

Pasco County, Florida



**Landfill Operation Plan
For
West Pasco Class III Landfill**

Revised October 2013

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Landfill Operation Plan for West Pasco Class III Landfill

Facility Background

The landfill addressed in this plan is an integral unit of the Pasco County Solid Waste System ("System"). The System is comprised of a mass-burn resource recovery facility, the West Pasco Class I Landfill, the West Pasco Class III Landfill, the East Pasco Transfer Station and Recycling Center, and the East Pasco Class I Landfill. The Resource Recovery Facility, the West Pasco Class I Landfill, and the West Pasco Class III Landfill are co-located on an 800-acre site. The Resource Recovery Facility and the West Pasco Class I Landfill are permitted under the Florida Electrical Power Plant Siting Act, while the West Pasco Class III Landfill and Recycling Center is permitted separately under Chapters 62-4 and 62-701, FAC.

The Resource Recovery Facility is designed to receive and process 1,050 tons per day of waste generated by residential, commercial, and industrial sources. Three separate combustion units with a capacity of 350 tons per day and a boiler system generate steam for conversion to electrical energy. Emissions controls include dry scrubbers, fabric filter baghouses, and carbon injection for mercury control for each combustion unit. The residue ash handling system is completely enclosed. Bottom ash and grate siftings from the combustion units, as well as fly ash and spent scrubber reagent, are collected and quenched. Ash is moved by conveyor through a scalper screen to remove large materials and through a magnetic separator to remove ferrous metal. Processed residue (MSW ash) is loaded into trucks for disposal in an ash monofill disposal unit at the adjacent West Pasco Class I Landfill.

Deliveries are accepted at the Solid Waste Resource Recovery Facility (SWRRF) ten hours each day, Monday through Saturday, except legal holidays. Refuse is delivered to the SWRRF in standard packer vehicles, open body dump trucks, semitruck transfer trailers, and by smaller private vehicles. The waste transferring vehicles pass through an entrance and exit over an automated truck scale system. The scale system is operated by an adjacent scale house with a computerized record keeping system that maintains an accurate accounting of all refuse delivered and ash residue removed from the ash storage building.

All processible waste received is dumped inside the Resource Recovery Facility in a refuse storage pit with the exception of some waste from small private vehicles which are directed to a public drop-off area outside the building. Inside the facility building on the tipping floor, roll-off containers are provided for removing of nonprocessable waste. The County provides a trained spotter on the tipping floor to observe refuse dumping. The spotter has communication links with the scale house and the facility operators to advise them of the delivery of any unacceptable waste.

The entire 800-acre site is enclosed by chain-link and barbed-wire fence to limit access. To further limit access, the Resource Recovery Facility, the West Pasco Class I Landfill, and the West Pasco Class III Landfill and Recycling Center are separated internally by a chain-link and barbed-wire fence to control movement between the units.

1. Operating Personnel Training

The Pasco County Utilities Services Branch (PCUSB), which is responsible for the operations of the landfill, has a pro-active approach to training and certifying all landfill personnel and currently has trained operators who have satisfied the requirements of Chapter 62-701, F.A.C. Additionally, Pasco County has staff members who have been trained and are certified through or by the TREEO Solid Waste Landfill Operator Short Course and are used as trained spotters at the landfill and elsewhere in the solid waste management system. Copies of course completion certificates are kept on file. The landfill has at least one trained operator at the landfill during all times when the landfill receives waste. At least one trained spotter is at each working face at all times to detect unauthorized wastes when the landfill receives waste

2. Operations

a. Responsible Operating and Maintenance Personnel

John Power, Solid Waste Director

Ronald J. Walker, Solid Waste Superintendent

In addition to the two supervisory employees above, 52 full-time positions are authorized for landfill operations. As of the writing of this plan, 40 full time employees are trained spotters. At least one of these spotters is located at the working face of the Class III landfill when the landfill is receiving waste.

b. Contingency Operations for Emergencies.

Class III wastes resulting from a natural disaster or other emergency may be stockpiled for later removal. The access road is designed to allow normal operations under adverse conditions. Cooperative lending agreements with other Pasco County departments will be pursued for back-up equipment as necessary.

Emergency Fire Procedures:

- (1) Field staff will contact scale attendant via two-way radio and provide details.
- (2) Scale attendant will contact 9-1-1, requesting fire company response.
- (3) Scale attendant will notify landfill operator.
- (4) Landfill operator will direct additional equipment and manpower as may be required.

Controllable Fire:

- (1) Field staff will contact scale attendant via two-way radio and provide details.
- (2) Field staff will put out the fire using landfill equipment and soil from an on-site stockpile maintained for the suppression. The stockpile is east of the landfill.
- (3) Scale attendant will contact Landfill Supervisor
- (4) Landfill Supervisor will inspect scene.

Natural Disaster Procedures:

When notice is provided of a pending natural disaster (tornado, hurricane, etc.), the landfill supervisor will direct staff to:

- (1) Check stormwater management system for any blockages at culverts, pipes, etc.
- (2) Check leachate management system levels, pumping units, etc.
- (3) Apply daily cover to working face where appropriate.
- (4) Secure equipment where appropriate.

After the natural disaster has occurred, the landfill supervisor will direct staff to assess damage to and operational status of:

- (1) Access roads.
- (2) Stormwater management system.
- (3) Leachate management system.
- (4) Landfill equipment.
- (5) Disposal units.
- (6) Excess Class III waste shall be stockpiled on the Limestone Pad north of Class III Landfill, to segregated wooden material. Class I Waste will only be stored on the lined areas of Class I landfill.

The Landfill Supervisor will report findings to the Solid Waste Manager.

c. Controlling Types of Waste Received at the Landfill

The Class III disposal unit is primarily a construction and demolition (C&D) disposal unit. All incoming material is inspected at the scale house on a daily basis to acquire reasonable assurances that no prohibited wastes are deposited in the cell. Examples of prohibited wastes include Class I wastes, household garbage, medical waste, waste oil, tires, batteries, and/or large metal items. Particular care is addressed to hazardous and medical wastes; should they be detected, arrangements will be made for proper handling and disposal under the direction of the Pasco County Hazardous Waste Manager. Pasco County will not burn any solid waste at this facility. Pasco County will not knowingly dispose any hazardous waste, PCBs, biomedical waste, any special wastes (lead acid batteries, used oil, yard trash, white goods, and whole tires), liquid waste, and oil waste at this facility.

Yard trash and/or lot clearing debris are not accepted for disposal in the Class III unit. Pasco County does not intermingle with the County's used tire collection program with the Class III Landfill operation.

At least one trained spotter will be located at each working face, in accordance with rule 62-701.500(1). Procedures for removal of prohibited wastes are outlined in Section 6 (Entitled "Load Checking Program"). In summary of Section 6, removal of prohibited wastes

is the responsibility of the hauler. Identification of hazardous wastes will be reported to the appropriate regulatory authorities.

Unacceptable waste discovered at Class III will be temporarily stored in a 40 CY container situated near the working face as shown on Figure 1. The container shall be emptied at the end of each working day. Any processible waste is sent to the mass-burn Resource Recovery Facility. Any hazardous waste is sent to household hazardous waste area (as shown on Figure 1) for packaging. The packaged waste is sent to outside contracted company for final disposal and treatment. For biomedical waste, the responsible party shall be contacted to clean up the biomedical waste at their expense. If the responsible party cannot be identified, the Hazardous Waste Department of Pasco County is contacted. The Hazardous Waste Department will arrange with a contract vendor to clean, remove and dispose the biomedical waste. Electronic Waste is stored at the E-waste storage area (Figure 1) for packaging. Oil is collected in similar ways. Both the oil and the electronic waste are packaged and picked up by a County vendor for reprocesses/recycle. Metals are stored in metal storage area (Figure 1) for further processing. Waste tires are transferred to the waste tire processing facility for shredding and then delivered to the Resource Recovery Facility for their facility fuel.

d. Weighing Incoming Waste

No waste can enter the site without passing the main entrance scale and/or the Class III disposal unit scale. Loaded vehicles entering the landfill site will be weighed and will be documented prior to unloading. Vehicles with a franchise or commercial license will be weighed at the Class I/Resource Recovery Facility Scalehouse and issued a receipt indicating the weight and payment received. C&D loads will then be redirected to the Class III Landfill. Small vehicles will be charged by the type of vehicle and size of the load.

e. Vehicle Traffic Control and Unloading

Private refuse haulers are not permitted to drive at random into the Class III cell. Individual vehicles and trucks containing C&D waste receive placing directions from the trained spotter at the working face of the cell.

Directional signs are placed to safely direct vehicles to the current waste unloading area. These signs have large, legible letters and are cleaned when necessary. Signs are placed at points so that the route is clear to the drivers. Speed limit, safety, and prohibitive practice signs have been placed as necessary to encourage a safe, clean operating area.

Unloading will be permitted only at designated working faces of the currently operating cell. Haulers are responsible for unloading their own vehicles. A spotter will be present near the active disposal areas to direct vehicles to appropriate off-loading areas and to observe the off-loading process to ensure that unacceptable materials are not part of the delivery.

f. Method and Sequence of Filling Waste

The landfill will be developed using four disposal areas as shown on **Figure 1**. Each area is approximately 3.5 acres. Disposal cells and their integral liner and leachate collection

systems are constructed with permanent roads and swales for access and surface water management.

Cells 1, 2, 3, and 4 have been constructed and are ready for disposal of Class III materials.

The method of filling wastes in an individual cell is as follows:

All incoming Class III materials waste will be directed to the working face. Class III materials will be placed against the side slope of the previous day's deliveries. The first row will act as a berm to provide a guide for the placement of waste for the remaining rows. In each row, cells will be constructed having a minimum length of working face to control the operation and leachate quantities, yet of sufficient length to provide adequate dumping areas and room for the landfill equipment to operate. A maximum slope of 3:1 on a 75-foot wide working face will provide for centralization of operations, while providing maneuvering area for private and commercial vehicles unloaded each day. See **Figure 2** for additional details.

The sequence of filling future lined cell areas with installed leachate collection systems is developed to meet the following objectives:

- Complete subsequent lifts over lower lifts frequent enough to minimize infiltration and conserve the field capacity of the lower lift cell.
- Design landfill slopes during operation to maximize surface run-off away from the working face and minimize leachate generation.
- Provide a bench terrace along side slopes to minimize erosion.

Efficient use of these techniques will reduce the need for intermediate cover and decrease leachate volumes.

Final cover will be applied over cell lifts within 180 days after the final lift over an area is completed, or within the time frame set forth in the closure plan. Final cover will consist of a 40-mil LLDPE and 24-inch of protective soil layer. The top six inches of the protective soil layer will be uncompacted and vegetated with native grasses or other vegetation to promote evapotranspiration.

g. Waste Compaction and Application of Cover

Sufficient cover material will be available from a fill dirt pit to provide a continuous supply of cover through the period of operational site life.

The Class III materials will be placed at the top of the working face, spreading outward in approximately two-foot layers. The Class III materials will be compacted as necessary by a front-end loader or bulldozer and/or landfill compactor. The material types comprising Class III refuse are not always conducive to compaction. Therefore, compaction equipment is not included as required equipment, but is available at the site.

Application of final cover is to be performed in accordance with the closure plan. Six inches of initial cover will be applied to the working face at least once a week. Intermediate cover consisting of one foot of compacted native sandy soil from a private dirt pit will be applied

within seven days of cell completion if final cover or an additional lift is not to be applied within 180 days of cell completion. Any intermediate areas that will not be landfilled or covered with final cover within six months will be seeded or covered with wood chips, straw, or other appropriate cover material to preclude slope erosion.

h. Operations of Gas, Leachate, and Stormwater Controls

See Sections 8, 9, and 10 for Gas, Leachate, and Stormwater Controls

i. Water Quality Monitoring

Refer to the Water Quality Monitoring Plan prepared by CDM Smith, dated October 2013.

j. Maintaining and Cleaning Leachate Collection System

Staff from the County's Wastewater Lift Station Maintenance Program inspects the leachate collection holding tanks on a monthly basis. Staff tests the alarms and manually operate the float switches to verify proper operation. In addition, the County will comply with the requirements of the Rule 62-701.500(8)(h), F.A.C. The leachate collection system is water pressure cleaned or inspected by video recording as least once every five years. The latest report is provided in Attachment 3-2.

3. Operating Record

The Operating Record shall consist of all records, reports, analytical results, demonstrations, and notifications required by Chapter 62-701, FAC, including the Department-issued permits, engineering drawings (with supporting information), and the landfill operator training verifications required by Chapter 62-701, FAC. The record is considered part of the operation plan and is kept at the Pasco County Government Utilities Services Branch office located in New Port Richey. Duplicates of the permit, engineering drawings, and the operating plan are kept on-site at the office of the landfill supervisor.

The Operating Record will be available for inspection at reasonable times by Department personnel.

4. Waste Records

Waste records are kept on file at the Pasco County Utilities Service Branch, Public Works/Utilities Building, Suite 213, 7530 Little Road, New Port Richey, of tonnage received and/or compiled monthly and provided to the Department quarterly.

5. Access Control

To prevent unauthorized access to the 800-acre site in West Pasco, the entire site is enclosed with either barbed-wire or chain-link fencing. Interior fencing separates the Resource Recovery Facility, the West Pasco Class I Landfill, and the West Pasco Class III Landfill and Recycling Center. Entrance gates at the Resource Recovery Facility and the West Pasco Class III Landfill are chain-link and are closed and secured during nonworking hours. The primary entrance gate to the Class III Landfill is from Hayes Road.

The landfill supervisor will check or have checked the integrity of the perimeter fencing on a regular basis. The landfill operators will secure the entrance gates at the end of the operating day. The landfill supervisor will ensure that the existing signs indicating the hours of operation and types of waste accepted are maintained.

6. Load Checking Program

A load checking program has been implemented to detect and discourage attempts to dispose of unauthorized wastes at the West Pasco Class III Landfill.

A minimum of three loads each week shall be closely examined and documented. A copy of the Load Inspection Form is provided in **Figure 5**. Deliveries will be off loaded at a designated location within the landfill for a content inspection. Should unacceptable wastes be found, the facility will contact the generator, hauler, or other party responsible for shipping the waste to the landfill to determine the identity of the waste sources.

Regulated hazardous wastes are not accepted at the West Pasco Class III Landfill. Should suspected hazardous waste be found, the following action is taken by Pasco County:

- The Environmental Deputy Sheriff is notified.
- The Pasco County Health Department is notified.
- The hauler is called and requested to report to the site by the Environmental Deputy Sheriff.
- Depending on circumstances, the Environmental Deputy Sheriff may make an arrest.
- Proper disposal of hazardous waste if any is found is required via licensed DOT hauler at hauler/generator's expense.

7. Landfilling Procedures

Waste layer thickness and compaction frequencies are covered in Section 2 above. Special considerations are made for the first layer of waste placed above the liner and leachate collection system. The first layer of waste placed above the liner and leachate collection system will be four feet in compacted thickness and consist of special selected wastes containing no large, rigid objects that may damage the liner or leachate collection system. The working face of the cell, and side grades above land surface, shall be at a slope no greater than three feet horizontal to one-foot vertical rise. Lift depth should not exceed ten feet but may vary depending on specific operations and daily volume of waste, width of working face, and good safety practices. The West Pasco Class III working face will be only wide enough to accommodate vehicles discharging waste, and to control exposed area and conserve cover material. A temporary berm will be constructed around the working face to minimize the formation of leachate. The temporary berm will be moved as the working face/lift progresses.

Initial cover will be applied to solid waste disposal units in order to minimize any adverse environmental, safety, or health affects such as those resulting from birds, blowing litter, odors, disease vectors, or fires. Initial cover at the solid waste disposal units will be applied at the end of each working week. The initial cover will be comprised of soil material and be six inches in compacted thickness.

Intermediate cover, in addition to six-inch initial cover, will be applied and maintained within seven days of disposal unit completion if additional solid waste will not be deposited within 180 days of disposal unit completion. The intermediate cover, when disposal to the initial fill phase and disposal activity is shifted to a new adjacent disposal unit for more than 180 days, will be graded to provide a surface slope and will also be seeded or sodded with grass to further promote run-off and minimize infiltration. When disposal activity is resumed in the disposal unit, the intermediate cover will be pushed aside and stockpiled for use as initial cover for the resumed disposal activity.

Once the solid waste disposal units have been filled to the final grades, final cover will be applied in accordance with the closure plan. Areas of final cover will be seeded with grass or other suitable cover.

Scavenging and salvaging shall not be permitted at the landfill site.

A litter policing operation shall be employed to keep litter from leaving the working area of the landfill. Litter outside the working area shall be picked up by landfill employees within 24 hours.

Grass vegetative cover will be established and maintained on all landfill berm outer slopes, stormwater retention pond outer slopes, and along interior access roads. The Landfill Supervisor or his designee will conduct once a week inspections (twice per week during the wet seasons) and immediately after heavy storms to detect any emerging erosion. Landfill staff will promptly repair detected erosion. The County shall notify the FDEP of any erosion problem expected to not be corrected within 7 days and provide a schedule for its repair.

8. Operation of Leachate Controls

Each disposal unit is separated by an approximately 4-foot high lined berm; there is no liner penetration on the berm liner. Additionally, to prevent leachate contamination or backflow, there is no piping connection between any of the cell units. Leachate flows via gravity to two identical underground storage tanks located adjacent to the disposal units. A detailed sketch of both leachate holding tanks and the four cells showing piping to the holding tanks is attached as Figure 4. From the tanks, leachate is pumped directly to the adjacent Shady Hills Wastewater Treatment Facility.

Pumps serving both leachate holding tanks are automatically activated and deactivated by level switches. The five float-switches are designated as follows:

- a. Low-low level alarm/shutoff, to protect pump motors.
- b. Low level shutoff to deactivate pumping cycle.
- c. Activates pumps for pumping cycle.
- d. Float for future use (not used at this time).
- e. High-high level alarms (set at approximately 5'0 below the top of leachate holding tank).

At the high-high alarm, the pump system will be repaired and Pasco County will utilize their tanker fleet to pump and haul leachate to a wastewater treatment plant as necessary to prevent overflow. The same procedure will be followed in case of equipment failures.

In the unlikely event of leachate becoming hazardous waste, Pasco County will comply with the state and federal regulations for managing the leachate as a hazardous waste. The leachate would continue to be stored in the on-site tank for less than 30 days but would be transported to a licensed hazardous waste TSDF (Treatment Storage Disposal Facility) instead of to the WWTP.

The leachate holding tanks are metered and recorded in daily logs. Rainfall is recorded by visual rain gauges and is recorded on the daily leachate log sheets.

9. Routine Gas Monitoring Program

Of the Class III Landfill disposal's four cells, Cell #2 is currently in use for acceptance of C&D material. As a Class III facility that disposes primarily of construction and demolition (C&D) material, gas generation is expected to be minimal. Nonetheless, Pasco County has implemented a gas monitoring program. The Class III C&D Landfill is situated in excess of 750 feet from all property boundaries, with the closest structure being in excess of 1,000 feet. The scale house and landfill operator's office, the closest structure, will be checked via gas meter quarterly and the results will be reported to the Department. Existing surficial aquifer wells 2MW-7, 2MW-8, and 2MW-10 will be used for conducting quarterly subsurface landfill gas monitoring adjacent to Cells #1 and #2. If the methane gas levels exceed the lower explosive limits specified by the F.A.C., the operator shall:

- a. Notify his supervisor, who will take measures (if necessary) to protect health and safety.
- b. Submit to the department within seven days a remediation plan. The plan shall describe the nature and extent of the problem and the proposed remedy.
- c. Complete the approved remediation construction within 60 days.

10. Odor Remediation Plan

The facility will be operated to control objectionable odors. If gas concentrations cause objectionable odors beyond the landfill property boundary, the operator shall

- a. Implement a routine odor monitoring program to determine the timing and extent of any off-site odors.
- b. If the monitoring program confirms the existence of objectionable odors, an odor remediation plan will be submitted to the Department for approval. The plan will describe the nature and extent of the problem and the proposed remedy. The remedy will be initiated within 30 days of approval.

11. Landfill Stormwater Management System

The access road encompassing the landfill area and the disposal unit berms are elevated above existing ground elevations to prevent any surface water from entering the waste-filled area.

Additionally, a large swale is located at the base of the landfill slope on the interior side of the access road. The swale is designed to receive run-off from the predeveloped and closed-out areas of the landfill.

The bottom of each landfill disposal unit is lined and positioned above the seasonal high water table to prevent any lateral flow into the waste-filled areas in the unlikely event that standing water was to accumulate in the swales. Also, closed-out disposal units will be capped to inhibit vertical infiltration/percolation of rain.

The landfill supervisor will routinely inspect the stormwater management system. Particular attention will be given to inspecting the culverts under the access road for any blockage. The stormwater management system will also be inspected prior to an anticipated natural disaster if sufficient notice is available, and after any natural disaster.

12. Equipment and Operation Requirements

a. Adequate In-Service and Reserve Equipment

Table 1 lists equipment used at the West Pasco County Class III Landfill. Cooperative lending agreements can also be used as a means of procuring additional back-up equipment either from the nearby Class I Facility or the Pasco County Road and Bridge Department:

Table 1

<u>Number</u>	<u>Equipment</u>
1 ^a	Front-end Loader
1 ^a	Compactor
1 ^b	Water Truck w/Spray Boom
1 ^b	Leachate Transport Vehicle
1 ^b	Bulldozer

^aTo be permanent on-site equipment.

^bTo be provided on an as-needed basis from available equipment from the adjacent Class I facility.

b. Reserve Equipment/Arrangements to Obtain Additional Equipment within 24 Hours of Breakdown

Equipment Failure Procedure:

If equipment fails, the landfill supervisor will be notified so that arrangements can be made for the equipment repair. If the downtime is expected to hinder landfill operations, the landfill supervisor will obtain back-up equipment under established cooperative lending agreements with other solid waste management facilities or other County departments.

c. Communication Equipment

Communication between personnel in the West Pasco Landfill Maintenance Building and the Resource Recovery Facility Scale House, and the West Pasco Class III Scale House and landfill staff operating equipment is maintained by two-way radios and the master communication system maintained for all County departments. Additionally, landfill staff can contact each other by two-way radios. A telephone is available in the scale house office.

d. Dust Control Methods

Dust control will be performed using a spray truck which will set down unpaved access roads and areas immediately to the working face. Dust masks will also be available to personnel working in excessively dusty areas. The source of water used for dust control is a reclaimed water fire hydrant located on the facility.

e. Fire Protection Capabilities and Procedures

In the event that an uncontrollable fire does occur at the landfill site, the fire department will be contacted immediately. Small fires on the working face will be snuffed by a bulldozer. On-site stockpiles of soil will be available for suppressing fires. Pasco County has 6,000 gallon tanker with spray and 4,000 gallon water truck with directional cannon on site. Non-potable water hydrants are also located at the Class III landfill.

A hot load area will be provided by the spotter in a location away from the working face to allow any vehicles arriving at the landfill with a fire in their load to dump quickly in an area where the "hot load" can be controlled and quickly covered with soil. The location of the hot load area will change from time to time with changing working face locations. After fire suppression of the hot load, the load will be disposed as a Class I waste.

Emergency Fire Procedures:

In the highly unlikely event that an UNCONTROLLABLE fire does occur at the landfill site:

- (1) Field staff will contact scale attendant via two-way radio, private details.
- (2) Scale attendant will contact 9-1-1, requesting fire company response.
- (3) Scale attendant will notify landfill operator.
- (4) Landfill operator will direct additional equipment and manpower as may be required.

Controllable Fire:

- (1) See Item (1) above.
- (2) Field staff will put out the fire using landfill equipment and soil from an on-site stockpile maintained for the suppression.
- (3) See Item (1) above.
- (4) Landfill supervisor will inspect scene.

f. Litter Control Devices

Litter will be controlled by requiring covering loads, efficient unloading and cover operations, and by routine cleanup as required.

g. Signs, Hours of Operation, and Disposal Restrictions

<u>Sign No.</u>	<u>Size</u>	<u>Wording</u>	<u>Location</u>
1	72"x42"	West Pasco Recycling Center and Class III Landfill operating hours: 07:00 a.m. to 05:00 p.m.	Front Gate
2	36"x18"	14230 Hays Road	Front Gate
3	46"x48"	All vehicles weighed at \$56.70/T.	Entry Gate 2
4	46"x18"	No charge, normal household solid waste/garbage	Entry Gate 2
5	48"x24"	Construction debris, demolition debris, waste tires, yard waste, proceed over the scale	Just before the Scale House
6	24"x36"	All vehicles must stop at scale house	Just before the Scale House
7	24"x16"	Construction demolition debris	C&D Cell Unit 1
8	24"x30"	Children must stay in vehicle	Leaving the Scale
9	16"x24"	Grass, clippings, leaves	At Cell Unit 1
10	12"x10"	Tank 1	At Tank 1
11	12"x10"	Tank 2	At Tank 2
12	15"x6"	No smoking	At all Leachate Tanks and at Cell 1 and Cell 4

13. All-Weather Access Road

All road providing access to the landfill disposal units are paved with asphalt. These roads include access roads from the Resource Recovery Facility and the West Pasco Class III Landfill and Recycling Center, a perimeter road, and entrance ramps to the constructed disposal units.

14. Record Keeping and Reporting Requirements

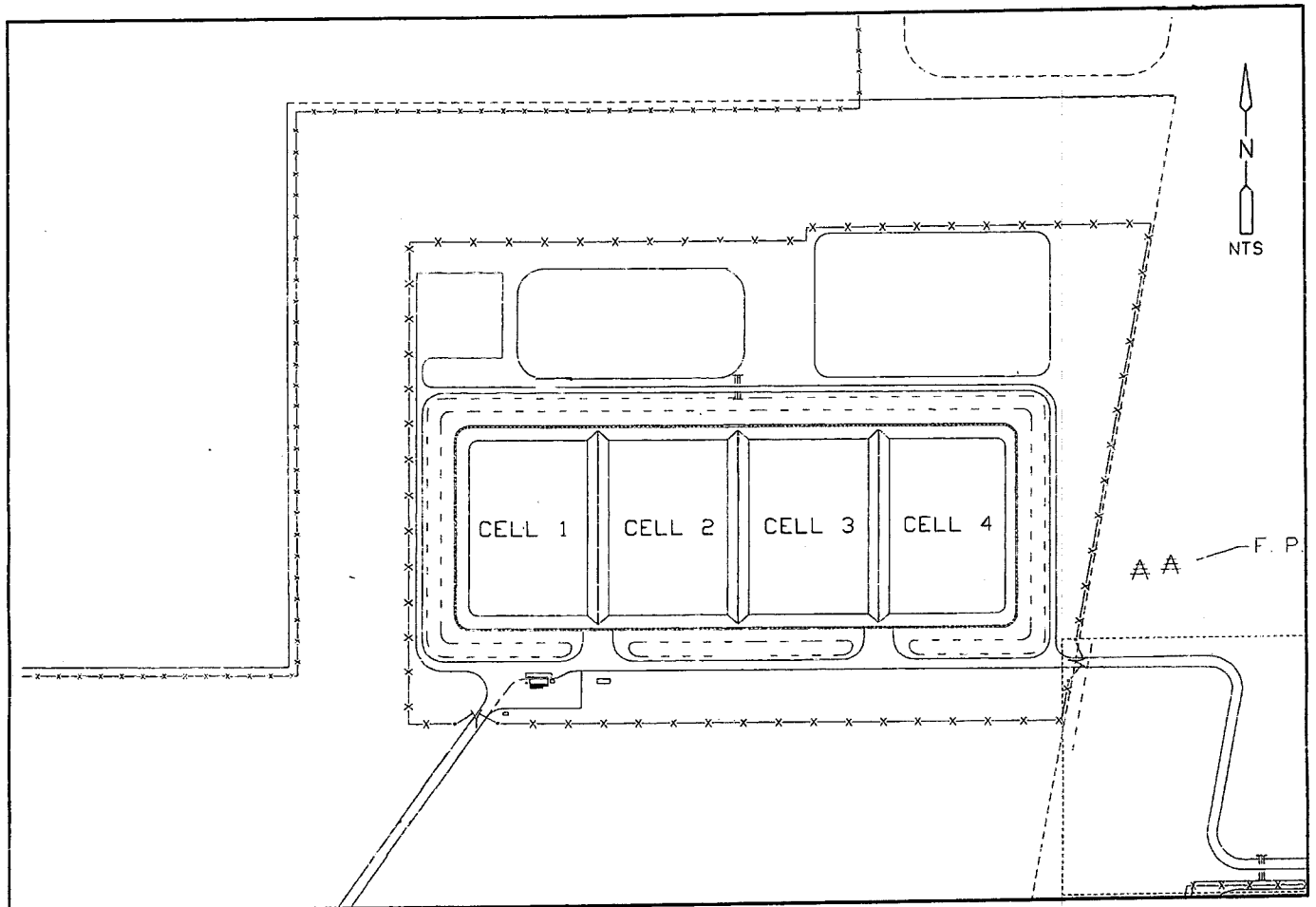
Records used for developing permit applications and other supplemental information will be maintained for the design period of the landfill in the Utilities Services Branch files.

Records of all monitoring information, including calibration and maintenance records, all original chart recordings for continuous monitoring instrumentation, and copies of all reports required by permit will be maintained for at least ten years in the Utilities Services Branch files.

Background water quality records will be maintained for the design period of the landfill in the Utilities Services Branch file.

An annual estimate of the remaining life and capacity in cubic yards of the existing, constructed landfill and an annual estimate of the life and capacity in cubic yards of other permitted area not yet constructed will be maintained by the Utilities Services Branch files. The estimates will be made and reported annually to the Department.

A technical report, prepared, signed and sealed by a P.G. or P.E. with experience in hydrogeologic investigations, will be submitted to the Department every two and one-half years. The report will summarize and interpret the water quality data and water level measurements collected during the past two and one-half years in accordance with 62-701.510(8)(b), F.A.C. The report will also include tabular and graphical displays of any parameters detected and water level hydrographs for all monitoring wells. The report will further show trends and comparison zones or aquifers, comparisons between upgradients and downgradient wells, correlations between related parameters, and any discussions of erratic and/or poorly correlated data. Groundwater contour maps will be interpreted as to groundwater flow direction and rates. The report will further evaluate the adequacy of the water quality monitoring frequency and sampling locations based upon the site conditions. The report will be signed, dated, and sealed by a P.G. or P.E.



**CDM
Smith**

Figure No.1
West Pasco
Class III Landfill
Site Layout

WEST PASCO COUNTY LANDFILL
CLASS III
SEQUENCE OF FILL

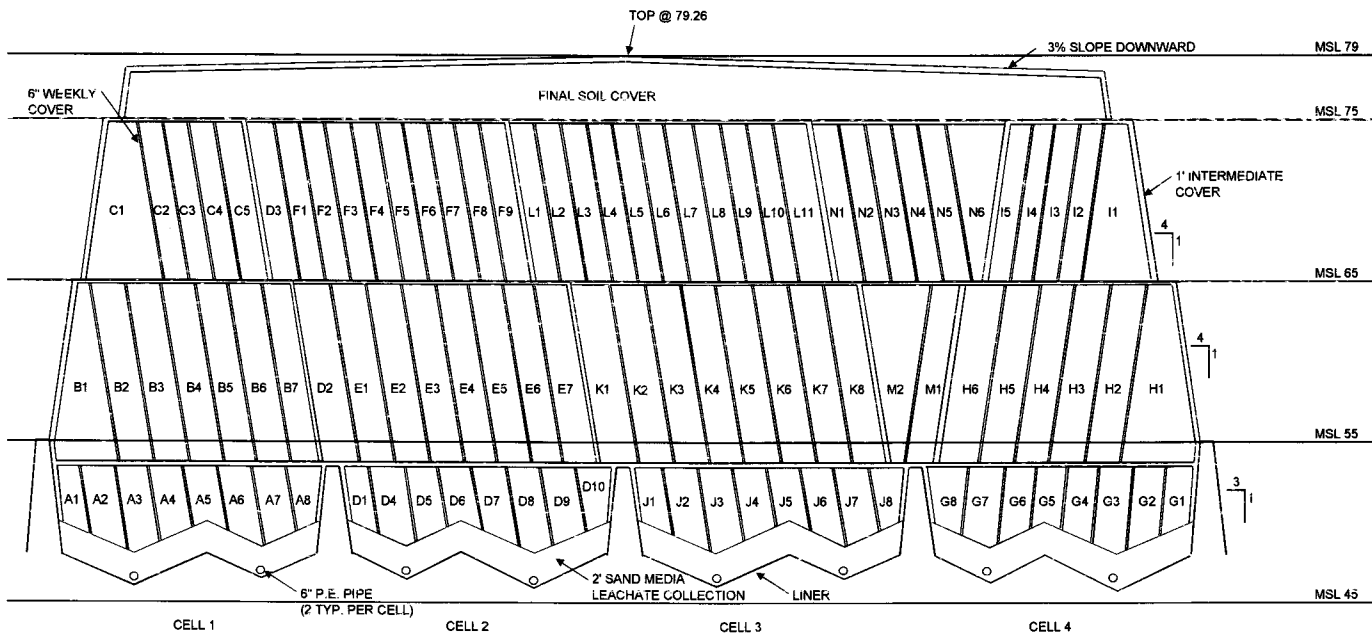
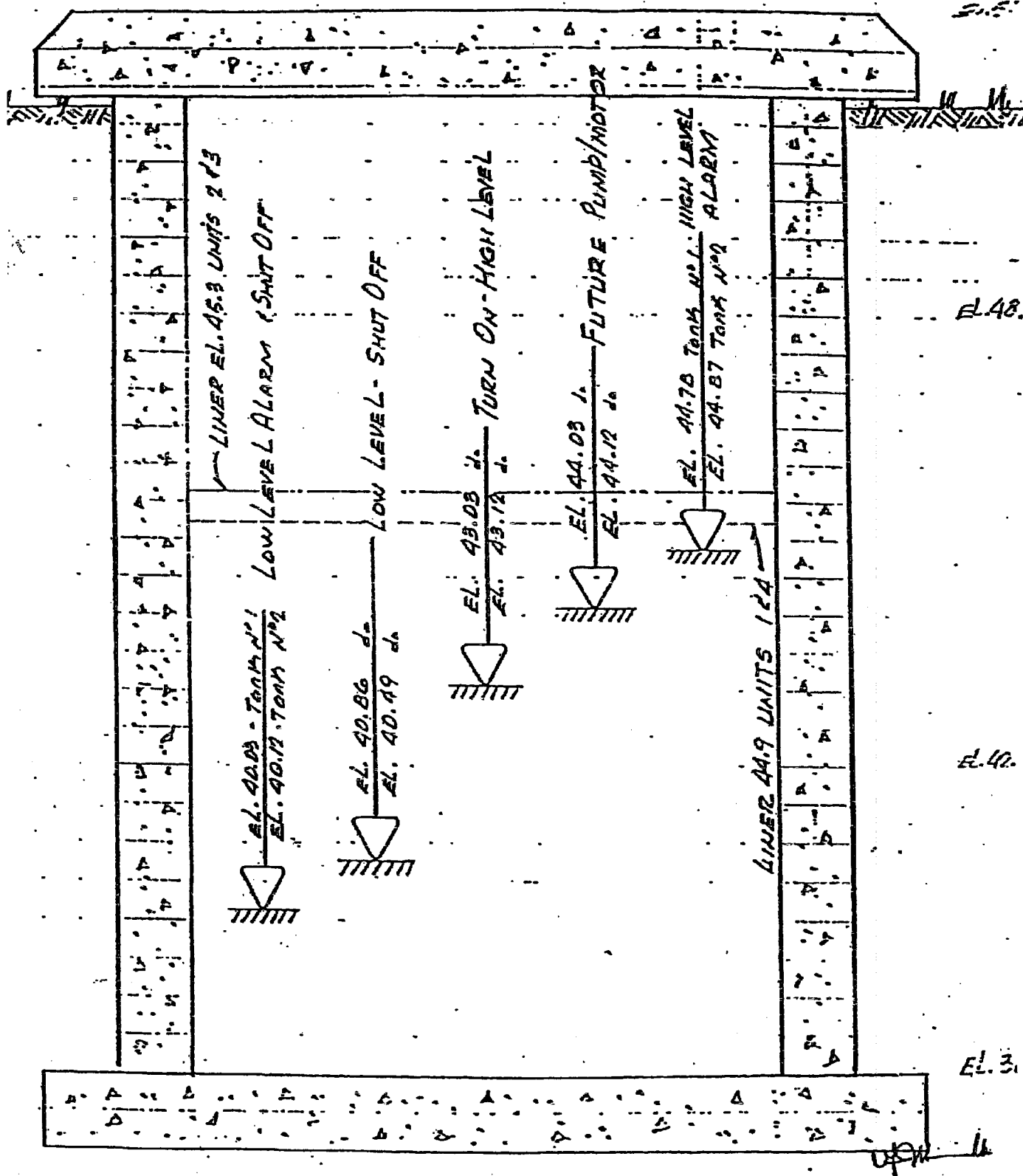


FIGURE NO. 2

Note: Figure is NOT to scale. Figure shall be used only to obtain general sequence of fill.



LEACHATE HOLDING TANKS:

N°s 1 & N°2

NO SCALE

FIGURE N°3

10/27/95

#31/40

WEST PASCO COUNTY LANDFILL
CLASS III
LINER, INVERT, & TANK ELEVATION

TANK NO. 1	
RIM	51.03
INVERT	39.32
LINER	44.90
COMPLIANCE	45.90



TANK NO. 2	
RIM	51.12
INVERT	39.85
LINER	44.90
COMPLIANCE	45.90

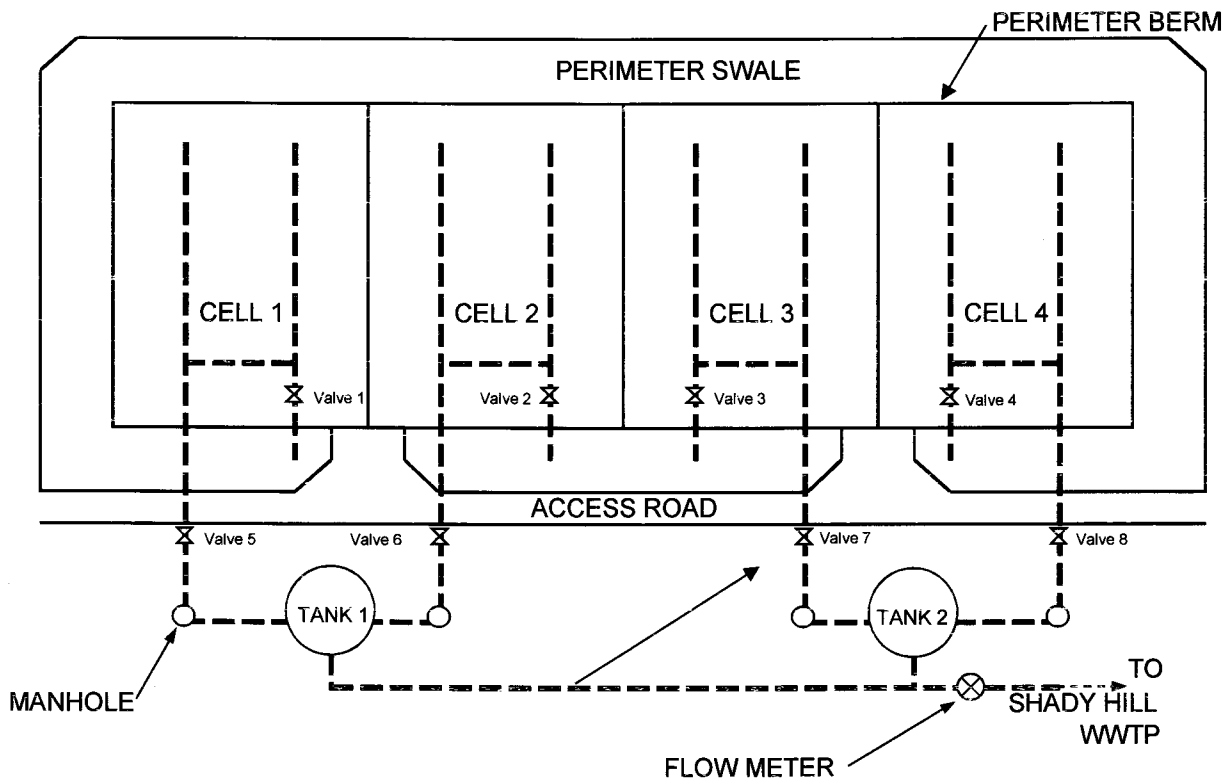


FIGURE NO.4

WASTE SCREENING REPORT

Waste Hauler Company: _____ Date: _____

A. ☐ Acceptable Waste (Do NOT Complete Parts C, D, E)

B. Type of Vehicle

- | | |
|-----------------------------------|---|
| <input type="checkbox"/> Drop Box | <input type="checkbox"/> Rear Packer |
| <input type="checkbox"/> Other | <input type="checkbox"/> Transfer Vehicle |

C. Type of Unacceptable Waste

- | | |
|--|--|
| <input type="checkbox"/> Unburnable Construction Materials | <input type="checkbox"/> Asbestos Wastes |
| <input type="checkbox"/> Wallboard/Drywall/Gypsum Board | <input type="checkbox"/> Dangerous Materials |
| <input type="checkbox"/> Oversize Tires/Rim On | <input type="checkbox"/> Tar or Asphalt |
| <input type="checkbox"/> Other (describe) _____ | |

D. Description of Unacceptable Waste

- ☐ Identifying Marks (specify) _____
- ☐ Number/Quantity of Items _____
- ☐ Description of Materials (Document with Photos if appropriate) _____

E. Disposition of Unacceptable Waste (Removal Date: _____)

- ☐ Returned to Vehicle
- ☐ Isolated and monitored for removal by hauler
- ☐ Other (describe): _____

F. Inspector: Signature _____ Date _____

Figure 5
Load Inspection Form