.2.c. These special wastes will be stored adjacent to the working face and removed from the site within 30 days.

If an unauthorized waste (i.e., hazardous, PCBs, untreated biomedical, or free liquid) is found, the generator of the waste, if known by the driver, will be contacted to determine the waste source. Either the hauling company or the generator will be directed to remove the unauthorized waste. The random load inspections will be documented on a report form which includes the date and time, name of the hauling company and the driver of the vehicle, the vehicle license number, the source of the waste or generator, and any observations or notes made by the inspector (Appendix D). **The inspector will identify and note all unauthorized waste found during the random load inspection, estimated quantity, and the action taken. The inspector will sign the inspection form that will be retained at the SCLF.**

In the event the waste owner cannot be identified, the waste will be evaluated by Contractor personnel in charge. The waste will be isolated, contained, and will not be moved until it has been determined that the waste is acceptable. In the event it is determined that the waste is not suitable for disposal, the SWMD will be notified for additional assessment and testing of the waste. Subsequently, a record of the decision will be placed into the daily operations file for the SCLF.

If any regulated hazardous waste is discovered in a random load check or is identified by an operator or spotter to be disposed, the landfill manager and the FDEP will be notified immediately, as well as the generator or hauler, if known. The landfill manager is trained in the proper procedure to follow including notifications. If generator or hauler is not known, then the SWMD will be responsible for the disposal of the hazardous waste at a properly permitted facility. The hazardous waste will be isolated and restricted from access until it is removed from the landfill by a qualified hazardous waste contractor. Hazardous wastes will be removed from the site within 24 hours.

As required in Rule 62-701.320(15), FAC, inspectors, scale house attendants, equipment operators, and landfill spotters will receive training in the identification of unacceptable wastes and hazardous wastes. Available training courses are presented in Appendix A.

L.7 SPREADING AND COMPACTING WASTE

All incoming loads into the SCLF, including small volume unloading containers, will be delivered to the working face on a daily basis. In order to preserve the prepared base area, and to protect the integrity of the leachate collection system and liner of new disposal areas, traffic directly on the chipped tires of the drainage layer will be prohibited and all traffic will maneuver on the compacted and covered waste. Therefore, the initial lift of all new disposal areas will be accessed by vehicles from the top of the working face. The waste will be spread and compacted from the top, keeping all heavy equipment off the prepared base.

For all subsequent lifts, the waste placement will vary depending on field conditions. Some lifts will be built from the bottom of the active working face, and at the discretion of the operator, waste also will be placed from the top of the active working face and spread toward the bottom. Waste will be placed against the covered working face of the previous day's waste. The first cell will act as a means of access and a berm to provide a guide for the placement of waste for the remaining cells. For waste compaction, see Section L.2.g.

The following guidelines will provide an efficient and environmentally sound method of operation for the SCLF.

- Portable litter fencing will be placed at the working face where needed to reduce windblown litter.
- Cracks or eroded sections in the surface of any filled and covered area will be repaired and a regular maintenance program will be followed to eliminate pockets or depressions that may develop as waste settles.
- If 12 inches of intermediate cover (free of waste) has been placed over a partially filled area, it will be removed, reused, and stockpiled for later use prior to the placement of a new lift.
- Tire chips, ash residue from incinerated municipal solid waste (MSW), tarps, soil, or a mixture of soil/mulch may be used for initial cover. Stormwater runoff will not be allowed from waste filled areas covered with tire chips, ash, or tarp. Runoff from outside of the bermed working face area will be considered stormwater only if the flow passes over areas that have no exposed waste and have been adequately covered with at least 6 inches of compacted soil (or a mixture of soil/mulch), free of waste and stabilized to control erosion.
- Sufficient cover material will be stockpiled near the working face to provide an adequate supply for initial cover operations. In some areas, daily stockpiling may not be necessary because of the proximity of the borrow area.

L.7.a Waste Layer Thickness and Compaction Frequencies

Landfill personnel will direct all incoming waste to be unloaded at the toe or top of the working face. Waste will be spread in layers of approximately two feet in thickness and compacted with a minimum of three to five passes of the landfill compactors. The spreading and compacting is intended to be a continuous operation and waste will not be placed in a layer until the previous layer is compacted.

L.7.b First Layer Thickness

For Phases I-VI, the initial waste layer has been placed. In order to protect the integrity of the leachate collection system of the landfill, traffic and heavy equipment directly on the sand drainage layer was not allowed.

For Section 7, the procedure for filling and compacting the first layer of waste will protect the integrity of the liner and leachate collection system. Traffic directly on the chipped tires will be prohibited, and the first lift will be accessed by vehicles from the top of the working face. An initial lift of selected waste 4 feet in thickness will be placed over the protective layer (i.e. chipped tires). The selected waste will be municipal solid waste and ash not containing large rigid objects and will be spread and compacted from the top of the working face.

L.7.c Slopes and Lift Depth

The working face slope will be maintained at a slope no steeper than 3H:1V. Each cell will be constructed in a horizontal lift to an approximate height of 8 to 12 feet, with the maximum height as shown on the operating sequence drawings.

L.7.d Working Face

Cells will be constructed with slopes no steeper than 3H:1V and a working face not greater than 150 feet in width to provide unhindered vehicle access to the working face while minimizing exposed areas and unnecessary use of cover material. The working face will operate in alternating months between Phases I-VI and Section 7. The working face will be bermed with soil or a mixture of 50 percent unscreened wood mulch and 50 percent soil (no ash) to prevent the mixing of leachate with stormwater.

L.7.e Initial Cover Controls

At the end of each working day, the waste will be covered with a 6-inch lift of compacted cover material such as: soil; a mixture of 50 percent unscreened wood mulch and 50 percent soil (or ash); ash; chipped tires; or tarps. These cover materials will provide vector control and mitigate windblown litter and fire potential. The cover materials will also help reduce odors. The initial cover material will be spread over the exposed waste and, with the exception of tarps, compacted by the equipment used to spread the cover (likely a bulldozer or scraper). The initial cover material will not be removed prior to placement of successive lifts of waste, with the exception of tarps, which would be removed prior to placement of successive lifts. Any remaining litter and cleanings from equipment will be placed at the bottom of the completed cell and covered.

Before moving the working face between landfills (i.e., monthly), the area that will remain inactive will be covered with compacted cover (free of waste), soil or a mixture of 50 percent unscreened wood mulch and 50 percent soil (no ash), with sufficient thickness (minimum 6-inches) to prevent erosion and the mixing of leachate with stormwater.

L.7.f Initial Cover Frequency

At the end of each day's operation the active landfill working face will be thoroughly compacted, and cover material will be spread and compacted to a depth of 6 inches over the day's entire working face and sideslopes. Initial cover material will be as discussed in Section L.7.e. Time will be allowed at the end of each day to move the portable barriers that define the working face, if needed. These will be moved to the positions required to define the next day's operation.

The SCLF is equipped to excavate and haul cover material from on-site borrow areas to the working face. Normally, an elevating scraper is used to excavate and haul cover material from the borrow area to the working face where it can be spread by a scraper or bulldozer.

L.7.g Intermediate Cover

Intermediate cover will be placed and maintained over cells which will not receive additional solid waste or final cover within 180 days as required in Rule 62-701.500(7)(f), FAC. The working face will be bermed to reduce stormwater impacts. Intermediate cover material will be placed over the landfill surface within 7 days of cell completion if additional waste will not be placed within 180 days. Intermediate cover will be placed to a minimum compacted thickness of 12 inches ($K \leq 1 \times 10^{-5}$ cm/sec) on top of the 6 inches of compacted initial cover. On-site material, free from organic matter, roots, and branches will be used for intermediate cover. Specifically, phosphatic waste clays available on-site will be mixed with sand and used for intermediate cover.

To conserve the soil/clay mix, a portion of the intermediate cover will be removed immediately before placement of additional solid waste on top of the lift or before placement of additional waste. The soil/clay mix (free of waste) will be stripped and reused as intermediate cover material. The stripped intermediate cover will be pushed ahead as needed for the perimeter interceptor berms constructed around the active working face area. The intermediate cover areas will be graded to promote drainage (minimum 2 percent slope) and seeded to prevent erosion.

L.7.h Final Cover

When portions of the SCLF are brought to design grades, final cover will be placed over the areas that have attained final elevation within 180 days in accordance with Rule 62-701.500(7)(g), FAC. Vegetative cover of Bahia grass (variety Pensacola) or St. Augustine grass will be applied. The final cover system and sequence for final cover placement will be submitted with the application for closure at least 90 days prior to the partial closure of the sideslopes.

L.7.i Scavenging and Salvaging

Except for such operations that are conducted as part of a recycling program, scavenging and salvaging are not permitted at the SCLF.

L.7.j Litter Policing

When necessary, portable litter fences will be placed downwind of the immediate working area to confine most of the windblown material. Litter around the site and the entrance roadways will be collected on a regular basis and picked up within 24 hours, per Rule 62-701.500(7)(i), FAC. In addition, the Contractor maintains a litter crew to provide litter control on State Road (SR) 39 from the Lithia-Pinecrest intersection to CR 672 and on CR 672 to Balm-Boyette Road.

L.7.k Erosion Control Procedures

The SCLF fill sequence and the drainage facilities have been designed to minimize erosion of landfill sideslopes and washout of adjacent areas. The landfill surface will be inspected daily for cracks, eroded areas, and depressions in the landfill surface. In areas where standing water develops, the area will be filled, compacted, and graded to provide positive drainage. Where this problem cannot be corrected by proper grading, temporary drainage ditches will be constructed to drain off the standing water. For intermediately covered areas, or other areas that discharge to the stormwater management system, which exhibit significant erosion, will be repaired as follows:

- If greater than 50 percent of the soil cover material has eroded, then the area will be repaired within 7 days.
- If waste or liner is exposed, then the area will be repaired by the end of the next working day.

L.8 LEACHATE MANAGEMENT

For Phase I-VI, the current FDEP approved LMP prepared by SCS is part of the current operation permit. The LMP is included under separate cover and contains the leachate management procedures and goals for Phases I-VI. Leachate Generation is addressed in Sections 2 and 5 of the LMP. The leachate management system components are described in Section 3 of the LMP.

For Section 7, the leachate management system design includes a system of collection pipes that lead to a sideslope sump. The sideslope sump is located at the low-point at the southwest corner of the landfill liner. The low-point acts as the sump for both the collection and detection systems. For leachate removal, the collection riser and the leak detection riser will include submersible pumps. Leachate from Section 7 will be first pumped to the existing main leachate pump station (MLPS) located southeast of Section 7, and then pumped to the 575,000-gallon leachate storage tank along with the leachate currently being collected from Phases I-VI. Effluent from the LTRF will either be hauled off-site or used as irrigation on Phases I-VI.

The main components of the Section 7 leachate management system includes the following:

- Geocomposite drainage layer with rock filled leachate collection trenches and perforated pipes leading to a main header pipe.
- Collection sump system including collection riser, leak detection riser, and submersible pumps for leachate removal.
- Valve vault containing control and check valves, sample port, and electromagnetic flowmeter.
- Control panel including pump controls and remote flowmeter head, including telemetry relay to the computer monitoring system at the LTRF office.
- Connection to influent line to the existing MLPS and underground high-density polyethylene piping force main.

L.8.a Leachate Monitoring and Sampling

The Phases I-VI leachate monitoring is addresses in Section 6 of the LMP. The Section 7 leachate collection and removal system (LCRS) was designed to meet FDEP requirements for limiting the leachate head to a maximum of one foot above the geomembrane during routine landfill operations after placement of the initial cover. Calculations indicating the maximum hydraulic head over liner and adequate flow capacity in trenches were presented in Attachment G-3 of the Construction Permit Application and Attachment A of Application responses dated July 14, 2000.

The Section 7 leachate management system includes a control panel, telemetry, and flowmeter operation. Status of pumping and flow-rate along with flow totalizer information can be readily accessed at the control panel located adjacent to the sideslope riser. Leachate from the Section 7 area will be sampled on an annual basis from sample port No.007 located at the sideslope riser (see Figure 1). Using the applicable FDEP Standard Operating Procedures for field sampling, leachate will be collected and analyzed for the parameters listed in Rule 62-701.510(8)(c) and 8(d). The results of the leachate analyses will be reviewed and submitted to the FDEP.

The Section 7 leak detection system will include a submersible pump that will pump the leachate directly into the leachate sump riser. The leakage flow rate will be measured daily. If the leak detection rate is higher than 1,250 gallons per day (gpd) (12.5 acres @ 100 gpd), the SWMD will notify the FDEP and EPC within 24 hours of discovery and provide written assessment within 7 days.

L.8.b Operation and Maintenance of the Leachate Collection and Removal System

Maintenance of the Leachate Collection and Removal System (LCRS) will be conducted on a routine and as-needed basis. The design of the leachate collection system includes components that require minimum operator attention. Phases I-VI routine maintenance is described in Section 3.3 of the LMP. Section 7 routine maintenance will be performed following the schedule in Table L-1.

TABLE L-1. SCHEDULE FOR ROUTINE MAINTENANCE

Component	Frequency	Performance Criteria	Corrective Action
Section 7 Pump	Semi-annual.	If pumping rate is less than 75 gpm; conduct drawdown or pressure test. Inspect for sediment in sump.	Pump with reduced performance will be removed and repaired. Replacement pump will be installed within 8 hours.
Leachate collection and removal system	Twice during permit period	Water pressure clean or video inspect at the existing cleanout locations.	If any component is not performing adequately, the SWMD will submit to the FDEP and EPC an evaluation report with proposed remedy.

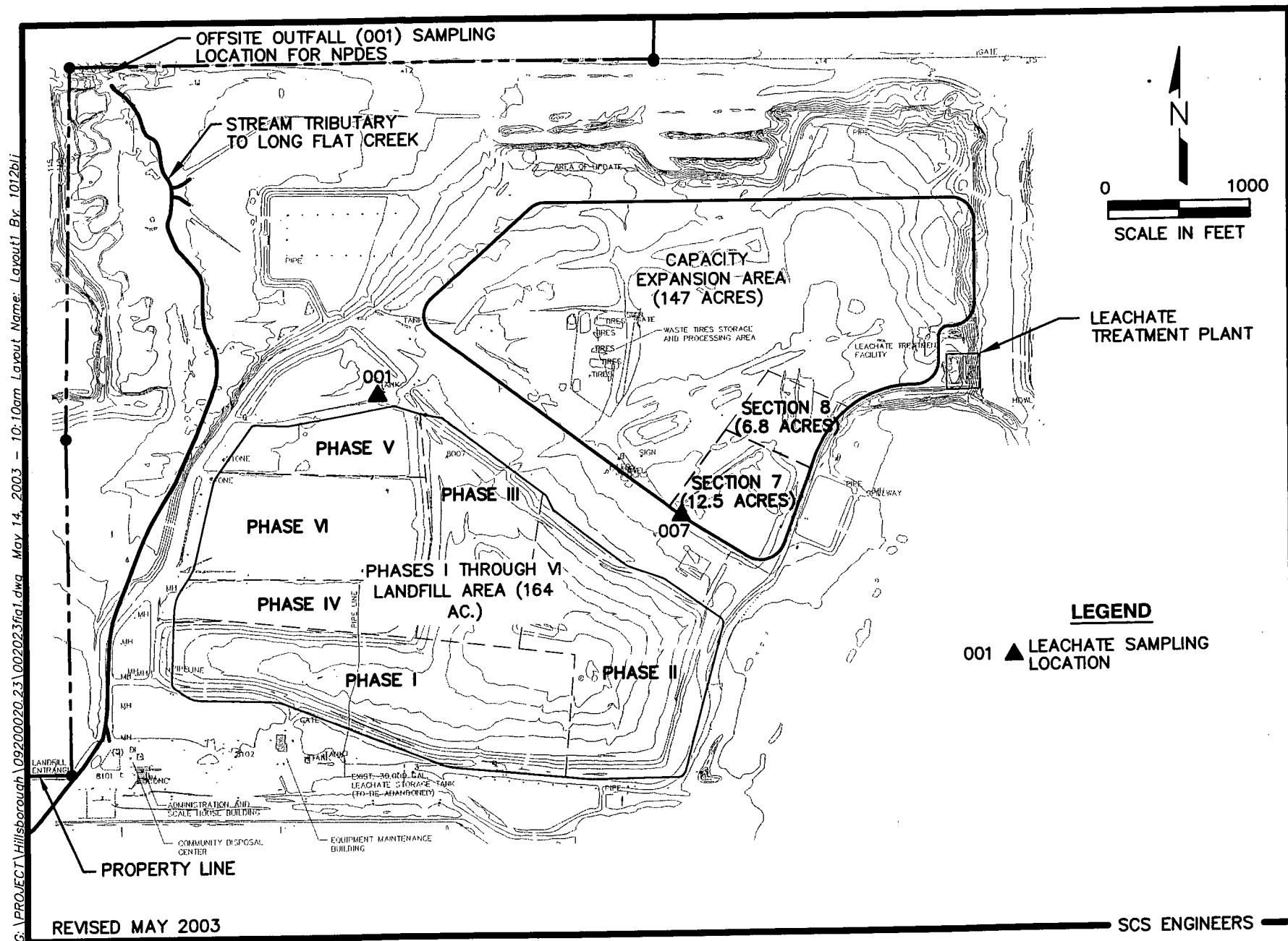


Figure 1. Leachate Sampling Locations.

L.8.c Procedures for Managing Leachate Upon Regulation Changes

If the annual analysis indicates that a contaminant listed in 40 CFR Part 261.24 exceeds the regulatory level then the monthly leachate sampling and notification requirements will be followed in accordance with Chapter 62-701.510(6)(c)2, FAC. In the unlikely event that leachate is classified as a hazardous waste, it will be managed in accordance with Chapter 62-730, FAC entitled "Hazardous Waste".

L.8.d Off-site Discharge and Treatment of Leachate

The leachate disposal options used at the SCLF are described in Section 3.2 of the LMP and the on-site LTRF is described in Section 4.5 of the LMP. The SCLF leachate management system includes pump stations, piping, and controls; a 575,000 gallon capacity leachate storage tank, the treatment facility, two lined basins for effluent storage and a spray irrigation system. Leachate from the SCLF will be pumped to the 575,000-gallon storage tank. When leachate is treated, it will be pumped to the effluent storage basins and subsequently used for irrigation on areas over Phases I-VI as described in the LMP. Spray irrigation of effluent will not be conducted on Section 7.

Leachate may also be disposed off-site at a County-owned wastewater treatment plant (WWTP). Agreements exist with two of Hillsborough County's wastewater treatment plants for leachate disposal. Hillsborough County and private contract fleets are used to haul the leachate to the WWTP. Leachate will continue to be measured by a flow meter as the tanker trucks are loaded at the truck loading station at the LTRF.

L.8.e Contingency Plan

As noted in Section L.8.d, several options exist for off-site discharge and treatment of leachate.

L.8.f Recording Leachate Generation

For Phases I-VI, the leachate quantity will be recorded by a flow meter at Pump Station A (PS-A). SWMD personnel will record flow meter readings each day the SCLF is open and the quantities will be reported to the FDEP.

For Section 7, leachate will be collected from the sump riser located in the southwest corner of the Section. The leachate quantity from Section 7 will be recorded by a flow meter prior to the flow joining the existing force main. SWMD personnel will record flow meter readings each day the SCLF is open and the quantities will be reported to the FDEP. Sample leachate reporting forms are included in Appendix G.

L.8.g Precipitation and Leachate Comparison

Site-specific precipitation data is gathered from six rainfall gauges that are in place at various locations at the SCLF. This data is recorded and used by the SWMD in preparing the leachate balance reports. These reports are submitted to the FDEP. For monitoring forms, refer to Attachments A and B of the LMP. The SWMD will continue to monitor the rainfall gauges and incorporate the data into the leachate balance reports for comparison with previous reports and related HELP model runs.

L.8.h Inspecting Leachate Collection Systems

The SCLF will be inspected daily. The existing leachate collection and removal systems will be water pressure cleaned or video inspected twice during the permit duration.

L.9 GAS MONITORING PROGRAM

The SWMD will conduct LFG monitoring at the perimeter LFG monitoring wells and in the administration, LTRF, and maintenance buildings. The location of the existing monitoring points for LFG is included in Appendix F. The ambient air and areas with slab penetration (areas with plumbing for water and drains) will be monitored inside these structures. The monitoring will be conducted for the Lower Explosive Limit (LEL) of methane. A GEM-500 Infrared Landfill Gas Analyzer (or equivalent) will be used. At the landfill perimeter monitoring points, no purging of the probe will be done. Once the GEM is connected to the sampling port, the valve will be opened and the GEM pump will be started. The GEM reading will be observed, and the value will be recorded.

When entering confined spaces or areas where dangerous gases may be present, the SWMD will follow the requirements in the "Code of Federal Regulations Title 29, Part 1910.146 OSHA" and the safety guidelines outlined in "A Compilation of Landfill Gas and Field Practices and Procedures" prepared by the SWANA Landfill Gas Division Health and Safety Task Force.

If methane is detected in concentrations greater than the regulatory limit (100 percent of the lower explosive limit at the property boundary or 25 percent of the lower explosive limit within structures), the SWMD will evaluate potential measures to correct the exceedances. Should an unacceptable concentration of methane be detected in a monitoring location (i.e. a well or an on-site structure), the SWMD will immediately take appropriate actions to protect human health. The SWMD will notify FDEP, and will re-monitor the location during each of the next three days. During this time, the SWMD will evaluate potential causes of the exceedance and will implement procedures to remedy the situation if exceedances persist after the third day. Within seven days of the initial exceedance, the SWMD will submit a remediation plan to FDEP in accordance with Rule 62-701.530(3)(a).

As described in Section L.7, the SWMD has a program for the placement of cover, which is effective for controlling disease, vectors, objectionable odors, and litter. No objectionable odors have been detected or reported by adjacent property owners. At least quarterly, or more frequently if necessary, qualified personnel from the SWMD will assess the presence of ambient objectionable odors at the location of the perimeter monitoring points shown in Appendix F. If objectionable odors are detected at the property line, the SWMD will implement an odor monitoring program as required by Rule 62-701.530(3)(b).

Passive flares connected to the leachate collection system cleanouts of the access pipes to Pump Station B (PS-B) will reduce pressure buildup inside the leachate collection pipes and provide a path of least resistance for the landfill gas (LFG) to vent. The passive flares will also reduce the potential for LFG to accumulate in PS-A and the pump control panel (see Figures F-5 and F-6 in Appendix F).

L.10 STORMWATER MANAGEMENT SYSTEM

L.10.a Phases I-VI

The Phases I-VI stormwater collection and conveyance system directs stormwater runoff off the landfill and surrounding subshed areas, and into seven existing stormwater detention basins. Five filtration basins (A through E) and three sedimentation basins (Basins F through H) exist for stormwater treatment of the entire site.

A detailed description of the stormwater management system with supporting calculations is presented in Section 3.6 of the 1994 Permit Application.

L.10.b Section 7 Capacity Expansion

The capacity expansion utilizes the existing surface and stormwater management system. The system was designed to prevent intrusion of stormwater runoff into areas containing MSW. The stormwater management system of Section 7 was designed to avoid mixing of stormwater with leachate. In addition, the designs maintain conformance with the site's Southwest Florida Water Management District Permit, which was submitted in Volume 3, Attachment A of the Construction Permit Application.

The stormwater conveyances were designed to attenuate the maximum expected flows from a 24-hour, 25-year rainfall event. The stormwater conveyances will be maintained in good condition, with the proper slopes, and free from obstructions. Erosion control measures are described in Section L.7.k. The major components design and operations is as follows:

- Isolation Berm; designed to be five feet in height and three feet in width across the top, with sideslopes of three feet horizontal to one vertical (3H:1V). The berms are covered with 60-mil HDPE and will operate to avoid the mixing of stormwater outside Section 7 with leachate. The isolation berms will remain in-place and future sections 8 and 15 will be constructed adjacent to the isolation berms.

- Interior Separation berm; designed to be three feet in height and three feet in width across the top with sideslopes of 3H:1V. The separation berm divides Section 7 into two fill areas to facilitate the collection and handling of stormwater separate from leachate. During waste filling in Lifts 1A through 2B, the LCRS separation valve will be closed and the stormwater on the eastern side of the interior separation berm will be pumped to stormwater Basin C. Prior to filling in Lift 2C, the LCRS separation valve will be opened and all the liquid within Section 7 will be managed as leachate.
- Sideslope Ditch; designed for a maximum of 7.2 cubic feet per second (cfs) and will be constructed with a "V" bottom, 3H:1V sideslopes, and 2-foot minimum depth. The sideslopes will convey stormwater flow to the perimeter ditch and downchutes. Sideslope ditches will be constructed where needed and as shown on the sequence drawings.
- Downchute; designed for a maximum flow of 118 cfs and will be constructed with a minimum 3-foot wide bottom, 3H:1V sideslopes, and minimum 2-foot depth. The downchutes will convey stormwater flow to the perimeter ditch.
- Perimeter Ditch and Diversion Channel; designed for a maximum flow of 150 cfs and will be constructed with a minimum 6-foot wide bottom, 3H:1V sideslopes, and minimum 2-foot depth. The perimeter ditch manages surface water runoff around the site, prevent off-site drainage from entering the landfill area, and conveys the runoff to stormwater Basin C.

L.11 EQUIPMENT AND OPERATION

Landfill operation was discussed in Section L.2.

L.11.a Operating Equipment

The landfill is currently operated with the following on-site equipment:

- Two steel-wheeled compactors.
- Two bulldozers.
- One self-propelled scraper.
- One water tank truck.
- One motor grader.
- One excavator.
- Several pickup trucks.
- Other miscellaneous construction and maintenance equipment.

Where appropriate, equipment is fitted with safety cabs and fire extinguisher. The Contractor is required to have back-up equipment available within 24 hours.

L.11.b Reserve Equipment

Sufficient backup equipment will be provided on site for equipment breakdowns and downtime for normal routine equipment maintenance. Pre-arrangements with contractors and rental equipment dealers will be made to furnish equipment on a short-term notice in the case of a major equipment failure. The Reserve Equipment Agreement is presented in Appendix B.

L.11.c Communications Equipment and Personnel Facilities

Telephones are located at the Administrative and Maintenance Buildings for use in emergencies. Cellular telephones and two-way radios are also used. The Administration Building is equipped with water supply, toilet facilities, emergency first-aid supplies, and electricity. The building also provides shelter for employees in case of inclement weather. The Maintenance Building is equipped with spare parts, tools, equipment, and electrical services for operations and repair.

L.11.d Dust Control

L.11.d.(1) Phases I-VI

Dust control outside of the landfill will be provided by applying water sprayed from a water tank truck and will be applied to the unpaved access roads as required to control dust generation. Dust control inside of the landfill will be provided by applying small quantities of leachate as described in Section 3.2.2 of the LMP.

L.11.d.(2) Section 7 Capacity Expansion

Dust control outside of the landfill will be provided by applying water sprayed from a water tank truck and will be applied to the unpaved access roads as required to control dust generation.

Dust control inside of landfill will be provided by applying small quantities of leachate from a spray bar mounted on the rear of a tank truck and will be sprayed onto the active fill areas of Section 7 including the working face and areas with the required 6 inches of initial cover as required to control dust generation.

Leachate used as dust control reduces the quantity of fresh pond water that would otherwise be sprayed from tanker trucks to control dust on the active fill areas and provides for leachate evaporation. Leachate quantities used for dust control will continue to be reported in the leachate balance report submitted to the FDEP.

The SWMD will monitor the rate of application, soil moisture conditions, and the specific landfill areas used so that this leachate disposal method does not generate runoff. Spray bar leachate spraying will be applied under the following conditions:

- Leachate will only be sprayed on active-fill areas, including the working face, and areas with the required 6 inches of compacted initial cover.
- Leachate will not be sprayed on areas with intermediate or final cover, seeded or unseeded.
- The maximum grade leachate will be sprayed on is 10H:1V slope. Areas within 150 feet of a 4H:1V or steeper sideslope will not be sprayed on. At all times, areas receiving leachate will be controlled to prevent leachate runoff from entering the stormwater system.
- Leachate will not be sprayed during a rainfall event.
- The tank truck spray bar method maximizes evaporation. The application rate of leachate will be such that leachate does not accumulate on the landfill surface, nor infiltrate quickly into the covered refuse. It is evaporation that is the main goal of this leachate disposal method, rather than recirculation of leachate.
- Leachate will not be sprayed at the end of the day on the initial cover of the working face or other areas. Spraying should be done early in the morning after any dew evaporates and continue until early afternoon or until all available areas have been utilized.

L.11.e Fire Protection and Chemical Fires

A charged fire extinguisher is kept at the scalehouse, Administration building, Maintenance Building, and with all landfill equipment all times. Fire control for the working face shall be through the use of excavated soil.

In the event that a load of municipal type waste is delivered to the site, which is smoking or on fire, landfill personnel direct the load to the "hot spot" area (An area within the landfill footprint with at least 12-inches of soil cover) where appropriate fire fighting procedures are followed.

Water for fire protection will be supplied from the fire hydrant and intake structure located east of Phase II. A second fire hydrant and intake structure is located south of the LTRF. In the event of a small fire at the working face, waste handling will continue on an alternate working face until the fire is suppressed. In the event that a fire cannot be controlled using materials and personnel already on site, the Fire Department will be immediately contacted and the emergency response plan will be followed as described in Section L.2.b. For spills and containment of contaminated water such as from fire fighting see Section L.2.b.

No chemicals will be accepted at the landfill. All waste coming through the scale house will be observed to eliminate unwanted chemicals capable of starting a fire. In the event a chemical accident does occur, the following steps will be taken:

- Call local Fire Department (911).
- Contain fire in small area until Fire Department arrives. To eliminate inhalation of potentially toxic fumes, fight fire from upwind side.
- Stay with fire until out and cover with sand.

L.11.f Litter Control Devices

See Section L.7.j of this Operations Plan.

L.11.g Signs

A sign indicating the hours of operation is located at the SCLF entrance. Signs indicating the name of the operating authority, charges for disposal, and a sign indicating asbestos disposal site are located near the scalehouse area. Traffic flow and speed limit signs are located at various points along the landfill access road.

L.12 ALL-WEATHER ACCESS ROAD

The access roadway enters the site from CR 672. An asphalt paved road travels north through citrus groves and turns east into the SCLF. The access road location was selected to minimize impacts to residential and agricultural areas along CR 672. There is a gate on the access roadway at CR 672 and fencing to prevent unauthorized access.

The main access road is a 40-foot wide roadway with a 24-foot wide asphalt paved section and 8-foot wide shoulders constructed within the 100-foot wide right-of-way. The main access road is paved and extends into the SCLF through the property entrance, then running along the south side of the site, turning north along the east side of the SCLF area, and to the LTRF.

Other on-site roadways will be required on a temporary and permanent basis to service the borrow area and for maintenance and services of on-site facilities. Access roadways into the active fill area will be developed from the paved main access road. A stockpile of materials to construct all-weather roads is available on site for use in maintaining roadways to the active working face during inclement weather.

L.13 ADDITIONAL RECORDKEEPING

Operation records, such as permits, plans, inspections and others, are maintained at the SCLF and at the SWMD office. The active area of Phases I-VI will be surveyed monthly and the active area of Section 7 will be surveyed twice each year to calculate the volume used and to estimate the in-place density.

L.13.a Permit Application Development

The SWMD keeps all information including site investigations, construction records, operation records, inspections, and permits.

L.13.b Monitoring Information and Background Water Quality

The SWMD also keeps all monitoring records on groundwater, surface water, weather, and landfill gas. Copies are submitted to the FDEP and the Environmental Protection Commission of Hillsborough County (EPC) on a regular basis. The SWMD will keep all monitoring records on background water quality.

L.13.c Remaining Site Life Estimates

An estimate of the remaining site life for the permitted area will be prepared annually for submission to the FDEP.

L.13.d Archiving and Retrieving Records

Records of the landfill that are more than three years old will be available at the County's offices, 601 E. Kennedy Blvd., 24th Floor, in Tampa.

APPENDIX A
TRAINING COURSES

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 9/20/2002

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
97	Basic Landfill Operations	Kohl Consulting, 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
111	Landfill Operations and Waste Screening for Class I, II & III Sites	Kohl Consulting, Inc.	8	8	8	8	8
248	Spotter Training for Solid Waste Facilities	UF TREEO	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	JEA/TREEO	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	
204	1-Hour Overview of Health & Safety Issues at Solid Waste Facilities	Kohl Consulting, Inc	1	1	1	1	
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
196	16-Hour Initial Training Course for Transfer Station Operators	Kohl Consulting, Inc.	10	10	8	8	4
52	17-701 & 17-703 Update [6/17/94]	SWANA - FL	4				
225	19-Hour Initial Training Course for Transfer Station and MRF Operators	Kohl Consulting, Inc	10	10	8	8	4
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	
167	8-Hour HazWoper OSHA Refresher	FDEP / All Pro	4	4	4	4	
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
182	Air Compliance and LGF 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	6				
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	8	8	8
72	Bird and Wildlife Management at Solid Waste Mgmt Facilities	UF TREEO Center	8	8	8		
206	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	
80	Construction and Demolition Debris Landfills - A Short Course for Operators [no longer offered] (See #200)	UF TREEO Center/ SWANA - FL	20	20			
200	Construction and Demolition Debris Landfills - A Short Course for Operators - 24 hours	UF TREEO Center/ SWANA - FL	16	16			
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

Continuing Education			I, II, III	C&D	Transfer	MRF	Spotter
No.	COURSE TITLE	PROVIDED BY					
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	
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 [No longer offered]	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 / Kenton Brown	4	4	4	4	
232	FDEP 8 Hour HazWoper OSHA Refresher [5/22/02]	FDEP [Bottcher/Knox]	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 [5/6-8/98]	FDEP	5	5	5	5	
135	FDEP HHW & Conditionally Exempt SQG [5/5-7/99] [Management credit]	FDEP	5	5	5	5	
166	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

Continuing Education

			I, II, III	C&D	Transfer	MRF	Spotter
10.	COURSE TITLE	PROVIDED BY					
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	6	6	6	6	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 [no longer offered]	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 [11/6-9/96]	International City & County Mgmt Associate	12				

Continuing Education

			I, II, III	C&D	Transfer	MRF	Spotter
o.	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	6				
60	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		
18 8	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				
21 7	HazWoper 24-Hour Moderate Risk Online	UF TREEO Center	6	6	6	6	3
21 6	HazWoper 40-Hour OSHA Health & Safety Online	UF TREEO Center	8	8	8	8	
21 8	HazWoper 8-Hour Refresher Online	UF TREEO Center	4	4	4	4	4
11 5	HazWoper Material Control & Emergency Response	Air Safe	8	8	8	8	4
94	Health & Safety at MSW Landfills	SWANA	10	10			
17 0	Health & Safety Issues for Solid Waste Management Facilities	Kohl Consulting, Inc.	8	8	8	8	4
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
22 3	Health and Safety Training for Landfill Operations OnLine	UF TREEO Center	5	5	5	5	2
14 9	Health and Safety Training for Landfill Operations	UF TREEO Center	5	5	5	5	2
20 1	Hiring and Retaining Good Employees	UF TREEO Center	2	2	2	2	
33	Household Hazardous Waste [6/30/94]	Care Environmental Corp.	4				
20 9	Hurricane Preparedness and Post Disaster Recovery Workshop [8/10/01]	Dewberry & 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				
12 9	Inspector's Handbook for Construction Projects	Hillsborough County Solid Waste	7				
15 1	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				
21 2	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			
12 4	Landfill Compaction Training School [prior to 1/1/02]	Caterpillar & Ringhaver Equipment	5	5			
22 9	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
15	Landfill Design and Construction [3/27-30/00]	UF TREEO Center	28				

Continuing Education

No.	COURSE TITLE	PROVIDED BY	I, II, III	C&D	Transfer	MRF	Spotter
7							
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 Management System Design [6/10-12/97]	UF TREEO Center	21				
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 [5/9-10/00]	UF TREEO Center	12				
125	Management of Leachate, Gas, Stormwater and Odor at Class I, II, III Landfills	Kohl Consulting, Inc.	8	8			
249	Management of Special Waste for SWM Facility Operators	Kohl Consulting, Inc.	4	4	4	4	4
88	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			
109	Measurements and Calculations for Landfill Operators	Kohl Consulting, Inc.	5	5			
38	Mechanical Maintenance (Pumps and Pumping) (prior to 1/1/02) (see #213)	UF TREEO Center	7				
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					
17	OSHA 40-Hour Course	R. Cooley	8	8	8	8	

Continuing Education

No.	COURSE TITLE	PROVIDED BY	I, II, III	C&D	Transfer	MRF	Spotter
7							
16 5	OSHA 8-Hour HazWoper Annual Refresher [8/25/00]	University of North Florida Safety America	4	4	4	4	2
14 2	OSHA 8-Hour Refresher for Hazardous Waste Operations and Emergency Response	FDEP/Jamson	4	4	4	4	2
68	OSHA Update Seminar [8/7/96]	J.J. Keller & Associates, Inc.	6				
18 3	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				
18 4	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				
19 2	Pedestrian, Vehicles and Equipment Safety at Transfer Stations	Kohl Consulting, Inc.			2	2	2
18 6	Pedestrian, Vehicles and Equipment Safety in the Landfill	Kohl Consulting, Inc.	2	2			2
10 4	Permit Required Confined Space Training	UF TREEO Center	8	8	8	8	
96	Personnel Law Up-date [12/11-12/96]	Council on Education in Management	5				
23 9	Pollution Prevention and Environmental Essentials Conference	UF TREEO Center	5	1	5	5	
23 0	Proper Maintenance of Heavy Equipment and Safety	Caterpillar & Ringhaver Equipment	3	3			
15 3	Pump Maintenance [4/13-14/00]	National Tech Transfer	7				
21 3	Pumps and Pumping (taken after 1/2/02)	UF TREEO Center	16	16	16	16	
23 7	Recycle Organics 2002	University of Florida - IFAS	4	4	4	4	
90	Recycling Coordinator Training Course 1997 (Basic Recycling Training) [5/19-21/97]	UF TREEO Center	8	8			
13 7	Recycling Coordinator Training Course 1999	UF TREEO Center	8	8			
20 5	Recycling Coordinators Training Course 2001 [8/2--24/01]	SWANA - FL					
14 6	Recycling Disaster Debris [8/6/99]	University of Central Florida / Engineering	6	6	6	6	6
19 3	Safe Operating Issues for Transfer Stations	Kohl Consulting, Inc.			2	2	
12 3	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				
13 9	Solid Waste Facility Operations for Construction and Demolition Operators [No longer offered] (See #196)	Kohl Consulting, Inc.		20			
13 8	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				
24 8	Spotter Training for Solid Waste Facilities	UF TREEO Center	8	8	8	8	8
21 4	Spotter Training Plan for Land Clearing Debris Site	Wetland Solutions	8	8	8	8	8

Continuing Education

Continuing Education			I, II, III	C&D	Transfer	MRF	Spotter
No.	COURSE TITLE	PROVIDED BY					
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	
242	SWANA – Business Planning, Marketing and Communications for the Solid Waste Industry	SWANA	8	8	4	4	
238	SWANA - Household Hazardous Waste & CESQG Facility Operations 24 hour Training	SWANA / SWANA - FL	15	15	15	15	15
245	SWANA - Leadership Skill Development for Solid Waste Professionals	SWANA	8	8	4	4	
244	SWANA - Landfill Gas Basics						
133	SWANA - Landfill Gas Symposium 22 nd Annual [3/22-25/99]	SWANA	15				
163	SWANA - Landfill Gas Symposium 23 rd Annual [3/22-30/00]	SWANA	15				
190	SWANA - Landfill Gas Symposium 24th Annual [3/19-23/01]	SWANA	18				
231	SWANA - Landfill Gas System Operation and Maintenance	SWANA	20	20			
93	SWANA - Landfill Operational Issues	SWANA	8	8			
74	SWANA - Landfill Symposium 1st Annual [11/4-6/96]	SWANA	17				
87	SWANA - Landfill Symposium 2nd Annual [2/4-6/97]	SWANA	18				
117	SWANA - Landfill Symposium 3rd Annual [7/22-24/98]	SWANA	18				
159	SWANA - Landfill Symposium 4th Annual [6/28-30/99]	SWANA	16				
211	SWANA - Landfill Symposium 6th Annual [6/18-20/01]	SWANA	18				
245	SWANA – Leadership Skill Development for Solid Waste Professionals	SWANA	8	8	4	4	
30	SWANA - Manager of Landfill Operations	SWANA	16	16			4
160	SWANA - Manager of Landfill Operations [MOLO®]	UF TREEO Center/SWANA - FL	16	16	8	8	
000	SWANA – Manager of Landfill Operations [MOLO®] Exam Only	SWANA/ SWANA - FL	0				
243	SWANA - Managing Composting Programs	SWANA	10	10			
246	SWANA – Managing MSW and Recyclables Collection Efficiency Workshop	SWANA	8	8	4	4	
234	SWANA - Managing MSW Recycling Systems	SWANA / SWANA - FL		7	7	7	7
001	SWANA - Managing MSW Recycling Systems Exam Only	SWANA/ SWANA - FL	0				
222	SWANA - Managing Transfer Station Systems	SWANA			8	8	
247	SWANA – Outsourcing Decisions and Contracting Strategies: Risk and Rewards	SWANA	8	8	4	4	
178	SWANA - Paying for your MSW Management Systems-Revenue Generation & Cost Accounting [10/24/00] [10/14/01]	SWANA	7				
174	SWANA - Principles of Managing Integrated Municipal Solid Waste Management Systems	SWANA	7				
45	SWANA - Principles of Managing IMSWM Systems [Certified Municipal Solid Waste Manager I]	SWANA	24				

Continuing Education

No.	COURSE TITLE	PROVIDED BY	I, II, III	C&D	Transfer	MRF	Spotter
21 6	SWANA - Transfer Station Design & Operations [course taken after 1/1/2002]	SWANA			8	8	4
42	SWANA - Transfer Station Design & Operations [course taken prior to 1/1/2002]	SWANA	16		16		
19 1	SWANA - Waste Con 2000 [10/23-26/00]	SWANA	13		13		
22 1	SWANA - Waste Con 2001 [10/15-18/01]	SWANA	8	2			
14 1	SWANA-Florida 1999 Summer Conference [8/3-5/99]	SWANA - FL	4				
16 2	SWANA-Florida 2000 Spring Tri-State Conference [4/3-5/00]	SWANA - FL	3				
17 3	SWANA-Florida 2000 Summer Conference [8/10-11/00]	SWANA - FL	6	6			
18 9	SWANA-Florida 2001 Spring Conference [3/29-31/01]	SWANA - FL	3	3			
20 7	SWANA-Florida 2001 Summer Conference	SWANA - FL	5	5	5	5	1
22 0	SWANA-Florida 2002 Spring Tri-State Conference [4/7-10/02]	SWANA - FL	6	6	6	6	
23 5	SWANA-Florida 2002 Summer Conference [7/24-26/02]	SWANA - FL	4	4	2	1	
11 6	The Complete Ground-Water Monitoring Course	Nielson Environmental Field School, Inc.	16	16			
24 1	The Old Landfill Seminar	UF TREEO Center / SCS Engineers	5	5			
18 7	Traffic and Equipment Safety at Landfills	Kohl Consulting, Inc.	2	2			2
13	Train-The-Trainer for Environmental Occupations (Management Credit ONLY)	UF TREEO Center	7				
12 1	Training for Personnel at Construction & Demolition Materials Recovery Facilities	Kohl Consulting, Inc.	8			8	
14 7	Training for Spotters at Landfills, Construction & Demolition Sites and Transfer Stations	JEA, Inc. / UF TREEO Center	8	8	8	8	8
13 2	Training Sanitary Landfill Operating Personnel	SWANA	5				
14 8	Two-Hour Landfill Spotter Refresher Training Online	JEA, Inc.	2	2	2	2	2
11 2	US DOT Hazardous Material / Waste Transportation	UF TREEO Center	6	6	6	6	
23	Utility Management Certification: Financial Management [No longer offered]	UF TREEO Center	7				
24	Utility Management Certification: Management & Supervision [No longer offered]	UF TREEO Center	7				
25	Utility Management Certification: Personnel Management [No longer offered]	UF TREEO Center	7				
12 6	Waste Acceptability for Spotters, Equipment Operators and Scale House Personnel	Kohl Consulting, Inc.	2	2	2	2	2
21 0	Waste Control and Spotter Safety Awareness	Kohl Consulting, Inc.	2	2	2	2	2
31	Waste Management of North America (Landfill University) (no longer offered)	Landfill University	20				
36	Waste Screening & Identification For Landfill Operators and Spotters	UF TREEO Center / SCS Engineers	8	8	8	8	8
12 2	Waste Screening and Operation Orientation for Transfer Station Personnel	Kohl Consulting, Inc.	8		8		
9	Waste Screening at MSW Mgmt Facilities [On-site Delivery]	SWANA	10	10	10	10	10
51	Waste Screening at Municipal Solid Waste [5/23/94]	SWANA - FL	6				
16 4	Waste Tech 2000 [3/5-8/00]	Waste Tech	7				
18 5	Weighmaster Orientation and Waste Screening Review	Kohl Consulting, Inc.	2	2	2	2	2
73	Wet Weather Operations	Kohl Consulting, Inc.	4	4			
65	What Can I Accept & How Do I Keep It From Blowing Around	Kohl Consulting, Inc.	2				

Continuing Education		I, II, III	C&D	Transfer	MRF	Spotter
5.	COURSE TITLE	PROVIDED BY				

64	When it Rains, It Pours (And We Stay Open)	Kohl Consulting, Inc	2	2			
24	WMI Odor School [5/29/02]	WMI / St. Croix Sensory, Inc.	7	7	7	7	7
0							

APPENDIX B
RESERVE EQUIPMENT AGREEMENT



December 7, 2000

Mr. Lee Smith
Landfill Manager
Waste Management
Southeast Landfill
P.O. Box 627
Balm, Florida 33503-0997

Dear Mr. Smith:

Per our recent conversation, Ringhaver Equipment Co. will make replacement machines available to the landfill on a daily rental basis. A rental rate chart is attached.

Ringhaver will provide Southeast Landfill with equipment needed for emergency situations within 24 hours. We have transports available to transport this equipment.

Regards,

A handwritten signature in cursive script that reads "Timothy R. Maguire".

Timothy R. Maguire
General Sales Manager
Vice President

TRM/j
Enclosure

CC: Steve O'Neil, Sales Representative

APPENDIX C
COMPREHENSIVE EMERGENCY MANAGEMENT PLAN

HILLSBOROUGH COUNTY

SOLID WASTE MANAGEMENT DEPARTMENT

COMPREHENSIVE EMERGENCY MANAGEMENT PLAN (CEMP)

A. General

Hillsborough County is vulnerable to a wide variety of natural disasters. This plan will provide the Solid Waste Management Department (SWMD) policies and procedures to be incorporated in the Hillsborough County Comprehensive Emergency Management Plan.

B. Purpose

To provide the Solid Waste Management Department employees with uniform policies and procedures for the effective coordination of actions necessary to prepare for, and respond to, a variety of natural disasters which might affect the health, safety or general welfare of the residents in Hillsborough County.

C. Scope

The Solid Waste Peacetime Emergency Plan is designed for use in all natural and man made disasters. It does not address the effects or impacts of wartime actions. The Plan includes the following.

1. Procedures for pre-disaster phase.
2. Procedures for disaster phase.
3. Procedures for recovery phase.

D. Priority or Emergency Communications Notification Procedures ADMINISTRATIVE DIRECTIVE # 167

Key contact and alternate personnel

- | | | |
|----|-------------------|--------------------------|
| 1. | Key contact | Daryl H. Smith, Director |
| 2. | Alternate contact | Thomas Smith, Manager |

1. PRE-DISASTER PHASE

- a. SWMD Director and assistant will not be located at the Emergency Operations Center until the recovery phase.
- b. Managers will obtain the employee recall roster from the Administrative Office of the SWMD. This roster will be used to inform employees, by phone, of any reporting instructions for the Recover Phase. Employee site assignment will be indicated on this roster.
- c. To the extent possible, SWMD sites will secure all equipment to protect it from flying debris or from becoming flying debris.
- d. Solid Waste equipment will be dispersed in the following manner.
 - (1) Northwest County Facility semi-tractor trailers will remain at the Facility.
 - (2) Northwest County Facility will furnish two (2) semi-tractors and drivers to pickup refrigeration trailers for Emergency Services to be transported to a specified location.
 - (3) Small equipment for Landfill Services at Northwest County Facility will be stored in the storage building.
 - (4) South County Facility will furnish two (2) semi-tractors and trailers to Fleet Management
 - (5) South County semi-tractors will be transported to the Roadway Maintenance Division South Service Unit.
 - (6) Front-end loaders and small equipment at the Northwest and South County Facilities will be stored in the tipping buildings.
 - (7) Small equipment at Hillsborough Heights will be stored in the shop building at Hillsborough Heights.
 - (8) Administrative Office cars and pickup trucks will be stored at their normal location or other special assignment.
 - (9) Computers and electronic equipment in the County Center that are near windows will be moved to conference room B.
 - (10) As much as possible, computers and electronic equipment at all other sites will be secured in a high and dry location.

- e. All gasoline powered equipment must be topped off with fuel.
- f. All employees must carry their employee I. D. cards with them so that they may meet security requirements for travel over County roads.
- g. All SWMD employees regularly assigned cellular telephones will keep their telephones with them for on-going communication with the Emergency Command Center and other employees. Employees should also keep their battery chargers so as to maintain telephone service during the event.
- h. Employees who may be required to evacuate and know the telephone number at their evacuation location should provide their supervisor with that telephone number.
- i. All supervisors will instruct their employees to listen to the **Emergency Alert System (EAS) WSJT 94.1 (FM)** for information and any reporting instructions.
- j. Employee compensation during this Phase will be in accordance with the County "Disaster/Disaster Recovery Policy – Compensation".
- k. Each Section Manager will keep adequate records showing details of all expenses which can be directly attributed to the preparation for, during and following the disaster event. These records will show what, why, when and the costs which requires reimbursement from FEMA.

2. DISASTER PHASE

- a. All SWMD employees will insure the safety and welfare of their families and follow all evacuation instructions.
- b. All SWMD employees regularly assigned cellular telephones will keep their telephones with them for on-going communication with the Emergency Command Center and other employees. Employees should also keep their battery chargers so as to maintain telephone service during the event.

3. RECOVERY PHASE

- a. All employees must listen to the **Emergency Alert System (EAS) WSJT 94.1 (FM)** for recall information and any reporting instructions.
- b. All employees must carry their employee I. D. cards with them so that they may meet security requirements for travel over County roads.

- c. The Hillsborough Heights SWMD Site, located ½ mile north of I-4 and CR 579, will be the Solid Waste Management Department's Emergency Command Center (ECC).
- d. Reporting Assignments
- (1) Upon receiving the recall notice, all employees must report to the locations identified below in accordance with the County "Disaster/Disaster Recovery Policy - Work Assignments". If the designated location is not accessible, employees must report to the ECC (Hillsborough Heights Facility).
 - (2) Unless identified otherwise below, all employees will report to their normal work location.
 - (3) SWMD Director and assistant will be located at the Emergency Operations Center during recovery phase.
 - (4) CCCs will be closed until the facilities can be safely operated. Alderman Ford and Wimauma CCC Attendants will report to the South County Facility. All other CCC Attendants will report to their designated sites.
 - (5) Manager assignments are as follows.
 - (a) Walt Brown - Hillsborough Heights.
 - (b) Doug DeArmond - Northwest County Facility
 - (c) Bobby Caswell - South County Facility
 - (d) Patty Berry - Hillsborough Heights
 - (e) Tom Smith - Emergency Operation Center
 - (f) Richard Mims - County Center
 - (g) Nate Johnson - County Center
- e. Employee compensation during this Phase will be in accordance with the County "Disaster/Disaster Recovery Policy – Compensation".
- f. For recovery phase, Managers will utilize the recall roster to inform employees, by phone, of any reporting instructions for the recovery phase.
- g. Designated site Managers and Crew Leaders will secure the sites and direct any clearing of debris so as to open the facilities as soon as possible.

- h. Managers and Crew Leaders will schedule employees on shifts to allow the sites to operate on a 12-hour schedule or as needed to accept storm debris at all facilities.
- i. To the extent possible, solid waste will be managed in the following manner during the recovery phase.
 - (1) Every effort must be made to ensure that the solid waste delivered to the Solid Waste Management System is separated into:
 - processable;
 - yard waste; and
 - non-processable/construction and demolition debris.
 - (2) Customers will be asked if the solid waste is storm debris or solid waste generated from normal activities.
 - (3) Customers delivering solid waste generated from normal activities should be directed to the normal SWMD facilities where the accounting and billing structure is in place. Solid waste delivered to the normal SWMD facilities will be accounted for and billed in accordance with normal operating procedures, unless the solid waste is clearly identified as storm debris.
 - (4) The transfer stations and the Resource Recovery Facility should only receive processable solid waste generated from normal activities. The yard waste processing facilities should only receive yard waste generated from normal activities. To the extent possible, yard waste must be separated from processable solid waste.
 - (5) Customers delivering storm debris should be directed to the emergency sites. To the extent possible, the yard waste should be stored separately from the construction and demolition debris. If processable solid waste is included in the load, the customer should separate it from the other solid waste so that it can be immediately removed from the site.
 - (6) During the Recovery Phase, all solid waste received by the SWMD must be properly accounted for. The charge for the disposal of storm debris will be in accordance with charges established by Board Resolution or by an appropriate action by the County Administrator during the declared State of Emergency.

- (7) A receipt ticket will be prepared for each vehicle entering a SWMD facility (except for the CCCs) as well as the emergency sites. Each ticket must include, but not be limited to, the following information:

date and time;

delivery location;

origin of the debris;

person/company delivering the debris;

estimated volume delivered; and

certification that it is storm debris.

4. NORMAL DISPOSAL FACILITIES

a. Processable solid waste

1. Northwest Transfer Station
8001 West Linebaugh Avenue
Tampa, Florida
Phone: 264-3816
Location: East of Sheldon road on north side of Linebaugh Avenue
2. South County Transfer Station
13000 US 41 South
Gibson, Florida
Phone: 671-7611
Location: 1/4 mile north of Big Bend Road on east side of highway 41
3. Southeast County Landfill
CR 672
Picnic, Florida
Phone: 671-7675
Location: 8 miles east of Highway 301, 2 miles west of Highway 39, entrance to landfill off of CR 672
4. Resource Recovery Facility
350 Falkenburg Rd
Brandon, Florida
Phone: 744-5599
Location: 1 mile north of Highway 60, entrance of Falkenburg Rd..

b. Yard Waste

1. Northwest County Facility
8001 West Linebaugh Ave
Tampa Florida
Phone: 264-3816
Location: East of Sheldon road on north side of Linebaugh Avenue
2. Falkenburg Yard Waste Facility
350 Falkenburg Rd
Brandon, Florida
Phone: 744-5599
Location: 1 mile north of Highway 60, entrance of Falkenburg Rd..
3. South County Yard Waste Facility
13,000 S U.S. HWY 41
Gibson, Florida
Phone: 671-7611
Location: 1/4 mile north of Big Bend Road on east side of highway 41

c. Non-processable/construction and demolition debris

1. Southeast County Facility
CR 672
Picnic Florida

DHS/II

Emergency Mgmt Plan SWMD 2000.doc

SUBJECT: DISASTER RECOVERY: WORK ASSIGNMENTS
EFFECTIVE: April 30, 2001 **EXPIRATION DATE:** Five (5) Years
SUPERSEDES: December 15, 1995

AUTHORITY:

The Department of Human Resources is responsible for developing, implementing and updating policies and procedures supporting employment standards, programs and benefits as delegated by the Hillsborough County Administrator. *Please refer to Administrative Directive: Human Resources Policy and Procedure Development Authorization.*

PURPOSE:

To provide uniform procedures for defining employee work responsibilities during an impending or declared disaster and the recovery period following a disaster.

POLICY:

The needs of Hillsborough County citizens must continue to be addressed during an impending or declared Disaster and Disaster Recovery period. In order to accomplish this, Disaster Assigned Employees shall report to their regular or pre-arranged work location, and Non-Disaster Employees shall report to their pre-arranged work assignment or volunteer location.

PROCEDURE:

1. Employee Duty -

- A. Temporary Duty Assignments - During time of Pre-disaster and Disaster Recovery, employees may be temporarily assigned to duties other than the essential functions of their position and may be assigned to work at different job sites.
- B. Service Priority - Because the need to provide emergency services may supersede other County operations, timeframes for promotions, grievances, disciplinary actions, etc., may be suspended until a Disaster/Disaster Recovery period is no longer in effect.
- C. Monitor Radio/TV Stations - When a Disaster/Disaster Recovery has been declared, employees should monitor local radio/television stations for instructions. The primary Emergency Broadcast System (EBS) stations are WYNF/94.9 FM, WRBQ/1320 AM and 104.7 FM, and WFLA/970 AM, although most radio/television stations remaining in service will be providing essential emergency information to the community.

- D. Disaster Assigned Employees - Many employees have been assigned duties by their departments to assist with official County Disaster Response/Recovery efforts. These employees should report to their regular work site or pre-designated work location as soon as conditions permit.
- E. Non-Disaster Assigned Employees - County employees in departments that do not have disaster related functions and who have volunteered as part of the County's Employee Volunteer effort should report to their pre-designated work assignment as soon as conditions permit. If disaster conditions preclude an employee from reporting to their County duty assignments, or their pre-designated volunteer assignment, or if an employee has not been designated to participate in official County efforts, we encourage them to participate in local disaster recovery activities within their community, such as the American Red Cross or other volunteer agencies offering assistance.
- F. Contact with Department - Employees who have been designated to report to work and are unable for any reason to do so should contact their supervisor/department by telephone. If telephone lines are down or conditions exist where contact by telephone cannot be accomplished, employees should make contact with their work unit as soon as possible. Employees designated for official County Disaster Response/Recovery efforts within their department or with the County Volunteer Program and those who are participating in local community disaster recovery, must keep their department informed of these activities.

2. County Duty -

- A. Coordination of Emergency Volunteer Program - The Department of Human resources will coordinate the Emergency Volunteer effort. County personnel will be members of a "Volunteer Hot Line". The Hot Line will receive and disseminate information including local disaster work assignments in which employees may participate. If a department director determines that an employee can be used more effectively by a local community group participating in disaster recovery efforts, the department will contact the Hot Line to advise them of the employee's availability.
- B. A list of employees who are participating in County Disaster Response/Recovery programs shall be maintained by each department.

Approval Signature:

Department of Human Resources Director: Sharon Wall

Date: April 30, 2001

SUBJECT: DISASTER RECOVERY: COMPENSATION

EFFECTIVE: April 30, 2001 **EXPIRATION DATE:** Five (5) Years

SUPERSEDES: August 29, 1996

AUTHORITY:

The Department of Human Resources is responsible for developing, implementing and updating policies and procedures supporting employment standards, programs and benefits as delegated by the Hillsborough County Administrator. *Please refer to Administrative Directive: Human Resources Policy and Procedure Development Authorization.*

PURPOSE:

To provide uniform procedures on the payment of wages during an impending or declared disaster and the disaster recovery period from that disaster.

POLICY:

Disaster assigned employees shall receive their regular rate of pay and overtime or compensatory time if applicable. Non-disaster employees shall receive their regular rate of pay for volunteering at their pre-assigned work location.

PROCEDURE:

1. Pre-Disaster / Disaster Period -

- A. Non-Disaster Assigned Employees - In the event of an impending or declared disaster, the County-Administrator may direct non-disaster assigned employees to not report for their regular duty assignments. The County Administrator may elect to grant up to five (5) days of wages for non-disaster assigned employees who are directed not to report to work. During this period, these employees must contact their supervisor daily to see if a work assignment is available.
- B. Disaster Assigned Employees - Disaster assigned employees will be paid in accordance with applicable law, Civil Service Rules and County policy. In addition to wages during the Pre-Disaster/Disaster Period, disaster assigned employees may receive additional time off for time worked (Compensatory Time) during this period based on the circumstances of the situation at the discretion of the County Administrator. *Please refer to Human Resources Policy - Compensatory Time.*

2. Post Disaster / Recovery Period -

- A. To receive wages during the Post Disaster/Recovery Period, an employee must be working in their designated official County Disaster or Disaster Recovery assignment, or their designated assignment with the County's Employee Volunteer Program, or as an approved official volunteer within the community, or be on approved annual leave.

If an employee is unable to report for their assigned disaster duties with their department or assigned duties with the County Employee Volunteer Program, the employee may request annual leave from their department. If an employee does not have annual leave accrued, the employee may be placed on an unpaid leave of absence.

Any employee not performing work for the County, County Employee Volunteer Program, or other approved volunteer program, will not receive wages during the Post Disaster/Recovery Period unless they are on approved sick/annual leave.

- B. It will be the department's responsibility to verify hours worked. Since departments are responsible for all wages paid to County employees during a Disaster/Disaster Recovery Period, departments should carefully scrutinize wages approved including those for volunteer work.

It will be the responsibility of the department director to assure that all grant funded employees be utilized in accordance with grant requirements.

- C. Under the provisions of this policy, employees will be paid at their regular rate of pay for all hours worked. Overtime pay will be paid in accordance with the requirements of the Fair Labor Standards Act. *Please refer to Human Resources Policy - Overtime.*

3. Collective Bargaining -

Members of collective bargaining units will receive wages and benefits in accordance with the collective bargaining agreement.

Approval Signature:

Department of Human Resources Director: Sharon Wall
Date: 4/30/01

APPENDIX D

RANDOM INSPECTION AND VIOLATION REPORT

SOLID WASTE FACILITY INSPECTION / VIOLATION REPORT

REPORT TYPE: ☐ INSPECTION ☐ VIOLATION ☐ LF RANDOM INSPECTION

LOCATION: _____ DATE: _____ TIME: _____

DELIVERING COMPANY: _____ FRANCHISE COLLECTOR: ☐ WMI ☐ EB ☐ KR
OTHER: _____

DRIVER NAME: _____ VEHICLE #: _____

VEHICLE TYPE ☐ FEL ☐ RO ☐ RL ☐ SL ☐ SEMI ☐ DUMP
OTHER: _____

CUSTOMER / GENERATOR: _____ TRANSACTION #: _____

TYPE OF WASTE:

<input type="checkbox"/> YARD WASTE	<input type="checkbox"/> INDUSTRIAL	<input type="checkbox"/> AUTO PARTS	<input type="checkbox"/> BY PASS WASTE
<input type="checkbox"/> C & DD	<input type="checkbox"/> INSULATION	<input type="checkbox"/> ASH RESIDUE	<input type="checkbox"/> ANIMAL WASTE
<input type="checkbox"/> FURNITURE	<input type="checkbox"/> AG WASTE	<input type="checkbox"/> ROOFING	<input type="checkbox"/> SPECIAL WASTE
<input type="checkbox"/> CARDBOARD	<input type="checkbox"/> FIELD PLASTIC	<input type="checkbox"/> METALS	
<input type="checkbox"/> COMMERCIAL WASTE	<input type="checkbox"/> HOUSEHOLD GARBAGE		
<input type="checkbox"/> OTHER: _____			

TYPE OF VIOLATION: ☐ FACILITY ☐ LOAD ☐ SAFETY ☐ CONTAINER

DETAILS: _____

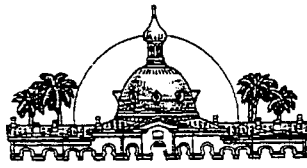
DRIVER COMMENTS: _____

RESULTS: ☐ ACCEPTED ☐ REJECTED ☐ RELOAD ☐ ALREADY IN PIT

INSPECTOR'S SIGNATURE: _____

ADDITIONAL COMMENTS: _____

APPENDIX E
SPECIAL WASTE PROGRAM



Hillsborough County
Florida

COUNTYWIDE SOLID WASTE PROFILE PROGRAM

GUIDELINES AND PROCEDURES

SPECIAL & GENERAL WASTE

Prepared By
Solid Waste Management Department
Management & Environmental Services Section
Revised August 2001

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COUNTYWIDE SOLID WASTE PROFILE PROGRAM

GUIDELINES & PROCEDURES

I. INTRODUCTION

The Hillsborough County Solid Waste Management Department ("Department") has established the following Guidelines & Procedures to enhance the effectiveness of the new Countywide Solid Waste Profile Program (Program). The Program is designed to identify all non-residential (including residential rental property, ie: condo associations, apartment complexes, manufactured housing communities, etc.) and residential "Special" (ie: asbestos) waste streams delivered to the Solid Waste Management system and to pre-screen materials prior to acceptance.

II. PURPOSE AND OBJECTIVES

The purpose of the Countywide Solid Waste Profile Program is to identify all non-residential solid and residential "Special" waste streams delivered to the Solid Waste Management System ("System"). The program is designed to pre-screen all non-residential solid waste prior to acceptance for disposal in the system. All commercial and/or industrial solid waste generators must receive Solid Waste Management Department (SWMD) approval to dispose of their solid waste streams into the system. Franchise Solid Waste Collectors may not collect and dispose of non-residential solid waste into the county's system unless the generator has prior approval.

The objectives of the Solid Waste Profile Program are to:

- preclude entry of hazardous or harmful waste into the Solid Waste Management System
- preclude leachate from becoming a hazardous waste
- prevent objectionable odors and vectors from becoming a nuisance problem
- ensure that delivered materials can be handled safely by County staff
- ensure reusable materials or prohibited materials are diverted to reclamation facilities.
- identify generator waste types and volumes coming into management system.

The objective of knowing what is going into the system is especially important when the health and welfare of the community is at stake. Therefore, the expansible development of this type of program should vigorously enhance waste disposal awareness to the general public and private sectors.

In 1988, the Federal Government mandated that Industrial type waste streams be laboratory tested using the Toxicity Characteristic Leaching Procedure (TCLP) thereby requiring the Solid Waste Management Department to review each waste profile application and pre-screen certain solid waste materials (See Florida fact sheet attachment for TCLP Rule and regulatory levels).

In Hillsborough County, a Solid Waste Management Department Waste Profile Committee (made up of 6 County staff personnel) was formed to assist in the expansion, management and administration of the Waste Profile Program.

The Countywide Solid Waste Profile Program requires careful analysis of a much wider range of non-residential materials deemed necessary for pre-screening by the SWMD's Waste Profile Committee. Frequent telephone conferences with other regional government agencies may at times be necessary in many cases. Occasionally, there are disposal requests for undesirable waste streams which will be considered unacceptable for disposal in the Solid Waste Management System, such as hazardous material, infectious or biomedical waste, contaminated waste, oily wastes from automotive sources and out-of-County wastes. There is a Hillsborough County policy not to accept soils (treated, untreated or clean-fill) and a zero tolerance for PCBs. Applications will not be reviewed until all supporting documentation (test analyses, MSDS, site descriptions, photos) have been submitted and placed with the application.

Countywide Solid Waste Profile applications determined by the SWMD to be acceptable for disposal in the County's System will receive disposal approval for a minimum term of one (1) year. The SWMD, however, reserves the right to cancel disposal privileges if it is determined that the Countywide Waste Profile application is no longer representative of the waste stream actually delivered to the County's Waste Management System.

III. FRANCHISED SOLID WASTE COLLECTORS' RESPONSIBILITIES:

1. Prior to any disposal, forward a Countywide Solid Waste Profile Application, sample and cover letter to each non-residential solid waste commercial/industrial generator (customer). An original Solid Waste Profile must be completed for all waste streams.
 - A. New Customers:
 - Distribute Countywide Solid Waste Profile form to new customers.
 - Application must be received, reviewed and approved by Department prior to acceptance in the system, i.e., collector may NOT dispose in system until Department issues approval of the solid waste stream.
 - B. Existing Customers (previously approved, but adding a different waste stream):
 - Complete and submit a Countywide Solid Waste Profile for the new waste stream.
 - Application must be received, reviewed and approved by Department prior to acceptance in the system, i.e., collector may NOT dispose in system until Department issues approval of the solid waste stream.
 - Complete a Change of Information (COI) for changes in service, change of address, ownership, or collector.
2. Should completed forms be returned to the Collector, upon review for completion by the collector, each form must be immediately forwarded to the SWMD for review
3. Franchise Hauler must provide a listing of their customers to the SWMD as needed.

Please see "General/Special Waste and Franchise Hauler Waste Profile Guidelines".

IV. CASH AND COMMERCIAL (CHARGE) ACCOUNT CUSTOMERS:

1. Commercial generators/ Self Haulers wishing to dispose of their own waste ("Self Hauler") must complete a Countywide Solid Waste Profile Application prior to any disposal for each waste stream. Commercial generators wishing to establish a Commercial (Charge) account must complete a Countywide Solid Waste Profile Application. A cover letter requesting a Commercial (Charge) account must be attached to the Countywide Solid Waste Profile Application

2. Determine what waste category the waste stream is in (based on application information received) and provide the supporting documentation needed. (Test analysis, MSDS, photos, etc.)
3. Return Waste Profile application and supporting documentation to the SWMD.

V. WASTE PROFILE ADMINISTRATIVE ACTIVITIES:

1. As waste profile applications are received by the SWMD, the Waste Profile Coordinator (WPC) shall compile, review, computer input application tracking data, produce generator instructions letter, pre-screen materials (site inspection) and file application packages.
2. Computer Tracking Document Information:
 - date received
 - waste profile form number
 - generator name and address
 - approval/rejection status
 - application review processing time
3. Review Application for Completeness:
 - Determine Category of Waste Streams (see Application Review Process -item 1)
 - Ensure all applicable items on form are completed.
 - Verify generator Sign-off of form by Company Representative
 - Obtain supporting documentation
4. Review Processing Time - respond in approximately 1-30 working days from the time application is received by the Department. (Depending upon the nature of the waste stream.)
5. During the review process, All generator waste streams must be place in categories A, B, or C: **(Please refer to pages with supplemental information for waste categorization).**

Category A waste - requires laboratory analysis and MSDS, must verify necessary data attached and must be routed for committee review/comments. Includes, but not limited to, such materials as, any industrial sludges, alum process residue, diatomaceous earth (filter cake), black beauty sand blast grit, incinerator ash, excavated landfill debris, and barricade batteries.

Category B wastes -may or may not require laboratory analysis, will require MSDS, however, some of these waste materials may require special handling and be routed for committee review. Includes, but not limited to, such materials as: asbestos, empty containers, inert materials, ceramic saddles, damaged foodstuffs, oil filters, veterinarian waste (animal cadavers), pharmaceuticals and artificial potting media.

Category C wastes - all other materials that do not require any testing or specific requirements prior to disposal (acceptable as is). Includes but not limited to; construction & demolition debris (C&DD), yard waste, office trash, vermiculite,.

6. During the review process, determine applicability of a site visit (on-site inspection) of waste materials.
 - Contact waste Generator to schedule visit.
 - Upon arrival at waste site, interview environmental coordinator.
 - Request permission to photograph material, if necessary.
 - Prepare Memo.
7. Route all **Category A** applications (packets) and **Category B**, if necessary, through the Waste Profile Committee for review/comment. **Category C** waste will be handled as described in the attached Waste Profile Guidelines and Instructions.
 - A. The Waste Profile Committee consists of 5 staff members and the Department Director.
 - B. The Waste Profile Committee will determine the appropriate disposal facility.
 - processable - Resource Recovery Facility
 - non-processable - Southeast Landfill
8. Upon completion of the Committee's review a letter of acceptance/rejection is prepared.
9. The Letter is sent to the Director for final decision and signature.
10. Upon return to the Committee the letter of acceptance/rejection is sent to the generator. A copy of application package is mailed to the Collector, Disposal Facility, and to Local and State Environmental agencies.
11. The Computer data base tracking document will be updated and the hard copy will be placed on file.

VI. APPLICATION RENEWALS AND EXTENSIONS:

1. Renewals (2 options)
 - A. Franchised Collector (General/Special Waste)
 1. A computer generated list of all Countywide Solid Waste Profile Applications due to expire will be sent to the Collector to review 45 days before expiration.
 2. The Collector is to review this information for accuracy and return it to the SWMD within 15 days
 3. The Waste Profile Coordinator (WPC) will review the Countywide Solid Waste Profile Applications, make corrections to the database, and generate renewal letters.
 4. The Franchised Collector, the Solid Waste Management Department disposal facility, and all other parties will receive a copy of the renewal letter.
 - B. Special Waste and "Self Hauler"
 1. The generator or Franchised Hauler is contacted 30-45 days prior to expiration.
 2. The WPC will review the application, request updates on testing, etc.
 3. Extensions for disposal privileges will be granted on a case-by-case basis.

NOTE: Please see the following supplemental attachment pages.

**VII. GENERAL/SPECIAL WASTE AND FRANCHISED HAULER
WASTE PROFILE GUIDELINES
(Additional Information)
HILLSBOROUGH COUNTY
SOLID WASTE PROFILE PROCEDURE**

ALL COMMERCIAL customers of the Franchised Haulers must be approved for disposal at the Hillsborough County's facilities. Service should not be scheduled until a completed Waste Profile has been approved by the Solid Waste Management Department. This includes Curbside/Residential type service, construction sites, one time disposals, special waste disposal, and temporary residential C&D containers. Franchised Hauler customers' waste **will not** be accepted at any of Hillsborough County's facilities unless an approved Waste Profile is on record.

ALL Franchise commercial customers must complete an **original** Waste Profile form for each separate waste stream (see Franchise Agreement Attachment), unless previously approved (see below). **No faxed or photocopies will be accepted.** The Generator (Business) should complete the form....**not** the Franchise Hauler (The Franchise may assist) or a 3rd party management company. General Waste approvals/rejections will be faxed to the Hauler upon review, generally within 48 hours. Final approval/rejection notification will be in the form of a copy of the letter. Special Waste Profiles will be handled in the manner mentioned in the Special Waste section, **Section V**, above. Approval/Rejection letters will include instructions in the proper disposal of the waste stream and the facility where the waste is to be taken. (See Franchise Hauler Agreement, below.)

The completed form should be reviewed by the Franchise Hauler before forwarding to the SWMD. If information has been omitted by the customer, the Franchise Hauler can complete the form. Please insure that the information is correct before forwarding to the SWMD. Incomplete or inaccurate information will delay the approval process and the forms will be returned to the Franchised Hauler. The Franchise Hauler should return the corrected information to the SWMD within 48 hours in order to facilitate processing of the waste profile application. The SWMD will keep a log of all Waste Profiles not returned to the SWMD. This log will be turned over to the SWMD Franchise Coordinator for further action.

Previously Approved or Change of Information

It is suggested that the Franchise Hauler ask new customers if they were previously serviced by another hauler. A copy of the SWMD data base will be provided to the Hauler several times a year and must be used **ONLY** for the Waste Profile program. If previously profiled, a **Change of Information (COI)** form should be completed with the profile number and expiration date noted, as provided by the SWMD. This form may be faxed to the SWMD. It is suggested that the Franchise supply photocopies of a Change of Information to their Customer Service Department and Sales Force for this purpose.

The above procedure will also apply to previously approved Franchise customers who have changed the business' name, address, ownership, or service (frequency or container size). Change of ownership requires a signature. **Changes in or additional waste streams/service require that a new Solid Waste Profile form be completed with a note attached explaining same.**

Franchise Haulers must supply the SWMD with current updates of new and cancelled customers (with the reason, if known) as the changes occur so that the SWMD may have a current and accurate database. This may be done daily by fax, but Franchised Haulers **MUST** notify the SWMD by fax **WEEKLY**, by noon Monday, of new customers, canceled customers, change of service addresses, etc.

The Franchised Hauler must provide the SWMD with a copy of their Commercial Customer database when requested. This should be in Excel format and include the name of the Business, the service address, the waste stream being serviced, the disposal facility, and a customer ID number. This will assist the county in keeping an accurate data base and ensuring compliance with the Franchise Collector contract.

Commercial Customers receiving Residential/Curbside Service

Commercial Customers receiving Residential/Curbside Service must also be profiled. This includes Manufactured Housing Communities. The SWMD will endeavor to assist the Franchised Collector in profiling these customers.

Construction Site/Temporary (One Time) Containers

All containers/service for non-reclaimable waste going into the "System" must be profiled. A "T" should be placed in the upper right hand corner of the Waste Profile form (next to the SWMD number) with the proposed length of time for disposal noted in Part C-3. This procedure is to be used for ALL short-term disposal for periods of less than 6 months. Office Trailer (Site Office) waste is restricted to Office Waste and the container must not exceed 4 yards.

Service can NOT begin until the Waste Profile has been reviewed and approved by the SWMD. Servicing accounts WITHOUT county approval is a violation of the Franchised Collector's contract with the county. (See Franchise Collector's Contract)

See Attachments for additional Information.

VIII.

ATTACHMENTS & SAMPLES

COUNTYWIDE SOLID WASTE PROFILE PROGRAM
CATEGORIES AND DESCRIPTION OF MATERIAL
(AS DEFINED IN SECTION V (5))

CATEGORY "A" WASTES

- 1. Industrial Process & Manufacture** - Waste produced from industrial sources that can be disposed of at the Southeast County Landfill, may include but is not limited to:

Black Beauty Sand Blast
Filter Cake/Clay
Paint Sludge
Alum Residue
Metal Slag
Alar Sludge
Celite - (Diatomaceous Earth)
Incinerator Ash
Barricade Batteries (6 vlt & 12 vlt) (Green/Environmentally Friendly)
Sludges (from wastewater treatment)
Spent Lime Dust
Solidified sulphur
Plastics & Fiberglass Residue
Creosote Treated Waste (Railroad Ties, Electric Poles, other Wood products, etc.,)
Note: At present, this material can only be disposed of at the Resource Recovery Facility. The Florida Department of Environmental Protection (FDEP) is currently reviewing the proper disposal procedures for this waste.

- 2. Dry Cleaning/ Laundry Establishments** - The generator must indicate whether this material is a solid, liquid or mud-consistency. This would include:

Wastewater Sludges from commercial Laundries/Laundromats sources

CATEGORY "B" WASTES

- 1. Asbestos Containing Materials** - These materials may be generated from residential as well as industrial sources and will require special handling. They include such wastes as:

Ceiling Tiles
Floor Coverings
Wall board (siding, paneling)
Roofing Shingles
Walls/Ceiling Spray Covering
Fibrous Pipe Insulation

- 2. Medical/ Veterinary/Pharmaceutical** - This waste includes materials produced by medical practitioner, medical clinics, nursing homes, Hospitals, medical testing laboratories and Veterinary hospitals and their test labs. Untreated biomedical waste and medical "*sharps*" will not knowingly be accepted in the Solid Waste Management System. This waste includes but is not limited to:

- Used Diapers
- Outdated Medicines
- Animal Feces (Manure)
- Animal Cadavers
- Test Tubes
- Dried Gauzes / Q-tips
- Specimen Cups
- Throat Cultures

- 3. Automotive Service** - Petroleum contaminated material must not be co-mingled with processable or non-processable waste streams. The Solid Waste Management Department will not knowingly accept Oil or "*Oily wastes*" in its waste management system. Acceptable materials include but are not limited to:

- Oil Filters (drained) - may be co-mingled with other processable materials (paper rags, plastic, etc.).
- Empty Containers
- Auto parts & Equipment (free of petroleum)
- Abandon Vehicles
- Air Filters
- Brake Linings
- Used Tires & Tubes

- 4. Agricultural/Nursery Retail** - Soil (dirt) must be separated from these types of waste streams. **NO soil (dirt) will be accepted.** This waste includes but is not limited to:

- Artificial Potting Media
- Plants/Vegetation
- Plastic Potting
- Trees
- Plastic Mulch (Farming)
- Vermiculite

- 5. Photo Film Processing** - Hazardous photo processing chemicals (liquids) must be separated from this type of waste stream. Examples of this waste are:

- Inked Paper
- Empty Fixer Developer (rinsed container)
- Replenisher Cartridges
- Xray Film
- Printing Process Stabilizer

- 6. Outdated Beverages & Foodstuffs** - The following waste types may require special handling:

- Beer
- Wine
- Alcohol Drink Mixes
- Coffee
- Seafood (shrimp hulls, breaded fish)
- Frozen Fish Product

CATEGORY "C" WASTES

- 1. Construction Demolition Debris** - Soil (dirt) will **not** be accepted in the Solid Waste Management System. The generator will be responsible for separating all soil. This waste includes but is not limited to:

- Drywall & Finishing Compound
- Treated (painted) Wood & Metal Framing
- Cement Solids
- Rock & Gravel
- Tar Paper
- Brick
- Sheetrock (wall board)
- PVC Pipe
- Asphalt

- 2. Retail/Office** - Recycling and Waste Reduction must be a part of the focus when dealing with these waste types. Examples of this are:

- Office Paper
- Plastic Items
- Damaged & Outdated Foodstuffs
- Empty Containers
- Grease (from food service grease traps)
- Produce (spoiled)
- Cardboard Boxes

NON-ACCEPTABLE WASTES

The following materials are considered *unacceptable* in the Solid Waste Management System.

Hazardous Wastes (substances ignitable/flammable, corrosive, reactive or toxic)

Out-of-County Waste Streams

Soil (dirt)

Polychlorinated Biphenols (PCBs)

Liquid Wastes (including but not limited to paints, solvent, fuels and water based materials).

Radioactive Materials

Bio-hazardous (Biomedical) Wastes (infectious/red bag wastes)

Street Sweepings (Containing Soil)

Shredder Fluff (shredded or graded materials from the Automotive Scrap Industry)

Crankcase Oil (Petroleum Contaminated-Oily waste)

Explosives (ammunition, flares, chemicals, etc.)

Toxic Substances containing concentrations of **Heavy Metals**

55 gal. Drums (sealed, unidentified/unknown Materials)

Office Computer Equipment (from commercial sources)

Cathode Ray Tubes (television picture tubes)

Fluorescent Lamps

Heavy Metals

WASTE PROFILE APPLICATION SUPPLEMENTAL INFORMATION

DEFINITIONS:

- **Hazardous Waste** – any substance that may exhibit ignitability, corrosivity, reactivity or toxicity characteristics as defined in 40 CFR PART 261.
- **RCRA** – (Resource Conservation and Recovery Act) – was enacted in 1976 to address the problems of how to safely dispose of large volumes of municipal and industrial waste.
- **D.O.T.** – (Department of Transportation) regulates the transportation of hazardous materials by all modes (rail, highway, air, and pipeline).
- **Industrial Solid Waste** – means solid waste generated by manufacturing or industrial process that is not a hazardous waste. Such waste may include, but is not limited to waste resulting from the following manufacturing process: electric power generation; fertilizer/agricultural chemicals; food and related products and inorganic chemicals.
- **Biohazardous (Biomedical) Waste** – means any solid or liquid waste that may present a threat of infection to humans. Examples include laboratory and veterinarian waste which contain human disease-causing agents; discarded sharps; blood; blood products and body fluids from humans and primates.
- **Processable Waste (Incinerator)** – any combustible (burnable) solid waste including household garbage, cardboard, paper, plastic and wood products.
- **Non-Processable Waste (Landfill)** – non-combustible (non-burnable) solid waste included Construction & Demolition Debris (C&D) such as steel, concrete, brick, asphalt roofing material and ash.

II. ACCEPTABLE WASTE STREAMS (**Some Materials may Require Analytical Testing*)

The following wastes are some of the materials that may be considered to be acceptable for disposal in the Solid Waste Management System.

Landfill

- *Filter Cake Sludge (diatomaceous earth)
- *Black Beauty Sand Blast Grit
- *Incinerator Ash
- *Asbestos Containing Material (ACM)
- Dead Animals
- Empty Containers (metal)
- Used Tires
- C & DD (rocks, plastic, gravel, etc.)
- *Wastewater Residuals (no liquids or soil)
- Plastic Mulch (Farming)

Resource Recovery Facility

- Office Paper
- Empty Containers (Plastic)
- Cardboard
- Incidental Wood Products
- Pharmaceuticals
- Household Garbage
- Rags
- Creosote Treated Products (small qty. 4ft)

III. UNACCEPTABLE WASTE STREAMS

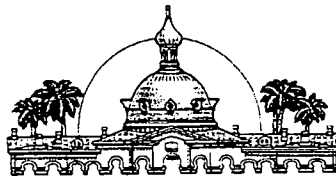
The following wastes are some of the materials considered to be unacceptable for disposal in the Solid Waste Management System:

- Hazardous Wastes
- Fluorescent Bulbs
- Batteries- containing heavy metals such as mercury, cadmium, lead, etc.
- Computer/Electronic Components (all)
- Biomedical Waste (Bio-hazardous) Waste (infectious, red-bagged, sharps, needles, etc.
- Liquid Wastes (free liquid sludges, paints, solvents, fuels, water, photo processing chemicals, etc.
- Soil (dirt, mud, sod, etc.)
- Materials containing Polychlorinated Biphenols (PCBs)
- Petroleum contaminated products (Oily waste)

TOXICITY CHARACTERISTIC RULE

The compounds that are now covered by the Toxicity Characteristic Rule and their regulatory level are listed below. If you do not find the chemical name on the list of ingredients, check for the CAS No. found on the Material Safety Data Sheet (MSDS).

EPA HW No.		Regulatory level mg/l	CAS No.
SOLVENTS			
D018	Benzene	0.5	71-43-2
D019	Carbon Tetrachloride	0.5	56-23-5
D021	Chlorobenzene	100	108-90-7
D022	Chloroform	6	67-66-3
D023	o-Cresol	200	95-48-7
D024	m-Cresol	200	108-39-4
D025	p-Cresol	200	106-44-5
D026	Cresols	200	
D027	1,4-Dichlorobenzene	7.5	106-46-7
D028	1,2-Dichlorethane	0.5	107-06-2
D029	1,1-Dichloroethylene	0.7	75-35-4
D030	2,4-Dinitrotoluene	0.13	121-14-2
D032	Hexachlorobenzene	0.13	118-74-1
D034	Hexachloroethane	3	67-72-1
D035	Methyl Ethyl Ketone	200	78-93-3
D036	Nitrobenzene	2	98-95-3
D038	Pyridine	5	110-86-1
D039	Tetrachloroethylene	0.7	127-18-4
D040	Trichloroethylene	0.5	79-01-6
METALS			
D004	Arsenic	5	7440-38-2
D005	Barium	100	7440-39-3
D006	Cadmium	1	7440-43-9
D007	Chromium	5	7440-47-3
D008	Lead	5	7439-92-1
D009	Mercury	0.2	7439-97-6
D010	Selenium	1	7782-49-2
D011	Silver	5	7440-22-4
PESTICIDES and other organic compounds			
D012	Endrin	0.02	72-20-8
D013	Lindane	0.4	58-89-9
D014	Methoxychlor	10	72-43-5
D015	Toxaphene	0.5	8001-35-2
D016	2,4-D	10	94-75-7
D017	2,3,5-TP (Silvex)	1	93-72-1
D020	Chlordane	0.03	57-74-8
D031	Heptachlor (and its hydroxide)	0.008	76-44-8
D033	Hexachloro-1,3-butadiene	0.5	87-68-3
D037	Pentachlorophenal	100	87-86-5
D041	2,4,5-Trichlorophenol	400	95-95-4
D042	2,4,6-Trichlorophenol	2	88-06-2
D043	Vinyl Chloride	0.2	75-01-4



Hillsborough County
Florida

BOARD OF COUNTY COMMISSIONERS

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NOTICE

EFFECTIVE OCTOBER 1, 1997

COUNTYWIDE SOLID WASTE PROFILE PROGRAM

The Hillsborough County Solid Waste Management Department (SWMD) has developed a Countywide Solid Waste Profile (Program) that will assist in identifying *all* non-residential solid waste streams generated in Hillsborough County and delivered to the Solid Waste Management System (System).

The purpose of this "Notice" is to inform you of the Program's requirement that a Countywide Solid Waste Profile application must be completed and returned to the SWMD prior to waste disposal in the System. The SWMD may require waste generators to provide additional back-up information (Laboratory analysis, MSDS, certification letters, etc.) to support their application..

Upon receipt of the completed application, the SWMD Waste Profile Committee will review each application on a case-by-case basis and make recommendations to the Department Director for approval or rejection of the request for solid waste disposal.

The Program is designed to pre-screen *all* non-residential solid waste prior to acceptance for disposal. An on-site inspection by SWMD personnel may be necessary to verify the Applicant's waste generation process and/or the waste materials. The generator will be contacted to schedule a site inspection if required.

Countywide Solid Waste Profile Applications determined to be acceptable will receive disposal approval for a minimum term of one (1) year. The SWMD, however, reserves the right to cancel disposal privileges if it is determined that the Countywide Solid Waste Profile application is no longer representative of the material delivered to the System.

Franchised Solid Waste Collectors under contract to Hillsborough County must have *all* non-residential customers complete a Countywide Solid Waste Profile application. *Franchise Collectors may not collect and dispose of non-residential solid waste unless the generator has approval from the SWMD to utilize the system.*

Should you have any questions regarding this program, please contact Ernie Mayes at 276-2930.

Franchised Collector Contract Agreement (excerpts)

11.2 Waste Profile Program

Section 11.2.1 The Franchise Collector shall be responsible for complying with all aspects of the County's Waste Profile Program which will be implemented at the start of the new collection services on October 1, 1997.

Section 11.2.2 The Franchise Collector shall insure that all Commercial customers have a valid Waste Profile Approval from the County prior to providing commercial collection service.

Section 11.2.3 Should a commercial customer not have a Waste Profile approval from the County, the Franchise Collector shall be required to secure a completed Waste Profile Form from the Commercial Customer. The Franchise Collector shall submit the completed Waste Profile Form to the County for approval. Commercial Collection Services shall not be provided until the Commercial Customer receives County approval.

SECTION 5 DESCRIPTION OF COMMERCIAL COLLECTION SERVICE

- 5.1.1 Commercial Collection Service, which generally applies to front-end or roll-off type collection service, shall be provided to those Commercial Establishments and Residential Units which request this type of service. Commercial Collection Service shall include Processable collection, Non-Processable collection, and Yard Waste collection.
- 5.1.3 The Franchise Collector shall collect Yard Waste separate from other Solid Waste.
- 5.1.4 The Franchise Collector shall collect Non-Processable Solid Waste separate from other Solid Waste.

COMPLETING A COUNTYWIDE WASTE PROFILE FORM

Franchise Haulers should provide a copy of the sample with each Waste Profile form.

PART A GENERAL INFORMATION

1. **BUSINESS NAME:** Give the name of the facility/site where the waste is generated. *This is the name that appears on the business location, not a management company or a commercial property owner (other than residential). Example: World One handles the accounts for Windway Property Mgmt. who owns the office complex known as Tampa Gardens. Windway has an account with World One who has the account with the Franchised Hauler. World One is a 3rd party and has nothing to do with the generation of the waste stream. Tampa Gardens **must** appear on the waste profile form as this is the name of the property/site. You can include Windway in the business name.*
2. **SIC CODE:** This is the 4-digit Standard Industrial Classification Code for the facility/site.
3. **TYPE OF BUSINESS:** The nature of the business, ie: *Hotel, Office Complex, Auto Repair, etc. If multi-purpose/multi-tenant a list of tenants must be attached.*
4. **BUSINESS LOCATION:** The complete physical address of the business including street number, street, city, state, and zip. *Do NOT use something like "the south corner of HWY 60 and Dover Rd".*
5. **DIRECTIONS TO THE FACILITY:** *The directions to the business/site shown in line 1. The nearest cross street may be used.*
6. **TECHNICAL CONTACT:** The first and last name of the person at the business/site who has technical knowledge of the waste being generated and who can be contacted by the County should there be a problem.
7. **PHONE NUMBER:** The phone number for the Technical Contact above.
8. **COLLECTOR'S NAME:** The Franchised Hauler OR the company responsible for hauling the waste.
9. **PHONE/FAX:** The fax number of the business/site.
10. **GENERATOR MAILING ADDRESS:** *This is the mailing address of the Technical Contact. (Not necessarily the Billing Address and NOT the mgmt. company/3rd party.)*

B. WHAT IS THE GENERAL NATURE OF THE WASTE (check all that apply)

This is the type of waste being generated, ie: A nursery/farm may generate agriculture type waste, ie: plant clippings, pots, packaging, etc. (1.) and Residential waste (8.) If the business is a doctor's office the general nature of the waste should be Retail/Office (7.), by checking #5 the customer would be saying that he is disposing of medical waste and could delay the approval process. If a multi-use complex with an auto mechanic, an office, a convenience store, etc. #'s 2 & 7 should be checked. **A list of Tenants MUST be attached to the Waste Profile for all multiple use and multiple tenant customers.**

C. SOLID WASTE CHARACTERIZATION

This section is for additional information pertaining to the waste generated.

1. **NAME OF WASTE:** Describe the waste being generated (what is being put into the container.) **This must be completed by the Customer/Generator. Do not use Generic terms, ie: General Waste, Solid Waste, etc. List what will be going into the container. The Franchised Hauler may assist the customer.**
2. **CURRENT METHOD OF DISPOSAL:** How was the waste previously disposed of, ie: self hauling, curbside pickup, etc.
3. **FREQUENCY OF DISPOSAL:** The number of times waste is being picked up per week, or month, or year.
4. **QUANTITY GENERATED:** The size of the container(s) or the amount of waste being disposed of. (size of container times the Disposal Frequency)
5. **PHYSICAL STATE:** Check the physical state that most closely describes the waste stream.
6. **EMPTY CONTAINER TYPE:** Provide the type and number of containers being disposed off if the nature of the business is one that disposes of containers on a regular basis. An example would be a paint company with paint cans and cardboard boxes making up a portion of the waste stream.
7. **IS THIS A RCRA or D.O.T. HAZARDOUS WASTE?** Yes or No? (RCRA – Resource Conservation Recovery Act or D.O.T. – Department of Transportation)
8. **ARE THERE ANY FREE LIQUIDS PRESENT?** Answer YES or NO (Indicate Test Method.) **Part 7 & 8 generally refers to Special Waste. This is not for most waste streams generated by most commercial businesses.**

PART D: SAMPLING CRITERIA

Industrial and commercial solid waste will normally require testing to determine acceptability of the waste. MSDS may also be required. **This will not usually apply to most commercial waste. This section is generally for Special Waste. Write NA (Not Applicable) across the section.**

PART E: GENERATOR'S CERTIFICATION

By signing the Countywide Solid Waste Profile Form, the waste generator certifies that the statements in items 1, 2, 3, and 4 of the form, are true and accurate with respect to the waste listed. **Waste Generator MUST complete this section in its entirety.** Should a Customer/Generator alter this section, the Waste Profile will be rejected and disposal will be denied.

- 1.-6: Franchise customer must attest to the conditions of the waste stream.
7. **SIGNATURE:** An **authorized** employee or representative of the waste generator must sign the form. This should be someone who is authorized to make decisions for the business (not a busboy, a part-time worker, etc.)
8. **TITLE:** The above's job title.
9. **NAME:** Legibly print or type this person's name (First, MI, Last)
10. **DATE:** Enter the date the form was signed.



Hillsborough County Solid Waste Management Department
COUNTYWIDE SOLID WASTE PROFILE FORM

SWMD

PLEASE RETURN FORM TO:

Hillsborough County Solid Waste Management Department
P.O. BOX 1110
TAMPA, FL 33601-1110
ATTN: Management and Environmental Services Section

COUNTY USE ONLY

Approved _____ Rejected _____
Disposal Facility _____
Expiration Date _____
Special Instructions _____
Reviewed By _____

PART A. GENERAL

1. Business Name (NAME OF BUSINESS GENERATING WASTE. NOT A MGMT CO OR THIRD PARTY CO.) _____
2. SIC Code (STANDARD INDUSTRIAL CLASSIFICATION CODE. CODE ASSIGNED BY STATE FOR THE BUSINESS) _____
3. Type of Business (GENERAL DESCRIPTION OF BUSINESS. AN EXAMPLE WOULD BE A SHOPPING/BUSINESS CENTER) _____
4. Business Location (COMPLETE PHYSICAL ADDRESS OF BUSINESS) IE: 100-144 MAIN ST.
(Street) (City) (State) (Zip Code)
5. Directions to Facility (DIRECTIONS FROM NEAREST CROSS STREET/INTERSECTION) _____
6. Technical Contact Person (FULL NAME OF A LOCAL PERSON TO CONTACT IN CASE OF A PROBLEM) _____
7. Phone (CONTACT'S LOCAL #) _____
8. Collector's Name (Hauler) (NAME OF COMPANY HAULING WASTE) _____
9. Phone/Fax (CONTACT'S FAX #) _____
10. Generator's Mailing Address (LOCAL MAILING ADDRESS FOR TECHNICAL CONTACT. NOT NECESSARILY THE BILLING ADDRESS) _____

PART B. What is the general nature of your waste (Check all that apply): NOT SAME AS TYPE OF BUSINESS

1. ☐ Agricultural/Nursery Retail
2. ☐ Automotive Service
3. ☐ Dry Cleaning/Laundry Establishments
4. ☐ Industrial Process/Manufacturing
5. ☐ Medical/Veterinary/Pharmaceutical (CHECK ONLY IF WASTE IS OTHER THAN OFFICE WASTE.)
6. ☐ Photo Film Processing
7. ☐ Retail/Office
8. ☐ Other IE: RESTAURANT, CONSTRUCTION SITE
(Describe) _____

PART C. SOLID WASTE CHARACTERIZATION: (Please complete a separate form for each type of

1. Name of Waste (BE SPECIFIC: PAPER, PLASTIC, FOODSTUFFS, ETC.) (NON-PROCESSIBLE AND YARDWASTE NEED SEPARATE FORM) _____
2. Current Method of Disposal (HOW WAS WASTE PREVIOUSLY DISPOSED OF?) _____
3. Frequency of Disposal (TIMES SERVICED/PICKED UP BY COLLECTOR PER SERVICE CONTRACT) _____
4. Quantity Generated (SIZE OF CONTAINER/DUMPSTER) Per Week (#3 X's #4) _____ Month _____ Year _____
5. Physical State Solid _____ Liquid _____ Semi-Solid _____ Other (Describe) _____
6. Empty Container Types (PAINT CANS, ETC.) _____ How Many? (Per Week, Month, Year) _____
7. Is this a RCRA or D.O.T. hazardous material? (As defined in USEPA 40 CFR PART 260.10) _____ YES _____ NO
8. Are there any Free Liquids present? _____ YES _____ NO
(#6, 7, 8 DO NOT NORMALLY APPLY TO MOST WASTE STREAMS. FILL IN ONLY WHEN WASTE IS OF A POSSIBLE HAZARDOUS NATURE.)

PART D. SAMPLING CRITERIA

Some industrial/commercial wastes require analytical testing data to determine if they are acceptable for disposal in the Solid Waste Management System. The Hillsborough County Solid Waste Management Department (HCSWMD) may require additional information on your waste stream. (Please see instruction sheet.) The HCSWMD reserves the right to require additional analysis of waste prior to, or subsequent to acceptance for disposal.

(USE NA (NOT APPLICABLE) UNLESS WASTE IS OF THIS NATURE.)

1. Indicate current method used to determine the physical and chemical composition of the waste.

_____ TCLP _____ OTHER (Describe): _____

2. A copy of current test results are to be submitted with this form. Attached? Yes _____ No _____

PART E. GENERATOR CERTIFICATION

By signing this form, generator certifies that, unless clearly stated above:

1. This waste is not hazardous waste (as defined by the USEPA 40 CFR Part 260.10) Federal Regulation or other State and Local Regulations.
2. This waste does not contain any levels of Polychlorinated Biphenols (PCBs).
3. This waste does not contain any infectious, biomedical, or biohazardous waste materials.
4. This waste does not contain any soil (dirt) material.
5. This form contains a true and accurate description of the waste material to be disposed.
6. All relevant information regarding known or suspect hazards in possession of the generator has been disclosed.

NOTE: Should any changes occur in the character of the solid waste, the generator shall immediately notify the Hillsborough County Solid Waste Management Department.

TITLE OF PERSON DESIGNATED BY BUSINESS AS ITS
REPRESENTATIVE

7. _____ 8. _____
Signature Title

9. PRINT OR TYPE NAME OF SIGNER 10. DATE SIGNED

Name (Type or Print)

Date

REV. AUG 2001

HCSWMD-007-1 9/97

WHITE - Department

CANARY - Collector

PINK - Customer

A-11



Hillsborough County Solid Waste Management Department
WASTE PROFILE CHANGE OF INFORMATION REPORT

★ MUST BE COMPLETED BY CUSTOMER

1. APPROVED WASTE PROFILE #: _____

2. GENERATOR/BUSINESS NAME (as approved):

3. SERVICE ADDRESS (as approved):

4. TYPE OF CHANGE:

OWNERSHIP ☐ ADDRESS ☐ NAME ☐ HAULER ☐ OTHER ☐ _____

NEW INFORMATION:

5. GENERATOR NAME: _____

6. HAULER: _____

7. SERVICE ADDRESS: _____

★ 8. TECHNICAL CONTACT: _____ PHONE #: _____

★ 9. MAILING ADDRESS (NOT Billing address, 3rd Party, etc.)

10. CONTAINER SIZE: _____ DISPOSAL FREQUENCY: _____

★ 11. DESCRIBE WASTE (BE SPECIFIC) _____

★ 12. REQUIRED IF NEW OWNERSHIP

SIGNATURE

TITLE

PRINTED NAME

DATE

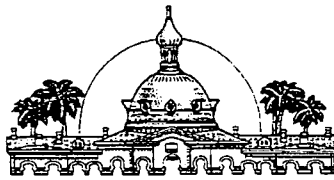
COUNTY USE ONLY

APPROVE ☐ REJECTED ☐ _____

DISPOSAL FACILITY _____

SPECIAL INSTRUCTIONS _____

EXPIRATION DATE: _____ REVIEWED BY: _____



Hillsborough County
Florida

Office of the County Administrator
Daniel A. Kleman

January 12, 2000

BOARD OF COUNTY COMMISSIONERS

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Jim Norman
Jan K. Platt
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Ronda Storms

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Patricia Be...

Assistant County Administrators
Kathy ...
Edwin ...
Anthony ...

SAMPLE

Mrs. Debbie Taylor
Humane Society of Tampa Bay
3607 N. Armenia Ave.
Tampa, Florida 33607

Dear Mrs. Taylor:

The Hillsborough County Solid Waste Management Department (SWMD) has received and reviewed your **Countywide Solid Waste Profile Form** and supporting documentation for **Humane Society of Tampa Bay**. The SWMD approves the renewal for solid waste disposal at the **Southeast County Landfill**.

Application No: SWMD 10050-1

Type Waste: Dead Animals (mostly Cats & Dogs)

Disposition: APPROVED

Expiration Date: 1-31-2002

This approval is subject to the following conditions:

NO INFECTIOUS MATERIALS WILL BE ACCEPTED. DEAD ANIMALS MUST BE WRAPPED AND SEALED IN HEAVY PLASTIC AND MUST BE EITHER FROZEN OR PARTIALLY FROZEN PRIOR TO DELIVERY. SPECIAL HANDLING IS ADVISED TO AVOID NUISANCE ODORS AND VECTORS. THE GENERATOR MUST NOTIFY THE LANDFILL AT LEAST ONE (1) HOUR PRIOR TO TRANSPORTING THE WASTE IN AN ENCLOSED DUMPSTER. THE GENERATOR MUST BRING INDEMNIFICATION FORM TO DISPOSAL SITE.

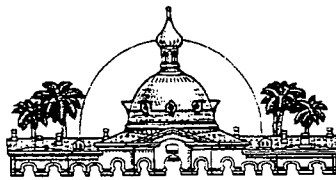
Should you have any questions, please contact Ernie Mayes at 276-2930.

Sincerely,

Daryl Smith, Director
Solid Waste Management Department

DHS/em

cx: Matt Matthews, Senior Eng. SWMD
Chester McKinney, WMI, Southeast County Landfill



Hillsborough County
Florida

Office of the County Administrator
Daniel A. Kleman

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Edwin Hunzeker
Anthony Shoemaker

SAMPLE

ANIMAL CADAVER INFECTIOUS WASTE
CERTIFICATION LETTER

Profile No.

Solid Waste Management Department
Waste Profile Committee
PO Box 1110
Tampa, FL 33601

Dear Sirs:

This is to certify that no known infectious animal cadavers will be delivered to the Solid Waste Management System from this establishment.

I also certify that no sharps, Bio-Hazardous waste (red bags) or other types of medical waste will be placed in the bags with animal cadavers and parts for disposal in the Solid Waste Management System.

I further certify that I have read and fully understand all special handling requirements for disposal of dead animal waste and will adhere specifically to these requirements. (See attachment.)

Signed By:

Print name:

Title:

Company Name:

Date:

NOTE: Please return this letter to the above address.

SAMPLE

**SPECIAL HANDLING REQUIREMENTS
FOR
DEAD ANIMAL WASTE**

1. The Generator (you) is required to certify that no animal remains are known to be infectious, by signing a certification letter prior to delivery to the Solid Waste Management System.
2. The Generator is also required to complete a Countywide Solid Waste Profile Form and submit it to the Solid Waste Management Department (SWMD). The Form can be obtained from the Southeast County Landfill or the SWMD's Administrative office at 601 E. Kennedy Blvd., Tampa FL 33601.
3. Animal waste must be wrapped in 6 mil. Plastic and must be either frozen or partially frozen prior to delivery.
4. It is recommended that animal waste loads be delivered to the landfill each day prior to 10:00 AM.
5. It is necessary that animal waste be covered daily as soon as it is delivered to the landfill. Therefore, an advanced notice of one (1) hour is required prior to delivery.
6. All Animal Waste must be transported in such a manner that leakage or spillage from the delivery vehicle will be prevented.

SAMPLE

*****NOTICE TO GENERATOR*****

PLEASE COMPLETE THE ATTACHED FORM WITH AN ORIGINAL SIGNATURE PRIOR TO DELIVERY OF WASTE. **DO “NOT” RETURN THIS FORM TO THIS DEPARTMENT.** THIS FORM MUST ACCOMPANY **EACH** LOAD DELIVERED AND MUST BE PRESENTED TO THE LANDFILL INSPECTOR. PLEASE PROVIDE YOURSELF WITH AS MANY COPIES AS YOU NEED.

REMEMBER !!!!!

PRESENT THIS FORM WITH EACH LOAD DELIVERED.

SAMPLE

WASTE PROFILE NUMBER _____

Verified By: _____

EXPIRATION DATE _____

Verified By: _____

***SOLID WASTE MANAGEMENT INDEMNIFICATION
DISPOSAL AGREEMENT***

_____ (Generator) certifies that the material identified and directed to the Hillsborough County Disposal Facilities for disposal purposes contains no hazardous materials; PCBs, mercury containing devices, contaminated soils and other materials prohibited in the solid waste Management System as defined by the Federal, State and Local laws.

NAME OF WASTE

QUANTITY

UNIT

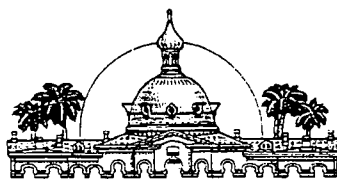
Generator's Signature _____ Date _____

Print Name _____ Title _____

Note: Waste material must be verified by Disposal Facility personnel prior to disposal.

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Thomas Scott
Ronda Storms



Hillsborough County
Florida

Office of the County Administrator
Daniel A. Kleman

SAMPLE

County Administrator
Patricia A. ...
Assistant County Administrators
Kathy C. Harris
Edwin Hunzeker
Anthony Shoemaker

June 12, 2001

Richard Rakestraw
Residence Property Owner
4104 North Ola Avenue #3
Tampa, Florida 33603

Dear Mr. Rakestraw:

The Hillsborough County Solid Waste Management Department (SWMD) has received and reviewed your **Countywide Solid Waste Profile Form** for **Richard Rakestraw/Residence Property Owner**. The SWMD approves the solid waste for disposal at the **Southeast County Landfill**.

Application No: SWMD 26021

Type Waste: Asbestos Containing Siding

Disposition: APPROVED

Expiration Date: A ONE TIME DISPOSAL.
(Appro. 2 loads)

This approval is subject to the following conditions:

MATERIAL MUST BE WETTED DOWN AND PLACED IN A "BURLAP BAG" (OR ANOTHER STRONGER MATERIAL) AND INSERTED INTO A 6 MIL PLASTIC BAG PRIOR TO DISPOSAL. THE GENERATOR MUST ENSURE THAT OTHER TYPES OF WASTE SUCH AS CONSTRUCTION DEBRIS, PERTOLEUM CONTAINING PRODUCTS, ETC. ARE NOT MIXED IN WITH THIS WASTE STREAM. MATERIAL MUST ALSO BE LABELED AND TRANSPORTED IN AN ENCLOSED VEHICLE FOR DISPOSAL. THE GENERATOR MUST BRING INDEMNIFICATION FORM TO DISPOSAL SITE.

Should you have any questions, please contact Ernie Mayes at 276-2930.

Sincerely,

Daryl Smith, Director
Solid Waste Management Department

DHS/em

xc: Matt Matthews, Senior Eng., SWMD
Chester McKinney, WMI, Southeast County Landfill

*****PACKAGING INSTRUCTIONS*****

The Generator must insure that the material, friable or non-friable, is bagged or wrapped in burlap and plastic in such a manner that the packaging will not lose its integrity during transport, unloading or handling at the Landfill.

Any bag or load losing its integrity while being processed at the Landfill could result in the EPC, OSHA, and the FDER being notified of a NESHAP violation.

Any bag or load losing its integrity while being processed at the Landfill could result in the Contractor and/or the Waste Hauler losing all future Landfill privileges at the Southeast County Landfill.

The Hillsborough County Solid Waste Management Department requires that asbestos-containing materials be packed in "burlap bags" and placed in plastic bags no larger than 85 gallons. **The generator must notify the Landfill at least one (1) hour prior to disposal.**

SAMPLE

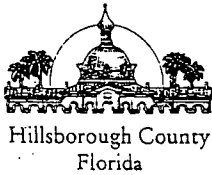
***** NOTICE TO GENERATORS/RESIDENTS *****

NON-ASBESTOS CONTAINING MATERIALS

YOU ARE REQUIRED TO COMPLETE THE ATTACHED FORM WITH YOUR ORIGINAL SIGNATURE PRIOR TO DELIVERY OF NON-ASBESTOS CONTAINING MATERIALS. "DO NOT" RETURN THIS FORM TO THIS OFFICE- THIS FORM MUST ACCOMPANY EACH LOAD OF MATERIALS DELIVERED AND MUST BE PRESENTED TO THE LANDFILL INSPECTOR. PLEASE PROVIDE YOURSELF WITH AS MANY COPIES AS YOU NEED.

REMEMBER !!!!!

YOU MUST PRESENT THIS FORM WITH EACH LOAD DELIVERED.



SAMPLE

County Use Only
Verified By: _____

**SOLID WASTE MANAGEMENT DEPARTMENT
RESIDENTIAL NON-ASBESTOS DISPOSAL
INDEMNIFICATION AGREEMENT**

I, _____ (Generator), certify that, to the best of my knowledge, the material identified and directed to the Hillsborough County Southeast County Landfill for disposal *contains no Asbestos Containing Materials*.

NAME OF WASTE

QUANTITY

UNIT

ORIGIN OF WASTE: _____
Street Address

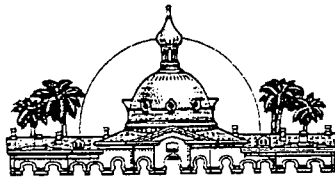
Generator's Signature

Date

Print Name

Title

Note: Waste material must be verified by Disposal Facility personnel prior to disposal.
Hillsborough County does not accept hazardous materials or other materials within its Solid Waste Management System prohibited by Federal, State or local Laws.



Hillsborough County
Florida

Office of the County Administrator
Daniel A. Kleman

February 6, 2001

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SAMPLE

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Assistant County Administrators
Kathy C. Harris
Edwin Hunzeker
Anthony Shoemaker

Ms. Beverly Schmit
Tampa Electric Company (Gannon Station)
Environmental Planning P-5
P.O. Box 111
Tampa, Florida 33601-0111

Dear Ms. Schmit:

The Hillsborough County Solid Waste Management Department (SWMD) has received and reviewed your **Countywide Solid Waste Profile Form** and supporting documentation for **TECO (Gannon Station)**. The SWMD approves the solid waste for disposal at the **Southeast County Landfill by Waste Management of Tampa**.

Application No: SWMD 10143

Type Waste: Sand Blast Grit

Disposition: APPROVED

Expiration Date: 2-28-2003

This approval is subject to the following conditions:

NO LIQUIDS WILL KNOWINGLY BE ACCEPTED. THE GENERATOR MUST ENSURE THAT NUISANCE DUST IS CONTROLLED. MATERIAL MUST BE TARPED AND TRANSPORTED IN AN ENCLOSED DUMPSTER FOR DISPOSAL. OTHER WASTE STREAMS MUST NOT BE MIXED WITH THIS MATERIAL. THE GENERATOR MUST NOTIFY THE LANDFILL WITHIN ONE HOUR OF DELIVERY. THE GENERATOR MUST PRESENT INDEMNIFICATION FORM AT THE DISPOSAL SITE.

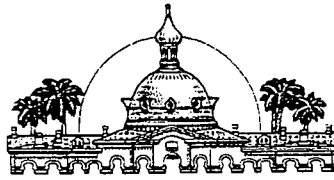
Should you have any questions, please contact Ernie Mayes at 276-2930.

Sincerely,

Daryl Smith, Director
Solid Waste Management Department

DHS/em

xc: Matt Matthews, Senior Eng. Tech., Department of Solid Waste
Chester Mckinney, WMI, Southeast County Landfill
Waste Management of Tampa



Hillsborough County
Florida

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Daniel A. Kleman

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Kathy C. Harris
Edwin Hunzeker
Anthony Shoemaker

February 6, 2001

Allan Smith
AS Landscaping Service
1234 Broad St.
Tampa, FL 33619

Dear Mr. Smith:

The Hillsborough County Solid Waste Management Department (SWMD) has received and reviewed your **Countywide Solid Waste Profile Form** and supporting documentation for **AS Landscaping Service**. The SWMD approves the solid waste for disposal at **Resource Recovery facility by Waste Management of Tampa**.

Application No: SWMD 10143

Type Waste: Office Waste: paper, plastics, foodstuffs, etc.

Disposition: APPROVED

Expiration Date: 2-28-2003

This approval is subject to the following conditions:

NO DIRT/SOIL WILL BE ACCEPTED. YARDWASTE MUST NOT BE CO-MINGLED WITH THIS WASTE STREAM BUT SHOULD BE TRANSPORTED TO ANY OF HILLSBOROUGH COUNTY'S YARD WASTE PROCESSING FACILITIES. NO LIQUIDS WILL KNOWINGLY BE ACCEPTED. OUT-OF-COUNTY WASTE WILL NOT BE ACCEPTED.

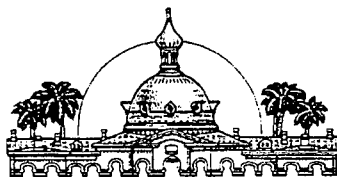
Should you have any questions, please contact Ernie Mayes at 276-2930.

Sincerely,

Daryl Smith, Director
Solid Waste Management Department

DHS/em

xc: Matt Matthews, Senior Eng. Tech., Department of Solid Waste
Glenn Hoag, Covanta
Waste Management of Tampa



Hillsborough County
Florida

BOARD OF COUNTY COMMISSIONERS

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Edwin Hunzeker
Anthony Shoemaker

June 7, 2001

Mike Nichols
Woodruff & Sons
1502 North 50th Street
Tampa, Florida 33619

Dear Mr. Nichols:

The Hillsborough County Solid Waste Management Department (SWMD) has received and reviewed your **Countywide Solid Waste Profile Form** for **Hillsborough County Water Department/South County Wastewater Treatment Plant**. The SWMD rejects the solid waste for disposal in the Solid Waste Management System.

Application No: SWMD 26490

Type Waste: GRIT-SLUDGE (dirt)

Disposition: REJECTED

Expiration Date: N/A

This waste is rejected for the following reasons:

THE HILLSBOROUGH COUNTY SOLID WASTE MANAGEMENT DEPARTMENT PROHIBITS THE DISPOSAL OF DIRT (SOIL, MUD etc.) OR ANY OTHER MATERIAL SATURATED IN DIRT, IN THE SOLID WASTE MANAGEMENT SYSTEM. DIRT MUST BE SEPARATED FROM WASTE MATERIALS PRIOR TO ANY DISPOSAL.

Should you have any questions, please contact Ernie Mayes at 276-2930.

Sincerely,

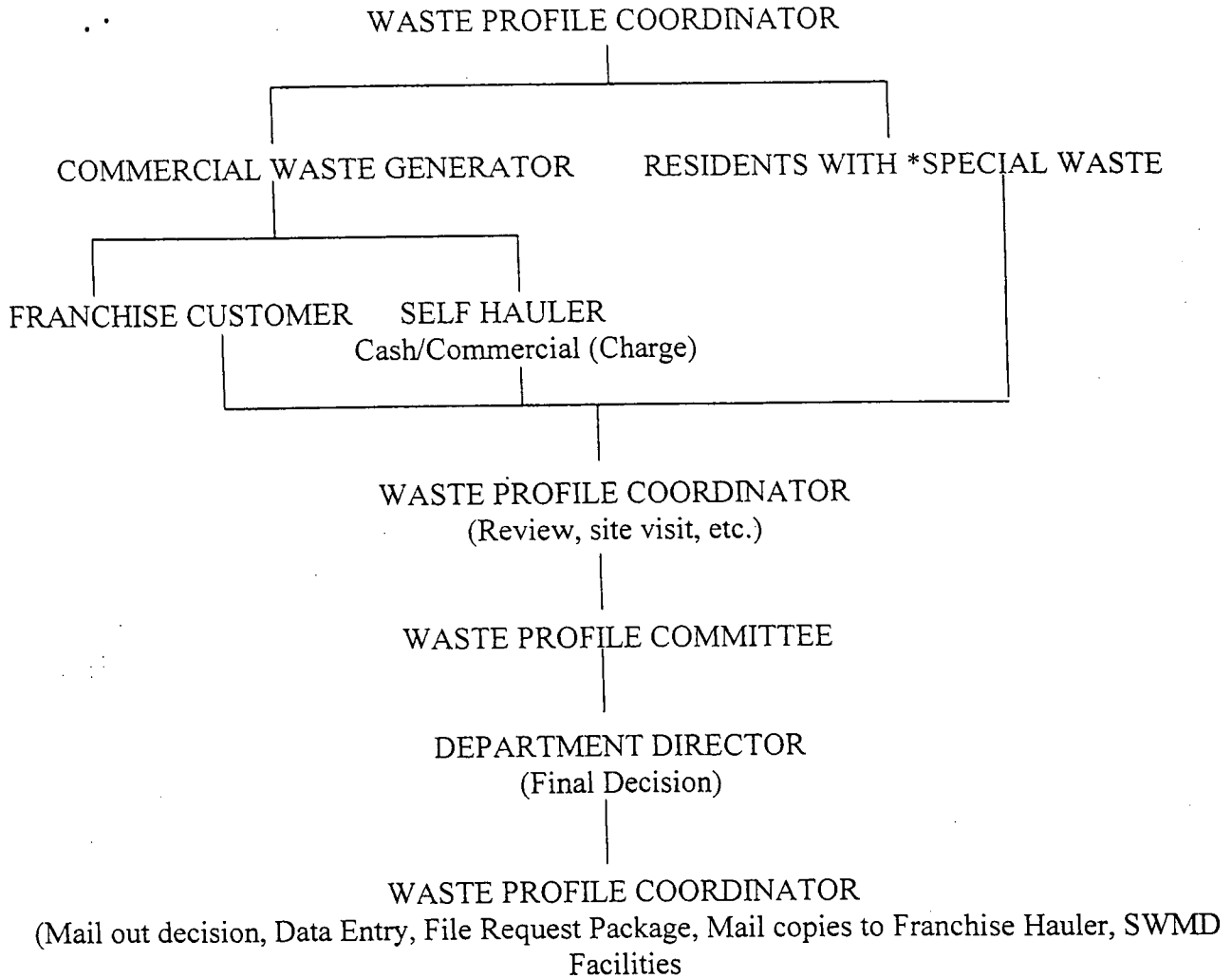
Daryl H. Smith, Director
Solid Waste Management Department

DHS/em

xc: Matt Matthews, Senior Eng. Tech., SWM
Chester McKinney, WMI, Southeast County Landfill
Kelly Boatwright, Environmental Protection Commission
Hillsborough County Water Department

REV. AUG 2001

COUNTYWIDE WASTE PROFILE FORM FLOW CHART



*Residents with Special Waste, ie: Asbestos Containing Materials, Animal Waste, etc.

APPENDIX F
LANDFILL GAS MONITORING POINTS

**HILLSBOROUGH COUNTY SOLID WASTE MANAGEMENT DEPARTMENT
SOUTHEAST COUNTY LANDFILL /LFG READINGS**

ADMINISTRATION BUILDING

	METHANE GAS	L.E.L.	CARBON DIOXIDE	OXYGEN	BALANCE GAS
SP-1					
SP-2					
SP-3					
SP-4					
SP-5					
SP-6					
SP-7					
SP-8					
SP-9					

MAINTENANCE BUILDING

	METHANE GAS	L.E.L.	CARBON DIOXIDE	OXYGEN	BALANCE GAS
SP-10					
SP-11					
SP-12					
SP-13					

LTRF OFFICE

	METHANE GAS	L.E.L.	CARBON DIOXIDE	OXYGEN	BALANCE GAS
SP-14					
SP-15					
SP-16					

LANDFILL GAS PERIMETER MONITORING POINT

WELL	METHANE GAS	L.E.L.	CARBON DIOXIDE	OXYGEN	BALANCE GAS	OBJECTIONAL AMBIENT ODOR (Y/N)
LFG-1						
LFG-2						
LFG-3						
LFG-4						

TECHNICIAN SIGNATURE_____

SUPERVISOR SIGNATURE_____

DATE_____

COMMENTS_____

LEGEND SP= AMBIENT SAMPLE POINT

G:\PROJECT\Hillsborough\0990018.34\PERMIT\LFGWELL.DWG Apr 03, 2003 - 2:11pm Layout Name: Layout1 By: 2378sda

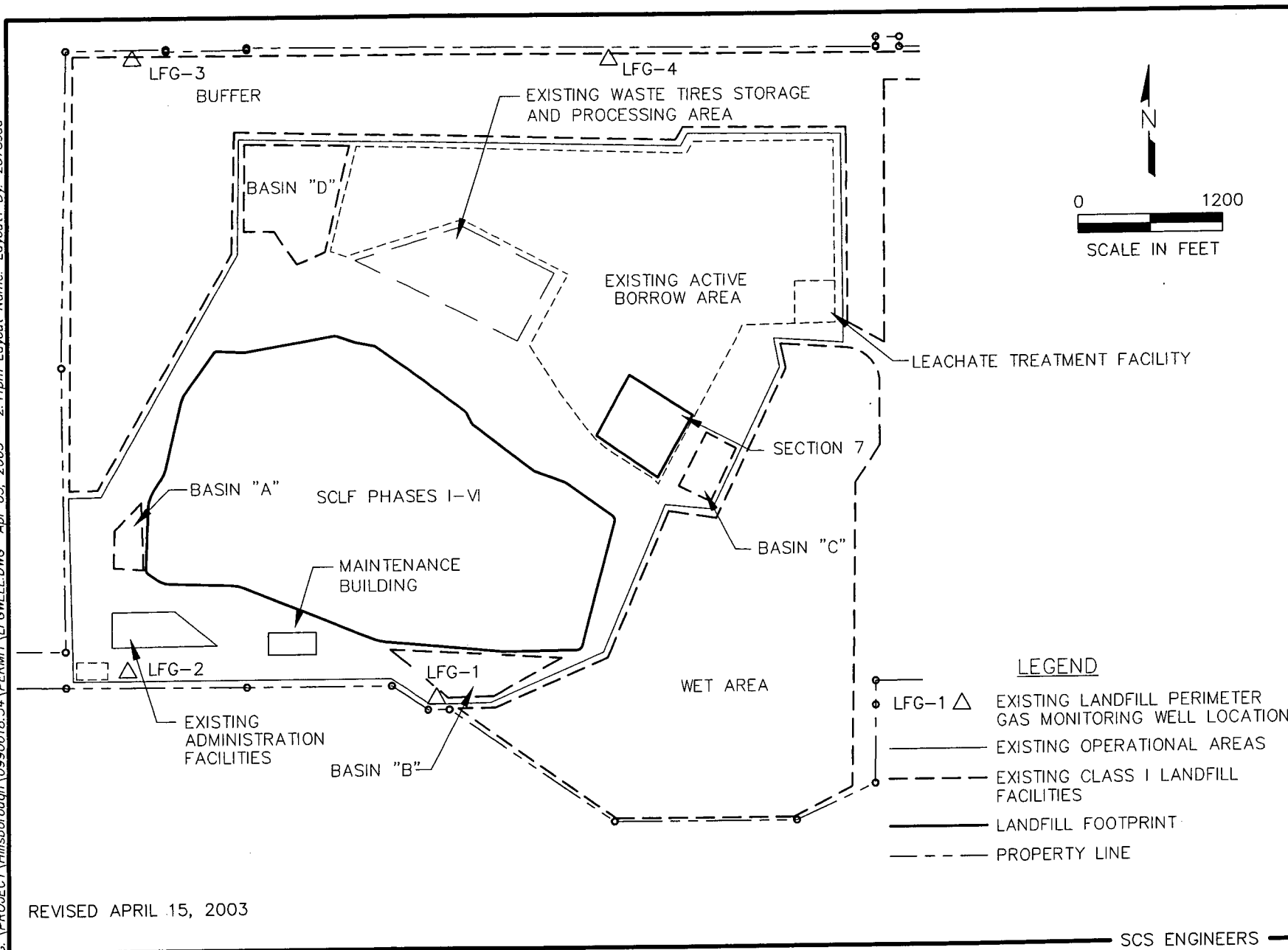


Figure F-1. Landfill Gas Perimeter Monitoring Wells

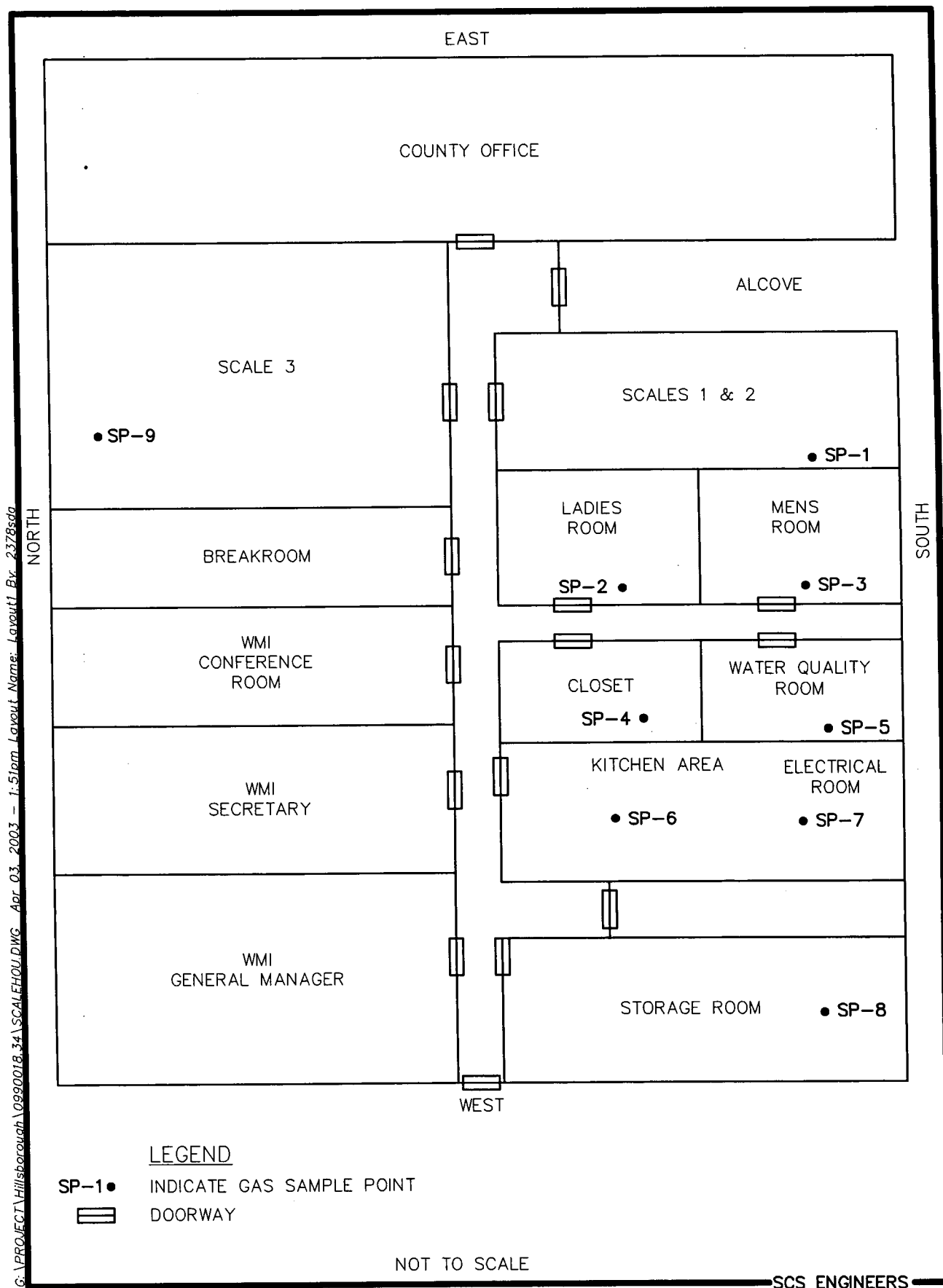
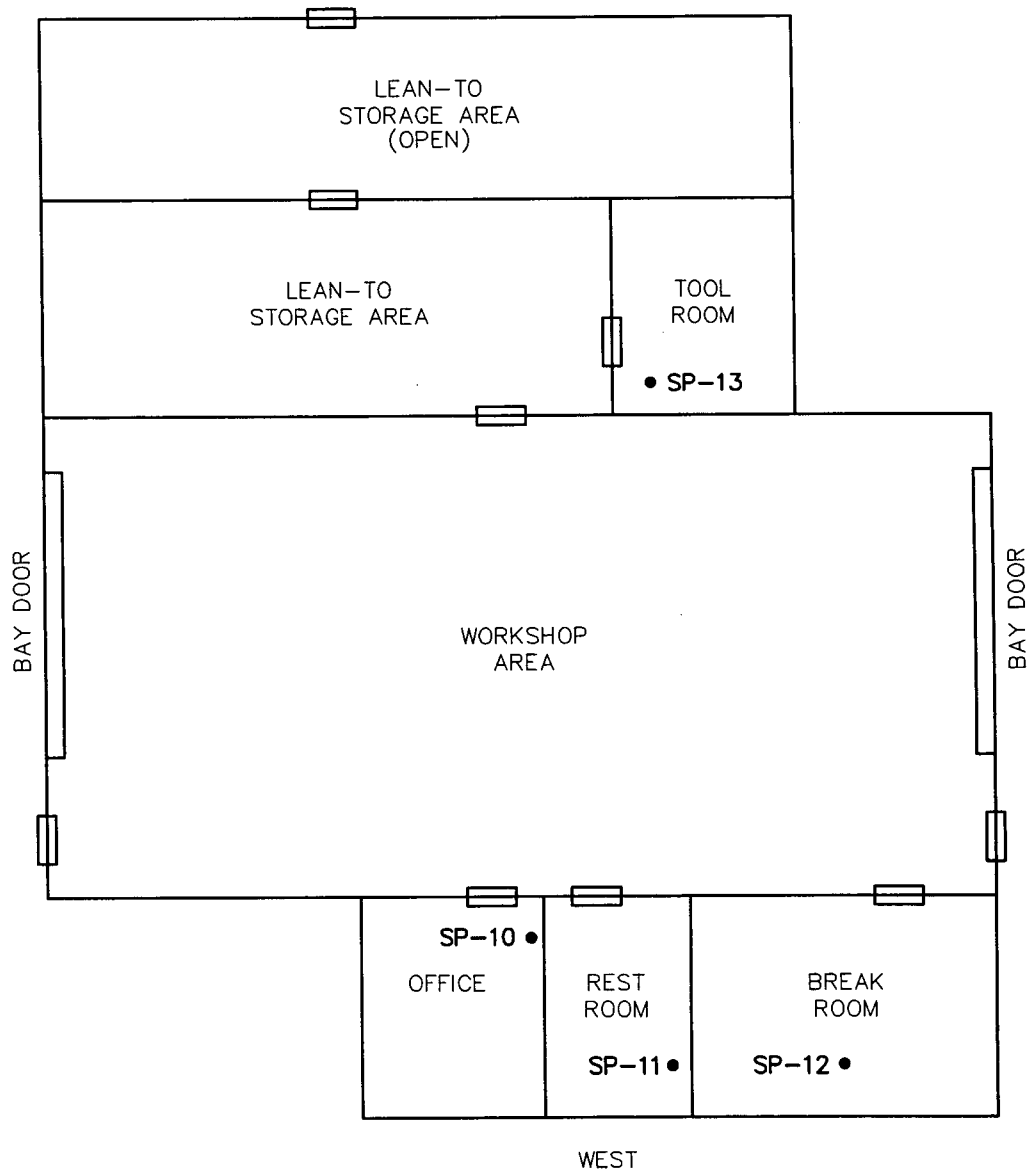


Figure F-2. Scalehouse/Administration Building LFG Monitoring Points.

G:\PROJECT\Hillsborough\0990018.34\MAINTENB.DWG Apr 03 2003 - 1:52pm Layout Name: Layout1.Bv 2378sda



LEGEND
SP-10 • INDICATE GAS SAMPLE POINT
= DOORWAY

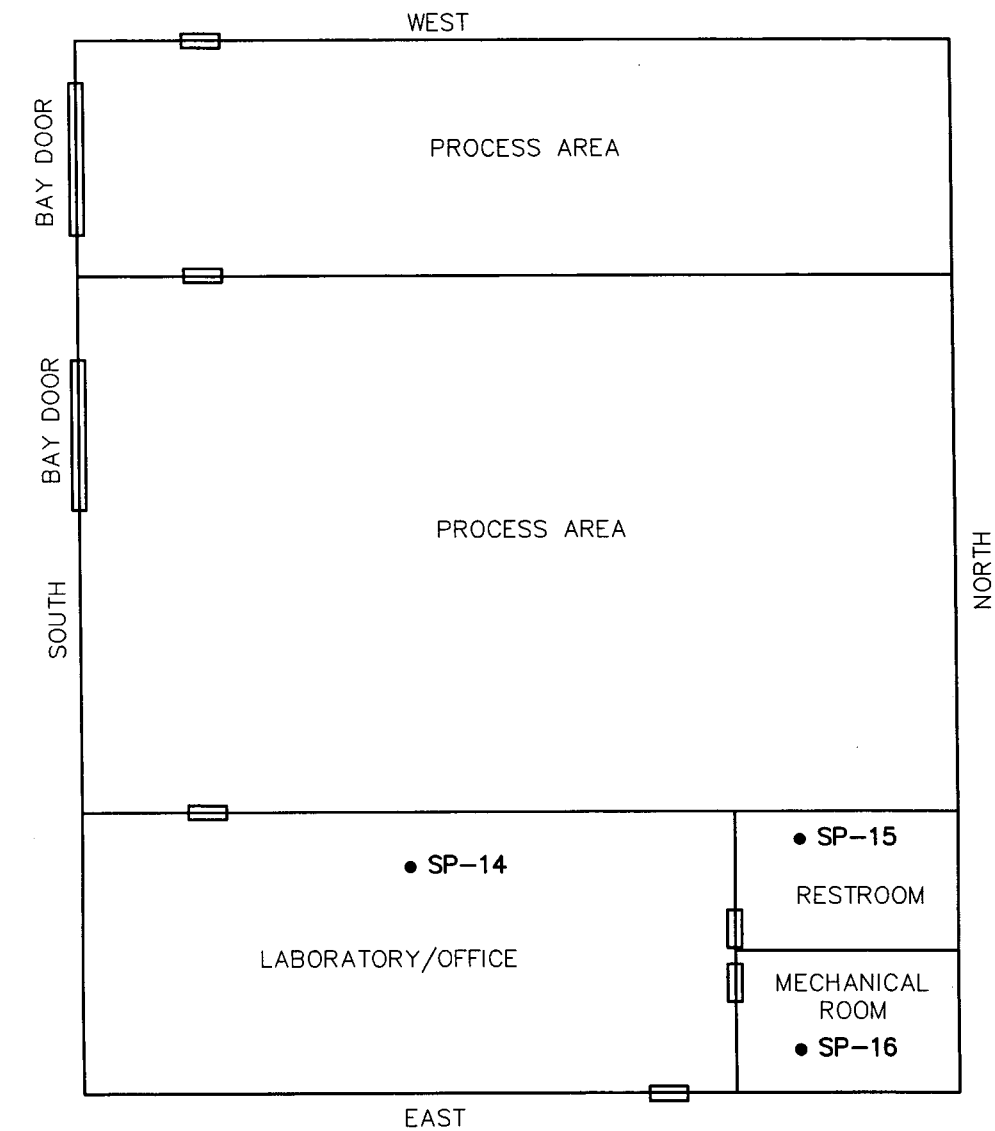
Revised December 10, 2002

NOT TO SCALE

SCS ENGINEERS

Figure F-3. Maintenance Building LFG Monitoring Points.

G:\PROJECT\Hillsborough\09200020.32\LTRFOffice.dwg Apr 03, 2003 - 1:54pm Layout Name: Layout1 Bv: 2378sda



LEGEND

- SP-14 • INDICATE GAS SAMPLE POINT
= DOORWAY

Revised December 10, 2002.

NOT TO SCALE

SCS ENGINEERS

Figure F-4. LTRF Office LFG Monitoring Points.

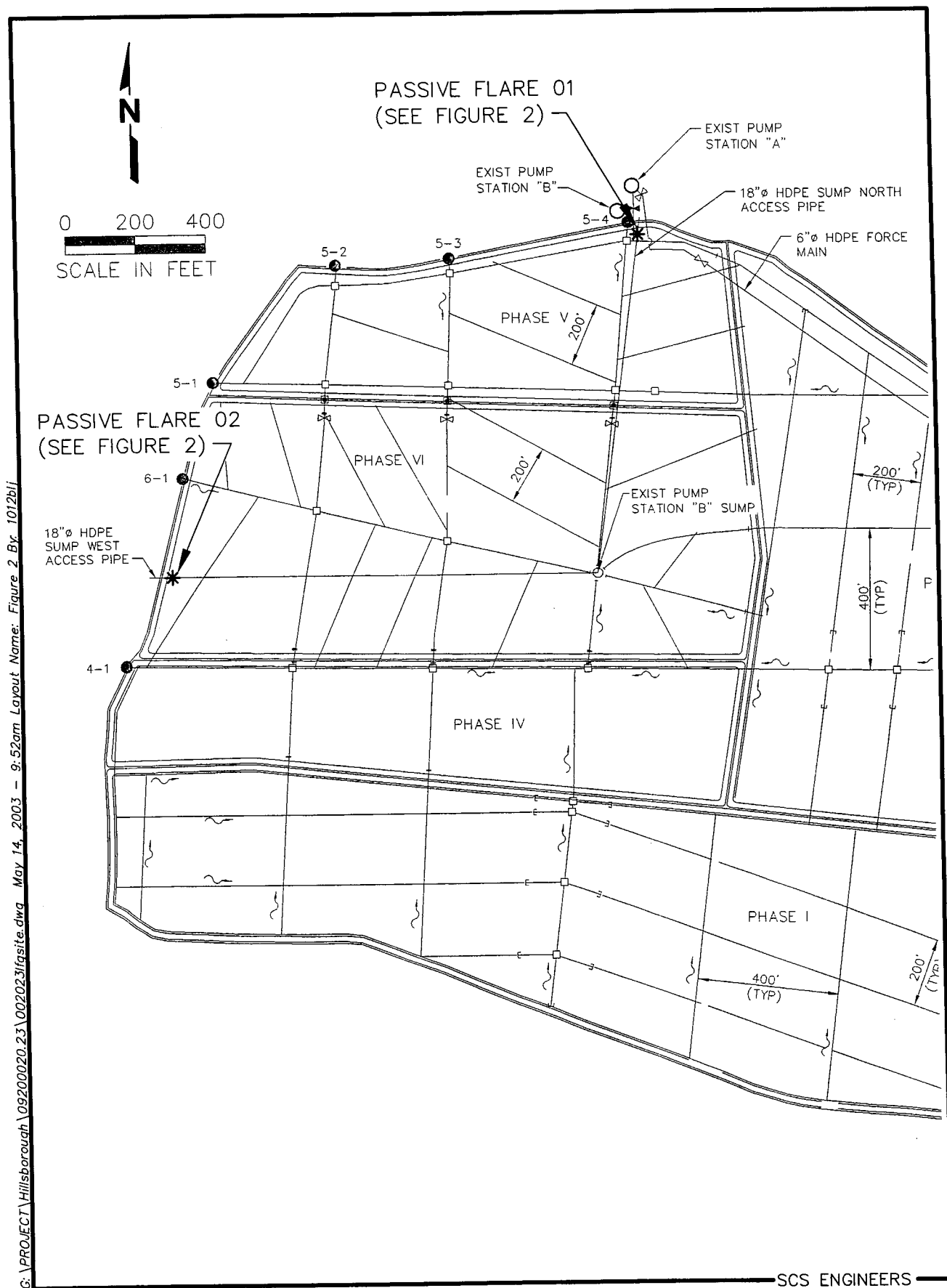
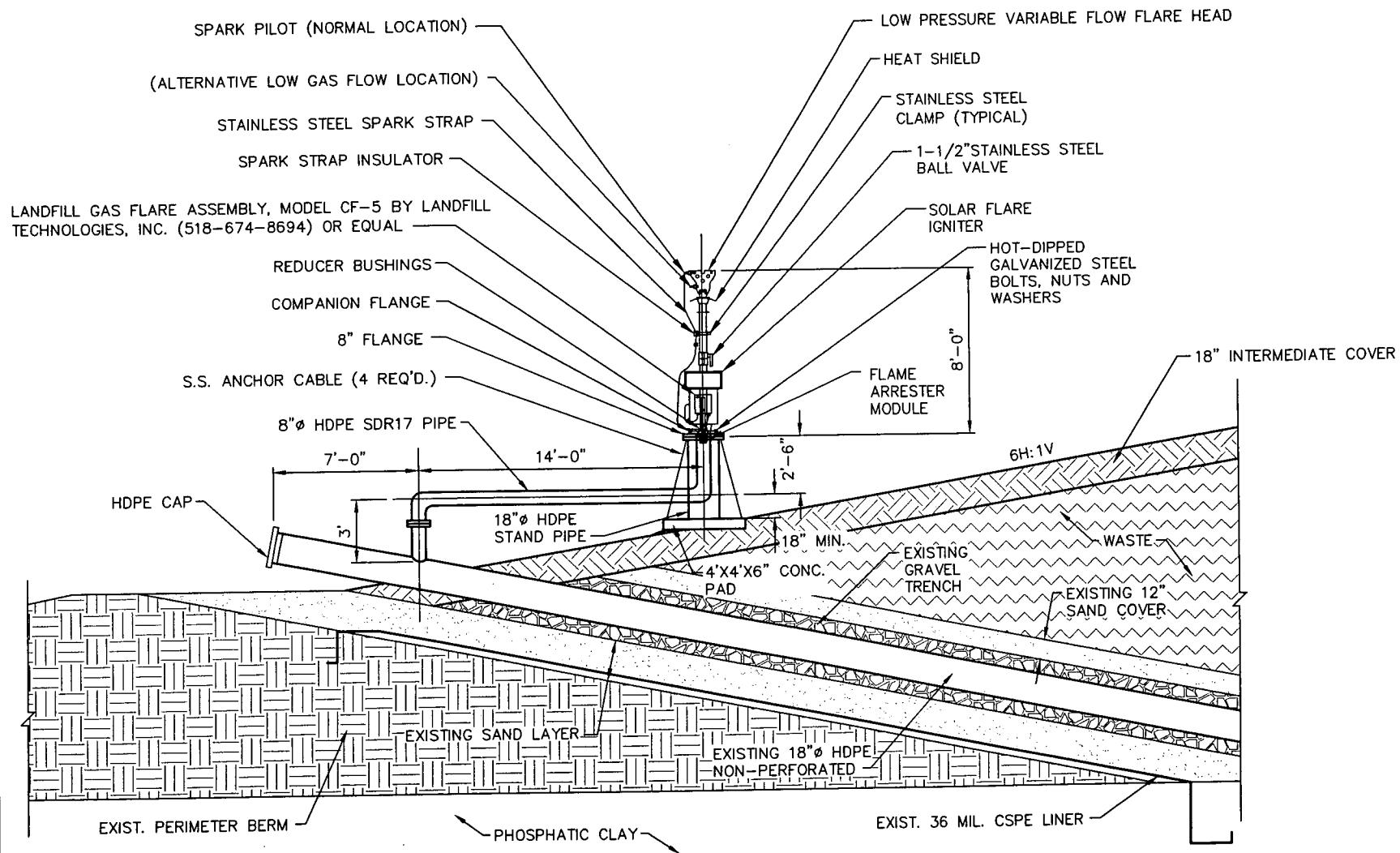


Figure F-5. Passive Flares Location.

G:\PROJECT\Hillsborough\09200020.23\002023\figsite.dwg May 14, 2003 - 9:52am Layout Name: Figure 2 By: 1012bli

G:\PROJECT\Hillsborough\09200020\23\002023PVENT.dwg May 14, 2003 - 11:00am Layout Name: Figure F-5 By: 1012bl



SCS ENGINEERS

Figure F-6. Passive Flare, SCLF Phases V and VI.

APPENDIX G
LEACHATE REPORTING FORMS

HILLSBOROUGH COUNTY SOUTHEAST COUNTY FACILITY
LEACHATE MANAGEMENT

DAILY FIELD DATA ENTRY FORM

Disposal Area (check one)	Phases I-VI	Section 7
------------------------------	-------------	-----------

Technician	Date
	Time

Parameter	Date	Date	Total
TPS-6 Flowmeter Reading			
Pump Station A (PS-A), gal			
Pump Station B (PS-B), inches	9" +	9" +	
Section 7 Pump Station, gal			
Section 7 Leak Detection, gal ¹			
Depth in Pond B, feet			
Depth in Pond A, feet			
MLPS Flowmeter Reading, gal			
Leachate Dust Control/Evap, gallons			
Effluent Spray Irrigation, gallons			
Effluent Dust Control/Evap, gallons			
Effluent Flow Meter Reading			
MLPS, Effluent Bypass Flowmeter			
Main L.T.P. Leachate Bypass			
Depth in 575k Tank, feet			

Note: (1) If rate is greater than 1,250 gallons per day, contact Supervisor immediately.

Comments

TABLE 1. LEACHATE WATER BALANCE REPORT FORM
DECEMBER 2002 (revised February 2003)
SOUTHEAST COUNTY LANDFILL, HILLSBOROUGH COUNTY, FLORIDA

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX	XX	XXI
Day	Rainfall (in.)	Depth in Pond A (ft.)	Depth in Pond B (in.)	Estimated Depth at PS-B (in.)	Leachate Pumped to PS-B from TPS-6 (gal.)	Leachate Pumped to MLPS from Phases I-VI (gal.)	Leachate Pumped from Sec 7 Leak Det (gal.)	Leachate Pumped to MLPS from Section 7 (gal.)	Total Leachate Pumped to LTRF (gal.)	Leachate in 575K Tank (gal.)	Leachate Treated at LTRF (gal.)	Total Leachate Hauled (gal.)	Leachate Dust Control (Sprayed) (gal.)	Pond A Storage (gal.)	Pond B Storage (gal.)	Effluent Sprayed Pond B (gal.)	Effluent Irrigation (gal.)	Effluent Dust Control (Sprayed) (gal.)	Total Effluent Hauled (gal.)	Total Evaporation (gal.)
1	0.01	0.0	0.0	NR	38,955	49,591	0	0	49,591	NR	0	0	0	800	0	0	0	0	0	0
2	0.00	0.0	0.0	20.2	38,955	49,591	0	0	49,591	355,000	0	108,416	0	800	0	0	0	0	0	0
3	0.00	0.0	0.0	17.9	37,630	48,198	0	0	48,198	297,000	0	102,302	12,022	800	0	0	0	0	0	9,600
4	0.00	0.0	0.0	21.1	36,640	46,305	0	0	46,305	238,000	0	84,219	12,028	800	0	0	0	0	0	9,600
5	1.55	0.0	0.0	21.0	39,650	50,299	0	0	50,299	202,000	0	48,129	0	800	0	0	0	0	0	0
6	0.22	0.0	0.0	17.5	38,425	52,144	0	0	52,144	214,000	0	102,349	0	800	0	0	0	0	0	0
7	0.00	0.0	0.0	10.6	32,465	98,111	0	0	98,111	214,000	0	60,189	0	800	0	0	0	0	0	0
8	0.00	0.0	0.0	NR	35,493	56,381	0	0	56,381	NR	0	0	0	800	0	0	0	0	0	0
9	2.63	0.0	0.0	17.3	35,493	56,381	0	0	56,381	278,000	0	90,354	0	800	0	0	0	0	0	0
10	0.20	0.0	0.0	19.3	36,245	31,304	0	0	31,304	230,000	0	78,209	0	800	0	0	0	0	0	0
11	0.00	0.0	0.0	17.5	68,080	132,222	0	0	132,222	288,000	0	126,351	0	800	0	0	0	0	0	0
12	2.07	0.0	0.0	20.1	50,175	115,556	0	0	115,556	281,000	0	90,255	0	800	0	0	0	0	0	0
13	3.37	0.0	0.0	19.6	38,115	112,987	0	0	112,987	317,000	0	114,517	0	800	0	0	0	0	0	0
14	0.00	0.0	0.0	20.5	50,730	89,544	0	0	89,544	307,000	0	108,316	0	800	0	0	0	0	0	0
15	0.00	0.0	0.0	NR	37,470	103,169	0	0	103,169	NR	0	0	0	800	0	0	0	0	0	0
16	0.00	0.0	0.0	19.7	37,470	103,169	0	0	103,169	422,000	0	84,565	0	800	0	0	0	0	0	0
17	0.00	0.0	0.0	20.7	33,455	95,707	0	0	95,707	449,000	0	73,689	0	800	0	0	0	0	0	0
18	0.00	0.0	0.0	19.5	13,907	86,230	0	0	86,230	485,000	0	121,706	0	800	0	0	0	0	0	0
19	0.00	0.0	0.0	21.7	43,933	124,540	0	0	124,540	489,000	0	111,276	0	800	0	0	0	0	0	0
20	0.68	0.0	0.0	18.9	48,035	88,382	0	0	88,382	473,000	0	121,631	0	800	0	0	0	0	0	0
21	0.00	0.0	0.0	19.3	51,060	99,640	0	0	99,640	463,000	0	126,591	0	800	0	0	0	0	0	0
22	0.00	0.0	0.0	NR	38,625	84,742	0	0	84,742	NR	0	48,831	0	800	0	0	0	0	0	0
23	0.00	0.0	0.0	20.7	38,625	84,742	0	0	84,742	463,000	0	72,934	0	800	0	0	0	0	0	0
24	4.37	0.0	0.0	20.5	43,920	42,942	0	0	42,942	NR	0	78,587	0	800	0	0	0	0	0	0
25	0.00	0.0	0.0	NR	40,876	101,823	0	0	101,823	NR	0	24,055	0	800	0	0	0	0	0	0
26	0.00	0.0	0.0	21.0	40,876	101,823	0	0	101,823	403,000	0	79,152	0	800	0	0	0	0	0	0
27	0.00	0.0	0.0	20.7	39,193	110,673	0	0	110,673	497,000	0	72,450	0	800	0	0	0	0	0	0
28	0.00	0.0	0.0	21.0	91,675	58,366	0	0	58,366	499,000	0	152,854	0	800	0	0	0	0	0	0
29	0.00	0.0	0.0	NR	57,920	105,920	0	0	105,920	NR	0	98,292	0	800	0	0	0	0	0	0
30	0.00	0.0	0.0	19.1	57,920	105,920	0	0	105,920	473,000	0	132,897	0	800	0	0	0	0	0	0
31	5.55	0.0	0.0	19.7	47,795	95,563	0	0	95,563	446,000	0	109,005	0	800	0	0	0	0	0	0
Total	20.65				1,339,805	2,781,962	0	0	2,781,962		0	2,622,121	24,050		800	0	0	0	0	19,200
Daily Average		0.0	0.0	19.4	43,220	89,741	0	0	89,741	366,000	0	93,647								
Mo. Average									89,741		0	84,585	800				0	0	0	620

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Notes:

1. NR = No Records, NA = Not Available.
2. Values in bold are estimated; values in italic are substitute for missing data and are based on averaged values.
3. Daily average is calculated by dividing the total by the actual days measured in the month.
4. Monthly average calculated by dividing the total by the number of days of the month.
5. Column II, Trace is less than 0.01 inches and is not included in total.
6. Columns III and IV, field measured at staff gauges.

7. Column V, PPS-B sensor reading plus 9 inches.
8. Columns VIII & IX, Section 7 leak detection pumped into Section 7 leachate sump riser.
9. Column XI, calculated from depth in 575,000 gal. leachate tank.
10. Columns VI, VII, VIII, IX, XII, XIII, XIV, XVIII, and XIX, quantities from flow meters.
11. Column XXI includes 80% of the daily values from Columns XIV, XVIII, and XIX plus 5% of the daily values from column XVII.

TABLE 2. FIELD DATA ENTRY FORM
DECEMBER 2002 (revised February 2003)
SOUTHEAST COUNTY LANDFILL, HILLSBOROUGH COUNTY, FLORIDA

I	II	III	IV	V	VI	VII	VIII	IX	X	XI	XII	XIII	XIV	XV	XVI	XVII	XVIII	XIX
Day	Reading PS-B (in.)	Section 7 Leak Det. (gal.)	Section 7 Flow Meter (gal.)	Flow Meter TPS-6 (gal.)	Flow Meter Pump Sta. A (gal.)	Depth in 575K Tank (ft.)	Leachate Hauled		Leachate Dust Control (Sprayed) (gal.)	Rainfall (in.)	Depth in Pond A (ft.)	Depth in Pond B (ft.)	Effluent Sprayed (Pond B) (gal.)	Leachate Treated at LTRF (gal.)	Effluent Irrigation (gal.)	Effluent Hauled		Effluent Dust Control (Sprayed) (gal.)
							Contractor (gal.)	County (gal.)								Contractor (gal.)	County (gal.)	
1	NR	0	0	60,918,435	1,489,338	NR	0	0	0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
2	11.2	0	0	60,957,390	1,538,929	12.33	108,416	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
3	8.9	0	0	60,995,020	1,587,127	10.33	102,302	0	12,022	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
4	12.1	0	0	61,031,660	1,633,432	8.25	84,219	0	12,028	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5	12.0	0	0	61,071,310	1,683,731	7.00	48,129	0	0	1.55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6	8.5	0	0	61,109,735	1,735,875	7.42	102,349	0	0	0.22	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
7	1.6	0	0	61,142,200	1,833,986	7.42	60,189	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
8	NR	0	0	61,177,693	1,890,367	NR	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
9	8.3	0	0	61,213,185	1,946,747	9.67	90,354	0	0	2.63	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
10	10.3	0	0	61,249,430	1,978,051	8.00	78,209	0	0	0.20	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
11	8.5	0	0	61,317,510	2,110,273	10.00	126,351	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12	11.1	0	0	61,367,685	2,225,829	9.75	90,255	0	0	2.07	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
13	10.6	0	0	61,405,800	2,338,816	11.00	114,517	0	0	3.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
14	11.5	0	0	61,456,530	2,428,360	10.67	108,316	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
15	NR	0	0	61,494,000	2,531,529	NR	0	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
16	10.7	0	0	61,531,470	2,634,698	14.67	84,565	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
17	11.7	0	0	61,564,925	2,730,405	15.58	73,689	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
18	10.5	0	0	61,578,832	2,816,635	16.83	109,259	12,447	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
19	12.7	0	0	61,622,765	2,941,175	17.00	105,233	6,043	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
20	9.9	0	0	61,670,800	3,029,557	16.42	121,631	0	0	0.68	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
21	10.3	0	0	61,721,860	3,129,197	16.08	126,591	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
22	NR	0	0	61,760,485	3,213,939	NR	48,831	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
23	11.7	0	0	61,799,110	3,298,681	16.58	72,934	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
24	11.5	0	0	61,843,030	3,341,623	16.08	60,515	18,072	0	4.37	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
25	NR	0	0	61,883,906	3,443,446	NR	24,055	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
26	12.0	0	0	61,924,782	3,545,268	14.00	67,124	12,028	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
27	11.7	0	0	61,963,975	3,655,941	17.25	72,450	0	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
28	12.0	0	0	62,055,650	3,714,307	17.33	120,285	32,569	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
29	NR	0	0	62,113,570	3,820,227	NR	72,211	26,081	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30	10.1	0	0	62,171,490	3,926,146	16.42	120,859	12,038	0	0.00	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
31	10.7	0	0	62,219,285	4,021,709	15.50	109,005	0	0	5.55	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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Notes:

1. NR = No Records, NA = Not Available.
2. Values in bold are estimated; values in italic are substitute for missing data and are based on averaged values
3. Column IV includes quantities from leak detection system.

4. Column XI, trace is less than 0.01 inches.
5. Columns III, IV, V, VI, VIII, IX, X, XIV, XV, XVI, XVII and XVIII are quantities from flow meters.
6. Columns XII and XIII measured from staff gages in each pond.

Type of Cover	Phases I-VI acres	Section 7 acres
Open	7	0
Intermediate	133.4	0
Final	23	0
Not Opened	0	12.5

TABLE 3. 2002 MONTHLY LEACHATE BALANCE SUMMARY (revised February 2003)
CAPACITY EXPANSION AREA
SOUTHEAST COUNTY LANDFILL
HILLSBOROUGH COUNTY, FLORIDA

Month	Rainfall (in.)	Leachate Arriving at LTRF			Leachate Leaving LTRF			Effluent Disposal			Inflow / Outflow For LTRF		
		Leachate Hauled to LTRF from HHLF/TRLF (gal.)	Leachate from Section 7 Pumped to LTRF (gal.)	Leachate from SCLF Pumped to LTRF (gal.)	Total Leachate Hauled from LTRF (gal.)	Leachate Dust Control (Sprayed) (gal.)	Leachate Treated at LTRF (gal.)	Total Effluent Hauled (gal.)	Effluent Dust Control (Sprayed) (gal.)	Effluent Irrigation (gal.)	Total Arriving at LTRF (gal.)	*Total Leaving LTRF (gal.)	Balance ³ (gal.)
January	1.32		0	1,383,233	1,537,172	96,147	0	0	0	0	1,383,233	1,633,319	-250,086
February	3.88	0	0	1,166,415	1,082,345	102,189	0	0	0	0	1,166,415	1,184,534	-18,119
March	0.73	0	0	1,225,193	1,137,036	138,240	0	0	0	0	1,225,193	1,275,276	-50,083
April	6.48	0	0	1,106,482	1,118,233	66,166	0	0	0	0	1,106,482	1,184,399	-77,917
May	2.40	0	0	1,153,613	970,556	240,509	0	0	0	0	1,153,613	1,211,065	-57,452
June	8.05	0	0	1,292,430	1,379,660	72,158	0	0	0	0	1,292,430	1,451,818	-159,388
July	9.03	0	0	2,117,337	2,426,241	0	0	0	0	0	2,117,337	2,426,241	-308,904
August	10.96	0	0	2,394,923	2,177,705	0	0	0	0	0	2,394,923	2,177,705	217,218
September	6.61	0	0	1,956,023	2,126,668	6,061	0	0	0	0	1,956,023	2,132,729	-176,706
October	3.13	0	0	1,608,854	1,552,490	147,350	0	0	0	0	1,608,854	1,699,840	-90,986
November	4.27	0	0	1,580,635	1,546,767	240,484	0	0	0	0	1,580,635	1,787,251	-206,616
December	20.65	0	0	2,781,962	2,622,121	24,050	0	0	0	0	2,781,962	2,646,171	135,791
YTD Total	77.51	0	0	19,767,100	19,676,994	1,133,354	0	0	0	0	19,767,100	20,810,348	-1,043,248

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Note:

1. If the bypass at the effluent pond is ever used to pump effluent back to the LTRF, this table must be modified.
2. Leachate from the Hillsborough Heights and Taylor Road landfills is being hauled to the Faulkenburg Road Wastewater Treatment Facility.
3. Balance represents total inflow to LTRF minus total outflow from LTRF.