

Original

DER Form #	17-730.900(2)
Form Title	Ap. for a Hazardous Waste Facility Permit
Effective Date	
DER Application No.	(Filed in by DER)

# Application for a Hazardous Waste Facility Permit

## Part I - General

To Be Completed By All Applicants

OCT 10 1989  
SOUTH WEST DISTRICT  
TAMPA

Please Type or Print

### A. General Information

- Type of Facility:  
Disposal ☒ Landfill ☐ Land Treatment ☐ Surface Impoundment ☐ Miscellaneous Units ☐  
Storage ☒ Containers ☒ Tanks ☐ Piles ☐ Surface Impoundment ☐ Miscellaneous Units ☐  
Treatment ☒ Tanks ☐ Piles ☐ Incineration ☐ Surface Impoundment ☐ Miscellaneous Units ☐
- Type of Application: ☐ TOP ☐ Construction ☒ Operation ☐ Closure ☐ RD&D
- Date current operation began (or is expected to begin): November 1989
- Facility Name: Universal Waste & Transit, Inc
- EPA/DER I.D. No.: FLD 981 932 494
- Facility location or street address: 2002 N. Orient Road
- Facility mailing address: 2002 N. Orient Road Tampa Florida 33619  
Street or P.O. Box City State Zip
- Contact person: ~~Don De~~ SHARON ROEN Telephone: (813) 623-5302  
Title: Vice President / General Manager
- Mailing address: 2501 N. Orient Road Suite A Tampa Florida 33619  
Street or P.O. Box City State Zip
- Operator's name: Universal Waste & Transit Telephone: (813) 623-5302
- Operator's address: 2501 N. Orient Rd. Suite A Tampa Florida 33619  
Street or P.O. Box City State Zip
- Facility owner's name: Universal Transit Property
- Facility owner's address: 2501 N. Orient Road Tampa, Florida 33619  
Street or P.O. Box City State Zip
- Legal structure: ☒ Corporation ☐ Non-Profit Corporation ☐ Partnership ☐ Individual  
☐ Local Government ☐ State Government ☐ Federal Government ☐ Other
- If an individual, partnership, or business is performed under an assumed name, specify county and state where name is registered.  
County: N/A State:
- If a corporation, indicate state of incorporation Delaware

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16. If an individual or partnership, list owners:

Name: N/A  
Address: \_\_\_\_\_  
Street or P.O. Box \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Street or P.O. Box \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Street or P.O. Box \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Street or P.O. Box \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

17. Site ownership status: ☒ Owned ☐ To be purchased ☐ To be leased \_\_\_\_\_ years  
☐ Presently leased: Expiration date \_\_\_\_\_ If leased, give:  
Land owner's name Universal Transit Property  
Land owner's address 2501 N. Orient Road Suite A Tampa Florida 33619  
Street or P.O. Box \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_

18. Engineer: James Winter Registration No.: \_\_\_\_\_  
Address: 4481-122nd Ave N Clearwater Florida 33715  
Street or P.O. Box \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Associated with: Seminole Engineering, Inc

19. Facility located on Indian land: ☐ Yes ☒ No

20. Existing or pending environmental permits: (Attach a separate sheet if necessary)

Name of Permit	Agency	Permit Number	Date Issued	Expiration Date
Hazardous Waste Transporter	FLD 981-932-494		11/23/88	11/23/90
Hazardous Waste Construction				
Construction Permit	hc-29-141782		11/23/88	11/23/90

B. Site Information

1. Facility location: County: Hillsborough Nearest community: Tampa  
Latitude: 27 Deg 57 min 49 sec Longitude: 82 deg 22 min 23 sec  
2. Area of facility site (acres): 1.4 acre MOL  
3. Attach a scale drawing and photographs of the facility showing the location of all past, present, and future treatment, storage and disposal areas. Also show the hazardous wastes traffic pattern including estimated volume and control.  
4. Attach topographic map which shows all the features indicated in the instruction sheet for this part.  
5. Is the site located in a 100-year flood plain? ☐ Yes ☒ No

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### C. Land Use Information

1. Present zoning of the site? Heavy Industrial
2. If a zoning change is needed, what should new zoning be? No change needed
3. Present land use of site construction of facility , previosly vacant land

### D. Operating Information

1. Is waste generated on site? ☒ Yes ☐ No List the SIC codes (4-digit)  
9511 8911 4953 7391
2. Attach a brief description of the facility operation, nature of the business, and activities that generate or otherwise involve hazardous waste.
3. Using the following table and codes provided, specify, (1) each process used for treating, storing, or disposing of hazardous waste (including design capacities) at the facility, and (2) the hazardous waste (or wastes) listed or designated in 40 CFR Part 261, including the annual quantities to be treated, stored, or disposed by each process at the facility. (See instructions for list of process codes and units).

Process Code	Process Design Capacity and Units of Measure	Hazardous Waste Code	Annual Quantity of Hazardous Waste and Units of Measure
	Include as attachment	10	

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## Part II

### A. General

- 1A. Attach a topographic map showing a distance of 1000 feet around the hazardous waste management area at a scale of 1 inch to 200 feet. Contours must be shown on the map with intervals sufficient to clearly show the pattern of surface water flow in the vicinity of and from each operational unit of the facility (e.g., contour intervals of 5 feet if relief is greater than 20 feet or an interval of 2 feet if relief is less than 20 feet). The map should clearly show the following:

- |   |  |
|---|--|
| 1) Map scale and date   | 7) Contours sufficient to show surface water flow  |
| 2) 100-year floodplain area   | 8) Loading and unloading areas                     |
| 3) Orientation of the map   | 9) Drainage or flood control barriers              |
| 4) Access control (fences, gates)   | 10) Hazardous waste units including clean up areas |
| 5) Injection and withdrawal wells both on-site and off-site   | 11) Runoff control system                          |
| 6) Building and other structures (recreational areas, access and internal roads, storm, sanitary and process sewerage systems, fire control facilities, etc.) |  |

- B. A wind rose should be included with the maps, or as a separate item, indicating the local prevailing wind speed and direction, legend, and date.

### C. Traffic information

Topographic maps may be obtained at the following address:

Branch of Distribution  
U.S.G.S.  
1200 South Eads  
Arlington, Virginia 22202  
Phone No. (703) 557-2751

Information on latitudes and longitudes may be obtained from the U.S.G.S. National Cartographic Information Center at (703) 860-6336.

### 2. Financial responsibility information

- a) Attach the most recent closure cost estimates for the facility (§264.142) and a copy of the financial mechanism used to establish financial assurance for closure of the facility [§264.143 and §270.14(b)(15)]. Use DER form numbers 17-730.900(4) (a,b,c,d,e,f,g,h,i, or j) only. Retyped documents are not acceptable. Send the originally signed documents to: Hazardous Waste Financial Responsibility Coordinator, Department of Environmental Regulation, Division of Waste Management, 2600 Blair Stone Road, Tallahassee, Florida, 32399-2400.
- b) If applicable, attach the most recent post-closure care cost estimate for the facility (§264.144) and a copy of the financial mechanism used to establish financial assurance for post-closure care of the facility [§264.145, §264.146 and §270.14(b)(16)]. Use DER form numbers 17-730.900(4) (a,b,c,d,e,f,g,h,i, or j) only. Retyped documents are not acceptable. Send the originally signed documents to the address in a. above.
- c) Attach a copy of the documents used to demonstrate liability coverage (§264.147). Use DER form numbers 17-730.900(4) (b,d,k,l,m or n) only. Retyped documents are not acceptable. Send the originally signed documents to the address in a. above. If forms 17-730.900(2) (k, l, m or n) are used, also send a signed duplicate original of the insurance policy with the originally signed documents to the address in a. above [§264.147(a)(1)(i) and (§270.14(b)(17)].

3. Attach a flood map. Information on flood areas may be obtained from a flood map produced by the Federal Insurance Administration (FIA) of the Federal Emergency Management Agency. If a FIA flood map is not available for an area, an equivalent mapping technique may be used to determine whether the facility is within the 100-year floodplain, and if so, what the 100-year flood elevation would be. Information requested in this section may be obtained from the U.S. Geological Survey, the Soil Conservation Service, the Water Management Districts, or the Regional Planning Councils.

If the site is located in the 100-year floodplain, identify the 100-year flood level and any other special flooding factors (e.g., wave action) which must be considered in designing, constructing, operating, or maintaining the facility to withstand washout from a 100-year flood. Additionally, provide the following information:

- a) Engineering analysis to indicate the various hydrodynamic and hydrostatic forces expected to result at the site as a consequence of a 100-year flood.
- b) Structural or other engineering studies showing the design of operational units (i.e., tanks, incinerators) and flood protection devices (i.e., floodwalls, dikes) at the facility and how these will prevent washout.
- c) If applicable, and in lieu of paragraphs (1) and (2) above, a detailed description of procedures to be followed to remove hazardous waste to safety before the facility is flooded, including:
- (1) Timing of such movement relative to flood levels, including the estimated time to move the waste to show that such movement can be completed before floodwaters reach the facility;
  - (2) A description of the location(s) to which the waste will be moved and a demonstration that those facilities will be eligible to receive hazardous waste in accordance with the regulations under 40 CFR Parts 264 and 265;

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(3) The planned procedures, equipment, and personnel to be used and the means to ensure that such resources will be available in time for use; and

(4) The potential for accidental discharges of the waste during movement.

If the site is not located in the 100-year floodplain, provide the source of data for such a determination and include a copy of the relevant FIA flood map or the calculations and maps used where a FIA map is not available.

#### 4. Facility security information

- Attach a description of the security procedures and equipment required by §264.14 [270.14(b)(4)].
- Attach a copy of the contingency plan required by 40 CFR Part 264, Subpart D [270.14(b)(7)].
- Attach a description of procedures, structures, or equipment used at the facility to:
  - Mitigate effects of equipment failure and power outages;
  - Prevent hazards in unloading operations (i.e., ramps, special forklifts);
  - Prevent undue exposure of personnel to hazardous waste (i.e., protective clothing);
  - Prevent contamination of water supplies;
  - Prevent run-off from hazardous waste handling areas to other areas of the facility or environment, or to prevent flooding (i.e., berms, dikes, trenches); and
  - Prevent accidental ignition or reaction of ignitable, reactive, or incompatible wastes [270.14(b)(9)].
- Attach a description of the preparedness and prevention procedures required by 40 CFR Part 264, Subpart C, including design and operation of the facility, required equipment, testing and maintenance of equipment, access to communications or alarm system, required aisle space, and arrangements with local authorities [270.14(b)(6)].
- Attach an outline of both the introductory and continuing training programs used to prepare persons to operate or maintain the hazardous waste management facility in a safe manner as required to demonstrate compliance with §264.16 [270.14(b)(12)].

5. Attach a copy of the reports of the chemical and physical analyses of the hazardous wastes handled at the facility, including all information which must be known to treat, store, or dispose of the wastes in accordance with §264.13 [270.14(b)(3)].

6. Attach a copy of the waste analysis plan required by §264.13 [270.14(b)(2)]. Such information should include the following:

- Parameters for which each hazardous waste will be analyzed and the rationale for the selection of these parameters;
- Test methods used;
- Sampling methods used;
- Frequency of analysis to ensure accuracy;
- Waste analyses that generators supply;
- Methods used to meet additional waste analysis requirements; and if applicable,
- For off-site facilities, the procedures used to inspect and ensure that the wastes received match the accompanying manifest.

7. Attach a copy of the procedures used to comply with §264.12 and 40 CFR Part 264, Subpart E (manifest system, record keeping, and reporting).

## B. Containers

The applicant must provide the following information in accordance with 40 CFR 264 Subpart I (§270.15).

1. Attach the requirements of either (a) or (b):

a) Demonstrate compliance with §264.175(c) by attaching:

- Test procedures and results or other documentation or information to show that the wastes do not contain free liquids; and
- A description of how the storage area is designed or operated to drain and remove liquids or how containers are kept from contact with standing liquids.

b) Describe the containment system to show compliance with §264.175(b) by attaching:

- Basic design parameters, dimensions, and materials of construction.
- How the design promotes drainage or how containers are kept from contact with standing liquids in the containment system.
- Capacity of the containment system relative to the number and volume of containers to be stored.
- Provisions for preventing or managing run-on.
- How accumulated liquids can be analyzed and removed to prevent overflow.

2. Attach sketches, drawings, or data demonstrating compliance with §264.176 (special requirements for ignitable or reactive wastes) and §264.177 (special requirements for incompatible wastes) where applicable.

3. Where incompatible wastes are stored or otherwise managed in containers, attach a description of the procedures used to ensure compliance with §264.177(a) and (b) (special requirements for incompatible waste) and §264.17(b) and (c) (general requirements for ignitable, reactive, or incompatible waste).

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4. Attach a description of the procedures used to comply with §264.171 (condition of containers), §264.172 (compatibility of waste with containers), and §264.173 (management of containers).
5. Attach a copy of the inspection procedures as required in §264.174 (inspections) and §264.15 (general inspection requirements).
6. Attach a copy of the closure plan as required by §§264.112 and 264.178.

### C. Tanks

The applicant must provide the following information in accordance with 40 CFR 264 Subpart J (§270.16).

1. A written assessment that is reviewed and certified by an independent, qualified, registered professional engineer to the structural integrity and suitability for handling hazardous waste of each tank system, as required under §§264.191 and 264.192.
2. Dimensions and capacity of each tank.
3. Description of feed systems, safety cutoff, bypass systems, and pressure controls (e.g., vents).
4. A diagram of piping, instrumentation, and process flow for each tank system.
5. A description of materials and equipment used to provide external corrosion protection, as required under §264.191(c).
6. For new tank systems, a detailed description of how the tank system(s) will be installed in compliance with §264.192(b), (c), (d), and (e).
7. Detailed plans and description of how the secondary containment system for each tank system is or will be designed, constructed, and operated to meet the requirements of §264.193(a), (b), (c), (d), (e), and (f).
8. For tank systems for which a variance from the requirements of §264.193 is sought as provided by §264.193(g):
  - a) Detailed plans and engineering and hydrogeologic reports, as appropriate, describing alternate design and operating practices that will in conjunction with location aspects, prevent the migration of any hazardous wastes or hazardous constituents into the ground water or surface water during the life of the facility, or
  - b) A detailed assessment of the substantial present or potential hazards posed to human health or the environment should a release enter the environment.
9. Description of controls and practices to prevent spills and overflows, as required under §264.194(b).
10. For tank systems in which ignitable, reactive, or incompatible wastes are to be stored or treated, a description of how operating procedures and tank system and facility design will achieve compliance with the requirements of §§264.198 and 264.199.
11. A schedule and procedure for meeting inspection requirements as required by §§264.15 and 264.195.
12. Attach a copy of the closure and post-closure plan as required by §§264.112 and 264.197.
13. Attach a copy of the plan for the response to leaks or spills and disposition of leaking or unfit-for-use tank systems as required by §264.196.

### D. Surface Impoundments

The applicant must provide the following information in accordance with 40 CFR 264 Subpart K (§270.17).

1. Attach a list of the hazardous wastes placed or to be placed in each surface impoundment.
2. Attach detailed plans and an engineering report describing how the surface impoundment is or will be designed, constructed, operated, and maintained to meet the requirements of §264.221. This submission must address the following items as specified in §264.221:
  - a) The liner system (except for an existing portion of a surface impoundment). If an exemption from the requirement for a liner is sought as provided by §264.221(b), submit detailed plans and engineering and hydrogeologic reports as appropriate, describing alternate design and operation practices that will, in conjunction with location aspects, prevent the migration of any hazardous constituents into the ground water or surface water at any future time;
  - b) Prevention of overtopping; and
  - c) Structural integrity of dikes.
3. Attach a description of how each surface impoundment, including the liner and cover systems and appurtenances for control of overtopping, will be inspected in order to meet the requirements of §§264.226(a) and (b). This information should include the inspection plan required under §264.15.
4. Attach a certification by a qualified engineer which attests to the structural integrity of each dike, as required under §264.226(c). For new units, the owner or operator must submit a statement by a qualified engineer that he will provide such a certification upon completion of construction in accordance with the plans and specifications.
5. Attach a description of the procedure to be used for removing a surface impoundment from service, as required under §§264.227(b) and (c).

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6. Attach a description of how hazardous waste residues and contaminated materials will be removed from the unit at closure, as required under §264.228(a)(1). For any wastes not to be removed from the unit upon closure, the owner or operator must submit detailed plans and an engineering report describing how §264.228(a)(2) and (b) will be complied with. This information should include the closure plan and, where applicable, the post-closure plan required under §264.112\* and 264.228\*.
  7. If ignitable or reactive wastes are to be placed in a surface impoundment, attach an explanation of how §264.229 and 264.17 will be complied with.
  8. If incompatible wastes or incompatible wastes and materials will be placed in a surface impoundment, attach an explanation of how §264.230 and 264.17 will be complied with.
  9. Attach a copy of the notice that has been placed in the deed or other instrument required by §264.119.
  10. If applicable, attach a waste management plan for EPA Hazardous Waste Nos. F020, F021, F022, F023, F026, and F027 describing how the surface impoundment is or will be designed, constructed, operated, and maintained to meet the requirements of §264.231. This submission must address the following items as specified in §264.231:
    - a) The volume and the physical and chemical characteristics of the wastes, including their potential to migrate through soil or to volatilize or escape into the atmosphere;
    - b) The attenuative properties of underlying and surrounding soils or other materials;
    - c) The mobilizing properties of other materials co-disposed with these wastes; and
    - d) The effectiveness of additional treatment, design, or monitoring techniques.
  11. Attach the information described in Part II M - Ground Water Protection.
  12. Attach the information described in Part II O - Exposure Information.
- \*This information should be included in the contingency plan submitted under §264.227.

#### E. Waste Piles

The applicant must provide the following information in accordance with 40 CFR 264 Subpart L (§270.18).

1. Attach a list of hazardous wastes placed or to be placed in each waste pile.
2. If an exemption is sought to §264.251 and Subpart F of Part 264, as provided by §264.250(c) or §264.90(b)(2), attach an explanation of how the requirements of §264.250(c) will be complied with or detailed plans and an engineering report describing how the requirement of §264.90(b)(2) will be met.
3. Attach detailed plans and an engineering report describing how the pile is or will be designed, constructed, operated and maintained to meet the requirements of §264.251. This submission must address the following items as specified in §264.251:
  - a) The liner system (except for an existing portion of a pile). If an exemption from the requirement for a liner is sought, as provided by §264.251(b), the owner or operator must submit detailed plans and engineering and hydrogeologic reports as appropriate, describing alternate design and operating practices that will, in conjunction with location aspects, prevent the migration of any hazardous constituents into the ground water or surface water at any future time;
  - b) Control of run-on;
  - c) Control of run-off;
  - d) Management of collection and holding units associated with run-on and run-off control systems; and
  - e) Control of wind dispersal of particulate matter, where applicable.
4. Attach a description of how each waste pile, including the liner and appurtenances for control of run-on and run-off, will be inspected in order to meet the requirements of §264.254(a) and (b). This information should include the inspection plan required under §264.15.
5. If treatment is carried out on or in the pile, attach details of the process and equipment used, and the nature and quality of the residuals.
6. If ignitable or reactive wastes are to be placed in a waste pile, attach an explanation of how the requirements of §264.256 and 264.17 will be complied with.
7. If incompatible wastes or incompatible wastes and materials will be placed in a waste pile, attach an explanation of how §264.257 and 264.17 will be complied with.
8. Attach a description of how hazardous waste residues and contaminated materials will be removed from the waste pile at closure, as required under §264.258(a). For any waste not to be removed from the waste pile upon closure, the owner or operator must submit detailed plans and an engineering report describing how §264.310(a) and (b) will be complied with. This information should include the closure plan and, where applicable, the post-closure plan required under §264.112 and 264.118.
9. If applicable, attach a copy of the notice that has been placed in the deed or other instrument required by §264.119.
10. If applicable, a waste management plan for EPA Hazardous Wastes Nos. F020, F021, F022, F023, F026, and F027 describing how a waste pile that is not enclosed, as defined in §264.250(c), is or will be designed, constructed, operated, and maintained to meet the requirements of §264.259. This submission must address the following items as specified in §264.259:
  - a) The volume and the physical and chemical characteristics of the wastes to be disposed in the waste pile, including their potential to migrate through soil or to volatilize or escape into the atmosphere;

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- b) The attenuative properties of underlying and surrounding soils or other materials;
- c) The mobilizing properties of other materials co-disposed with these wastes; and
- d) The effectiveness of additional treatment, design, or monitoring techniques.

11. Attach the information described in Part II M - Ground Water Protection.

## F. Land Treatment

The applicant must provide the following information in accordance with 40 CFR 264 Subpart M (§270.20).

1. Attach a description of plans to conduct treatment demonstration as required under §264.272. The description must include the following information:
  - a) The wastes for which the demonstration will be made and the potential hazardous constituents in the wastes;
  - b) The data sources to be used to make the demonstration (e.g., literature, laboratory data, field data, or operating data); and
  - c) Any specific laboratory or field test that will be conducted, including:
    - 1) The type of test (e.g., column leaching, degradation);
    - 2) Materials and methods including analytical procedures;
    - 3) Expected time for completion;
    - 4) Characteristics of the unit that will be simulated in the demonstration including treatment zone characteristics, climatic conditions, and operating practices.
2. Attach a description of a land treatment program, as required under §264.271. This information must be submitted with the plans for the treatment demonstration and updated following the treatment demonstration. The land treatment program must address the following items:
  - a) The wastes to be land treated;
  - b) Design measures and operating practices necessary to maximize treatment in accordance with §264.273(a) including:
    - 1) Waste application method and rate;
    - 2) Measures to control soil pH;
    - 3) Enhancement of microbial or chemical reactions;
    - 4) Control of moisture content.
  - c) Provisions for unsaturated zone monitoring including:
    - 1) Sampling equipment, procedures, and frequency;
    - 2) Procedures for selecting sampling locations;
    - 3) Analytical procedures;
    - 4) Chain of custody control;
    - 5) Procedures for establishing background values;
    - 6) Statistical methods for interpreting results;
    - 7) The justification for any hazardous constituents recommended for selection as principal hazardous constituents, in accordance with the criteria for such selection in §265.278(a).
  - d) A list of hazardous constituents reasonably expected to be in, or derived from, the wastes to be land treated based on waste analysis performed pursuant to §264.13.
  - e) The proposed dimensions of the treatment zone.
3. Attach a description of how the unit is or will be designed, constructed, operated, and maintained in order to meet the requirements of §264.273. This submission must address the following items:
  - a) Control of run-on;
  - b) Collection and control of run-off;
  - c) Minimization of run-off or hazardous constituents from the treatment zone;
  - d) Management of collection and hold facilities associated with run-on and run-off control systems;
  - e) Periodic inspection of the unit. This information should include a copy of the inspection procedures required under §264.15; and
  - f) Control of wind dispersal of particulate matter, if applicable.
4. If food-chain crops are to be grown in or on the treatment zone of the land treatment unit, attach a description of how the demonstration required under §264.276(a) will be conducted including:
  - a) Characteristics of the food-chain crop for which the demonstration will be made;
  - b) Characteristics of the waste, treatment zone, and waste application method and rate to be used in the demonstration;
  - c) Procedures for crop growth, sample collection, sample analysis, and data evaluation; and
  - d) Characteristics of the comparison crop including the location and conditions under which it was or will be grown.



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5. If food-chain crops are to be grown, and cadmium is present in the land-treated waste, attach a description of how the requirements of §264.276(b) will be complied with.
6. A description of the vegetative cover to be applied to closed portions of the facility and a plan for maintaining such cover during the post-closure care period, as required under §§264.280(a)(8) and §264.280(c)(2). This information should include the closure plan and, where applicable, the post-closure care plan required under §§264.112 and 264.118.
7. If ignitable or reactive wastes will be placed in or on the treatment zone, attach an explanation of how the requirements of §§264.281 and 264.17 will be complied with.
8. If incompatible wastes or incompatible wastes and materials will be placed in or on the same treatment zone, attach an explanation of how §§265.282 and 264.17 will be complied with.
9. If applicable, a waste management plan for EPA Hazardous Waste Nos. F020, F021, F022, F023, F026, and F027 describing how a land treatment facility is or will be designed, constructed, operated, and maintained to meet the requirements of §264.283. This submission must address the following items as specified in §264.283:
  - a) The volume and the physical and chemical characteristics of the wastes, including their potential to migrate through soil or to volatilize or escape into the atmosphere;
  - b) The attentuative properties of underlying and surrounding soils or other materials;
  - c) The mobilizing properties of other materials co-disposed with these wastes; and
  - d) The effectiveness of additional treatment, design, or monitoring techniques.
10. Attach an unsaturated zone monitoring program as required by §264.278.
11. Attach a statement of how the recordkeeping requirement will be met to satisfy §264.279.
12. Attach the information described in Part II M - Ground Water Protection.

#### G. Landfills

The applicant must provide the following information in accordance with 40 CFR 264 Subpart N (§270.21).

1. Attach a list of the hazardous wastes placed or to be placed in each landfill or landfill cell.
2. Attach detailed plans and an engineering report describing how the landfill is or will be designed, constructed, operated, and maintained to comply with the requirements of §264.301. This submission must address the following items as specified in §264.301:
  - a) The liner system and leachate collection and removal system (except for an existing portion of a landfill). If an exemption from the requirements for a liner and a leachate collection and removal system is sought as provided by §264.301(b), submit detailed plans and engineering and hydrogeologic reports as appropriate describing alternate design and operating practices that will, in conjunction with location aspects, prevent the migration of any hazardous constituent into the ground water or surface water at any future time;
  - b) Control of run-on;
  - c) Control of run-off;
  - d) Management of collection and holding facilities associated with run-on and run-off control systems; and
  - e) Control of wind dispersal of particulate matter, where applicable.
3. If an exemption from Subpart F of Part 264 is sought, as provided by §264.90(b)(2), the owner or operator must submit detailed plans and an engineering report explaining the location of the saturated zone in relation to the landfill, the design of a double-liner system that incorporates a leak detection system between the liners, and a leachate collection and removal system above the liners.
4. Attach a description of how each landfill, including the liner and cover systems, will be inspected in order to meet requirements of §§264.303(a) and (b). This information should include the inspection plan required under §264.15.
5. Attach detailed plans and an engineering report describing the final cover which will be applied to each landfill or landfill cell at closure in accordance with §264.310(a), and a description of how each landfill will be maintained and monitored after closure in accordance with §264.310(b). This information should include the closure and post-closure plans required under §§264.112 and 264.118.
6. If ignitable or reactive wastes will be landfilled, attach an explanation of how the requirements of §264.312 and 264.17 will be complied with.
7. If incompatible wastes, or incompatible wastes and materials will be landfilled, attach an explanation of how §§264.313 and 264.17 will be complied with.
8. If bulk or non-containerized liquid waste or waste containing free liquids is to be landfilled, attach an explanation of how the requirements of Chapter 17-730.180(3) will be complied with.
8. If containers of hazardous waste are to be landfilled, attach an explanation of how the requirements of §§264.315 or 264.316, as applicable, will be complied with.
10. Attach a copy of the notice that has been placed in the deed or other instrument required by §264.119.

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11. If applicable, attach a waste management plan for EPA Hazardous Waste Nos. F020, F021, F022, F023, F026, and F027 describing how a landfill is or will be designed, constructed, operated, and maintained to meet the requirements of §264.317. This submission must address the following items as specified in §264.317:
  - a) The volume and the physical and chemical characteristics of the wastes, including their potential to migrate through soil or to volatilize or escape into the atmosphere;
  - b) The attenuative properties of underlying and surrounding soils or other materials;
  - c) The mobilizing properties of other materials co-disposed with these wastes; and
  - d) The effectiveness of additional treatment, design, or monitoring techniques.
12. Attach a statement of how the surveying and recordkeeping requirement will meet §264.309.
13. Attach the information described in Part II M - Ground Water Protection.
14. Attach the information described in Part II O - Exposure Information.

## H. Incinerators

The applicant must provide the following information in accordance with 40 CFR 264 Subpart O (§270.19).

1. The applicant must fulfill the requirements of either Section a), b), or c):
  - a) When seeking an exemption under §264.340(b) or (c) (ignitable, corrosive or reactive wastes only), attach documentation showing:
    - 1) That the waste is listed as a hazardous waste in Part 261, Subpart D, solely because it is ignitable (Hazard Code I), corrosive (Hazard Code C), or both; or
    - 2) That the waste is listed as a hazardous waste in Part 261, Subpart D, solely because it is reactive (Hazard Code R) for characteristics other than those listed in §261.23(a)(4) and (5), and will not be burned when other hazardous wastes are present in the combustion zone; or
    - 3) That the waste is a hazardous waste solely because it possesses the characteristic of ignitability, corrosivity, or both, as determined by the tests for characteristics of hazardous wastes under Part 261, Subpart C; or
    - 4) That the waste is a hazardous waste solely because it possesses the reactivity characteristics listed in §261.23(a)(1), (2), (3), (6), (7), or (8), and that it will not be burned when other hazardous wastes are present in the combustion zone.
  - b) Submit the results of a trial burn conducted in accordance with and including all the determinations required by the following:
    - 1) The trial burn must be conducted in accordance with a trial burn plan prepared by the applicant and approved by the Department. The trial burn plan will then become a condition of the permit. The trial burn plan will include the following information:
      - (a) An analysis of each waste, or mixture of wastes, to be burned which includes:
        - (1) Heat value of the waste in the form and composition in which it will be burned;
        - (2) Viscosity (if applicable), or description of physical form of the waste;
        - (3) An identification of any hazardous organic constituents listed in 40 CFR Part 261, Appendix VIII, which are present in the waste to be burned, except that the applicant need not analyze for constituents listed in 40 CFR Part 261, Appendix VIII, which would reasonably not be expected to be found in the waste. The constituents excluded from analysis must be identified and the basis for their exclusion stated. The waste analysis must rely on analytical techniques specified in "Test Methods for the Evaluation of Solid Waste, Physical/Chemical Methods" (incorporated by reference) or their equivalent; and
        - (4) An approximate quantification of the hazardous constituents identified in the waste, within the precision produced by the analytical methods specified in "Test Methods for the Evaluation of Solid Waste, Physical/Chemical Methods" (incorporated by reference) or their equivalent.
      - (b) A detailed engineering description of the incinerator for which the permit is sought, including:
        - (1) Manufacturer's name and model number of incinerator (if available);
        - (2) Type of incinerator;
        - (3) Linear dimensions of the incinerator unit including the cross sectional area of combustion chamber;
        - (4) Description of the auxiliary fuel system (type/feed);
        - (5) Capacity of prime mover;
        - (6) Description of automatic waste feed cut-off system(s);
        - (7) Stack gas monitoring and pollution control equipment;
        - (8) Nozzle and burner design;
        - (9) Construction materials; and
        - (10) Location and description of temperature, pressure, and flow indicating and control devices.
    - (c) A detailed description of sampling and monitoring procedures, including sampling and monitoring locations in the system, the equipment to be used, sampling and monitoring frequency, and planned analytical procedures for sample analysis.

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- (d) A detailed test schedule for each waste for which the trial burn is planned including date(s), duration, quantity of waste to be burned, and other factors relevant to the Department's decision under Paragraph (4) of this section.
  - (e) A detailed test protocol, including, for each waste identified, the ranges of temperature, waste feed rate, combustion gas velocity, use of auxiliary fuel, and any other relevant parameters that will be varied to affect the destruction and removal efficiency of the incinerator.
  - (f) A description of, and planned operating conditions for, any emission control equipment which will be used.
  - (g) Procedures for rapidly stopping waste feed, shutting down the incinerator, and controlling emissions in the event of an equipment malfunction.
  - (h) Such other information as the Department reasonably finds necessary to determine whether to approve the trial burn plan in light of the purposes of this paragraph and the criteria in Paragraph (4) of this section.
- 2) The Department, in reviewing the trial burn plan, shall evaluate the sufficiency of the information provided and may require the applicant to supplement this information, if necessary, to achieve the purposes of this paragraph.
- 3) Based on the waste analysis data in the trial burn plan, the Department will specify as Trial Principal Organic Hazardous Constituents (Trial POHC's), those constituents for which destruction and removal efficiencies must be calculated during the trial burn. These Trial POHC's will be specified by the Department based on its estimate of the difficulty of incineration of the constituents identified in the waste analysis, their concentration or mass in the waste feed, and, for wastes listed in 40 CFR Part 261, Subpart D, the Hazardous Waste Organic Constituent of constituents identified in Appendix VII of that part as the basis for listing.
- 4) The Department shall approve a trial burn plan if it finds that:
- (a) The trial burn is likely to determine whether the incinerator performance standard required by §264.343 can be met.
  - (b) The trial burn itself will not present an imminent hazard to human health or the environment.
  - (c) The trial burn will help the Department to determine operating requirements to be specified under §264.345.
  - (d) The information sought in paragraphs (4)(a) and (c) of this section cannot reasonably be developed through other means.
- 5) During each approved trial burn (or as soon after the burn as is practicable) the applicant must make the following determinations:
- (a) A quantitative analysis of the trial POHC's in the waste feed to the incinerator;
  - (b) A quantitative analysis of the exhaust gas for the concentration and mass emissions of the Trial POHC's, oxygen (O<sub>2</sub>) and hydrogen chloride (HCl);
  - (c) A quantitative analysis of the scrubber water (if any), ash residues, and other residues for the purpose of estimating the fate of Trial POHC's;
  - (d) A computation of destruction and removal efficiency (DRE) in accordance with the DRE formula specified in §264.343(a);
  - (e) If the HCl emission rate exceeds 1.8 kilograms of HCl per hour (4 lbs per hour), a computation of HCl removal efficiency in accordance with §264.343(b);
  - (f) A computation of particulate emissions in accordance with §264.343(c);
  - (g) An identification of sources of fugitive emissions and their means of control;
  - (h) A measurement of average, maximum, and minimum temperatures, and combustion gas velocity;
  - (i) A continuous measurement of carbon monoxide (CO) in the exhaust gas; and
  - (j) Such other information as the Department may specify as necessary to ensure that the trial burn will determine compliance with the performance standard in §264.343 and to establish the operating conditions required by §264.345 as necessary to meet that performance standard.
- 6) The applicant shall submit to the Department a certification that the trial burn has been carried out in accordance with the approved Trial Burn Plan, and the results of all the determinations required in Paragraph (5)(a) of this section. The submission shall be made within 90 days of the completion of the trial burn or later if approved by the Department.
- 7) All data collected during any trial burn must be submitted to the Department following the completion of the trial burn.
- 8) All submissions required by this paragraph shall be certified on behalf of the applicant by the signature of a person authorized to sign a permit application or a report.
- c) In lieu of a trial burn, the applicant may submit the following information:
- 1) An analysis of each waste or mixture of wastes to be burned including:
    - (a) Heat value of the waste in the form and composition in which it will be burned;
    - (b) Viscosity (if applicable) or description of physical form of the waste;
  - (c) An identification of any hazardous organic constituents listed in Part 261, Appendix VIII, which are present in the waste to be burned, except that the applicant need not analyze for constituents listed in Part 261, Appendix VIII, which would reasonably not be expected to be found in the waste. The constituents excluded from analysis must be identified and the basis for their exclusion stated. The waste analysis must rely on analytical techniques specified in "Test Methods for the Evaluation of Solid Waste, Physical/Chemical Methods" (incorporated by reference) or their equivalent;

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- (d) An approximate quantification of the hazardous constituents identified in the waste, within the precision produced by the analytical methods specified in "Test Methods for the Evaluation of Solid Waste, Physical/Chemical Methods" (incorporated by reference) or their equivalent; and
  - (e) A quantification of those hazardous constituents in the waste which may be designated as POHC's based on data submitted from other trial or operational burns which demonstrate compliance with the performance standard in §264.343.
- 2) A detailed engineering description of the incinerator, including:
    - (a) Manufacturer's name and model number of incinerator;
    - (b) Type of incinerator;
    - (c) Linear dimension of incinerator unit including cross sectional area of combustion chamber;
    - (d) Description of auxiliary fuel system (type/feed);
    - (e) Capacity of prime mover;
    - (f) Description of automatic waste feed cutoff system(s);
    - (g) Stack gas monitoring and pollution control monitoring system;
    - (h) Nozzle and burner design;
    - (i) Construction materials; and
    - (j) Location and description of temperature, pressure, and flow indicating devices and control devices.
  - 3) A description and analysis of the waste to be burned compared with the waste for which data from operational or trial burns are provided to support the contention that a trial burn is not needed. The data should include those items listed in this part. This analysis should specify the POHC's which the applicant has identified in the waste for which a permit is sought, and any differences from the POHC's in the waste for which burn data are provided.
  - 4) The design and operating conditions of the incinerator unit to be used, compared with that for which comparative burn data are available.
  - 5) A description of the results submitted from any previously conducted trial burn(s), including:
    - (a) Sampling and analysis techniques used to calculate performance standards in §264.343;
    - (b) Methods and results of monitoring temperatures, waste feed rates, carbon monoxide, and an appropriate indicator of combustion gas velocity (including a statement concerning the precision and accuracy of this measurement); and
    - (c) The certification and results required by Paragraph (b)(5)(b).
  - 6) The expected incinerator operation information to demonstrate compliance with §§264.343 and 264.345, including:
    - (a) Expected carbon monoxide (CO) level in the stack exhaust gas;
    - (b) Waste feed rate;
    - (c) Combustion zone temperature;
    - (d) Indication of combustion gas velocity;
    - (e) Expected stack gas volume, flow rate, and temperature;
    - (f) Computed residence time for waste in the combustion zone;
    - (g) Expected hydrochloric acid removal efficiency;
    - (h) Expected fugitive emissions and their control procedures; and
    - (i) Proposed waste feed cut-off limits based on the identified significant operating parameters.
  - 7) Such supplemental information as the Department finds necessary to achieve the purposes of this paragraph.
  - 8) Waste analysis data, including that submitted in Paragraph One (1) of this section, sufficient to allow the Department to specify as permit Principal Organic Hazardous Constituents (Permit POHC's) those constituents for which destruction and removal efficiencies will be required.
  - 9) The Department shall approve a permit application without a trial burn if it finds that:
    - (a) The wastes are sufficiently similar; and
    - (b) The incinerator units are sufficiently similar, and the data from other trial burns are adequate to specify (under §264.345) operating conditions that will ensure that the performance standards in §264.343 will be met by the incinerator.
2. Attach a copy of the inspection schedule which demonstrates compliance with §264.15 (General Inspection Requirements). Unless exempted in accordance with §263.340, include a demonstration of compliance with §264.347 (Monitoring and Inspections).
  3. Attach a copy of the closure plan as required in §§264.112 and 264.351.

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## I. Miscellaneous Units

The applicant must provide the following information in accordance with 40 CFR 264 Subpart X (§270.23)

1. Attach a detailed description of the unit being used or proposed for use, including the following:
  - a) Physical characteristics, materials of construction, and dimensions of the unit;
  - b) Detailed plans and engineering reports describing how the unit will be located, designed, constructed, operated (§264.73), maintained (§264.33), monitored, inspected (§264.15), and closed (§264.112) to comply with the requirements of §§264.601 and 264.602; and
  - c) For disposal units, a detailed description of the plans to comply with the post-closure requirements of §§264.603 and 264.118.
2. Attach detailed hydrologic, geologic, and meteorologic assessments and land-use maps for the region surrounding the site that address and ensure compliance of the unit with each factor in the environmental performance standards §264.601.
3. Attach information on the potential pathways of exposure of humans or environmental receptors to hazardous waste or hazardous constituents and on the potential magnitude and nature of such exposures.
4. Attach for any treatment unit, a report on a demonstration of the effectiveness of the treatment based on laboratory or field data.
5. If ignitable, reactive, or incompatible wastes are to be placed in the miscellaneous unit, attach an explanation of how the requirements of §264.17 will be complied with.
6. Submittal of 17-730.900(2) Part II - K - Closure
7. Submittal of 17-730.900(2) Part II - M - Ground Water Protection. (If applicable)
8. Submittal of 17-730.900(2) Part II - O - Exposure Information.

## J. Reserved

## K. Closure

The applicant must provide the following information in accordance with 40 CFR 264 Subpart G (§270.14(b)(13)).

1. Attach the following information to meet the closure performance standard of 40 CFR 264.111, which requires controlling, minimizing, or eliminating to the extent necessary to protect human health and the environment, post-closure escape of hazardous waste, hazardous constituents, leachate, contaminated run-off, or hazardous waste decomposition products to the ground water, surface waters or to the atmosphere (this plan must include all of the information required under Part II Sections A through I of this application) (§270.14(b)(13)):
  - a) A description of how each hazardous waste management unit at the facility will be closed in accordance with 40 CFR 264.111;
  - b) A description of how final closure of the facility will be conducted in accordance with 40 CFR 264.111. The description must identify the maximum extent of the operations which will be unclosed during the active life of the facility;
  - c) An estimate of the maximum inventory of wastes ever onsite over the active life of the facility and a detailed description of the methods to be used during partial closures and final closure, including but not limited to, methods for removing, transporting, treating, storing, or disposing of all hazardous wastes and identification of the type(s) of the offsite hazardous waste management units to be used, if applicable;
  - d) A detailed description of the steps needed to remove or decontaminate all hazardous waste residues and contaminated containment system components, equipment, structures, and soils during partial and final closure, including, but not limited to, procedures for cleaning equipment and removing contaminated soils, methods for sampling and testing surrounding soils, and criteria for determining the extent of decontamination required to satisfy the closure performance standard;
  - e) A detailed description of other activities necessary during the closure period to ensure that all partial closures and final closure satisfy the closure performance standards, including but not limited to, ground water monitoring, leachate collection, and run-on and run-off control; and
  - f) A schedule for closure of each hazardous waste management unit and for final closure of the facility. The schedule must include, at a minimum, the total time required to close each hazardous waste management unit and the time required for intervening closure activities which will allow tracking of the progress of partial and final closure.
  - g) For facilities that use trust funds to establish financial assurance under §264.143 or §264.145 and that are expected to close prior to the expiration of the permit, an estimate of the expected year of final closure.
2. Attach, if required, a post-closure plan in accordance with §264.118 and §264.197 which must contain the following information for each hazardous waste management unit at the facility subject to the requirements of Part 264 (this plan must include all information required by Part II Sections A through I of this application) (§270.14(b)(13)):

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- a) The activities which will be carried on after closure for each disposal unit and the frequency of these activities;
  - b) A description of the planned monitoring activities and frequencies at which they will be performed to comply with Subparts F, J, K, L, M, and N of Part 264 during the post-closure care period;
  - c) A description of the planned maintenance activities and frequencies at which they will be performed to ensure the integrity of the cap and final cover or other containment systems in accordance with the requirements of Subparts J, K, L, M and N of Part 264 and to ensure the function of the monitoring equipment in accordance with the requirements of Subparts F, J, K, L, M and N of Part 264; and
  - d) The name, address, and phone number of the person or office to contact about the hazardous waste disposal unit or facility during the post-closure care period.
3. If closure or post-closure plans have been approved by the Department as part of a TOP, Construction, or Operation Permit Application, attach a copy of a closure and post-closure plan as required by §264.112 and §264.118. Also, either:
- a) Attach a certification stating that no changes have been made to the plans which have been provided to the Department; or
  - b) Provide an amended plan showing all the changes which have been made, or are proposed to be made, to the plans which have been provided to the Department.

#### L. Compliance Schedule

1. The applicant may, at his option, propose a compliance schedule for achieving compliance with any standards that have not been met at this time. The Department will take this proposal into consideration when developing a compliance schedule.

#### M. Ground Water Protection

The applicant must provide the following information in accordance with 40 CFR 264 Subpart F (§270.14(C)).

The following additional information regarding protection of ground water is required from owners or operators of hazardous waste surface impoundments, piles, land treatment units, miscellaneous units, and landfills except as otherwise provided in §264.90(b) or Section 17-730.180(7), FAC:

1. A summary of the ground water monitoring data obtained during the interim status period under §§265.90 through 265.94, where applicable.
2. Identification of the uppermost aquifer and aquifers hydraulically interconnected beneath the facility property, including ground water flow direction and rate, and the basis for such identification (i.e., the information obtained from hydrogeologic investigations of the facility area including ground water contour maps).
3. On the topographic map required under Part II-A-1, a delineation of the waste management area, the property boundary, the proposed "Point of Compliance" as defined under §264.95, the proposed location of ground water monitoring wells as required under §264.97, and to the extent possible, the information required in (2) above.
4. A description of any plume of contamination that has entered the ground water from a regulated unit at the time that the application is submitted that:
  - a) Delineates the vertical and horizontal extent of the plume of the topographic map required under Part II-A-1; and
  - b) Identifies the concentration of each hazardous constituents in Appendix IX of Part 264 throughout the plume or identifies the maximum concentrations of each hazardous constituent in Appendix IX of Part 264 in the plume.
5. Detailed plans and an engineering report describing the proposed ground water monitoring program to be implemented to meet the requirements of §264.97.
6. If the presence of hazardous constituents has not been detected in the ground water at the time of permit application, the owner or operator must submit sufficient information, supporting data, and analyses to establish a detection monitoring program which meets the requirements of §264.98. This submission must address the following items as specified under §264.98:
  - a) A proposed list of indicator parameters, waste constituents, or reaction products that can provide a reliable indication of the presence of hazardous constituents in the ground water;
  - b) A proposed ground water monitoring system;
  - c) Background values for each proposed monitoring parameter or constituent, or procedures to calculate such values; and
  - d) A description of proposed sampling, analysis and statistical comparison procedures to be utilized in evaluating ground water monitoring data.
7. If the presence of hazardous constituents has been detected in the ground water at the point of compliance at the time of permit application, the owner or operator must submit sufficient information, supporting data, and analyses to establish a compliance monitoring program which meets the requirements of §264.99. The owner or operator must also submit an engineering feasibility plan for a corrective action program necessary to meet the requirements of §264.100 and Chapter 17-730.180(4) except as provided in §264.98(h)(5). To demonstrate compliance with §264.99, the owner or operator must address the following items:

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- a) A description of the wastes previously handled at the facility;
  - b) A characterization of the contaminated ground water, including concentrations of hazardous constituents;
  - c) A list of hazardous constituents for which compliance monitoring will be undertaken in accordance with §§264.97 and 264.99;
  - d) Proposed concentration limits for each hazardous constituent, based on the criteria set forth in §264.94(a), including a justification for establishing any alternate concentration limits;
  - e) Detailed plans and an engineering report describing the proposed ground water monitoring system, in accordance with the requirements of §264.97; and
  - f) A description of proposed sampling, analysis and statistical comparison procedures to be utilized in evaluating ground water monitoring data.
8. If hazardous constituents have been measured in the ground water which exceed the concentration limits established under §264.94 Table 1, or if ground water monitoring conducted at the time of permit application under §§265.90-264.94 at the waste boundary indicates the presence of hazardous constituents from the facility in ground water over background concentrations, the owner or operator must submit sufficient information, supporting data, and analyses to establish a corrective action program which meets the requirements of §§264.100 and 264.101 and Chapter 17-730.180(4). However, an owner or operator is not required to submit information to establish a corrective action program if the owner or operator demonstrates to the Department that alternate concentration limits will protect human health and the environment after considering the criteria listed in §264.94(b). An owner or operator who is not required to establish a corrective action program for this reason must instead submit sufficient information to establish a compliance monitoring program which meets the requirements of §264.99 and (6) above. To demonstrate compliance with §§264.100 and 264.101 and Chapter 17-730.180(4), the owner or operator must address, at a minimum, the following items:
- a) A characterization of the contaminated ground water, including concentrations of hazardous constituents;
  - b) The concentration limit for each hazardous constituent found in the ground water as set forth in §264.94;
  - c) Detailed plans and an engineering report describing the corrective action to be taken;
  - d) A description of how the ground water monitoring program will assess the adequacy of the corrective action; and
  - e) A description of the wastes previously handled at the facility.
9. Chapters 17-3 and 17-4, FAC, requirements.
- In accordance with Section 17-730.180(4)(c) hazardous waste facilities which may impact the ground water must also comply with the ground water provisions of Chapters 17-3 and 17-4. The Department's Supplemental Ground Water Monitoring Form (DER Form 17-1.216(3)), must be completed as part of the Hazardous Waste Permit Application unless the Department makes the determination that the facility's existing Hazardous Waste Ground Water Monitoring Program is in substantial compliance with Section 17-4.245(6).
10. Additional ground water monitoring requirements.
- a) All ground water samples must be taken without using filters. Filtered samples may be taken for comparison purposes only.
  - b) A well construction summary report must be completed and submitted for each piezometer, ground water monitoring and recovery well installed as part of initial site assessment and any ground water monitoring program(s) under 40 CFR Parts 264 and 265.

# Well Construction Summary Report

Facility: \_\_\_\_\_  
EPA identification number   
Well identification   
Date(s) of installation \_\_\_\_\_  
Well driller's complete name \_\_\_\_\_  
Well driller's license number \_\_\_\_\_  
Latitude         Longitude          
Elevation surface: \_\_\_\_\_, Elevation TOC: \_\_\_\_\_  
Surveyor's name: \_\_\_\_\_ Surveyor's license # \_\_\_\_\_  
Turbidity: \_\_\_\_\_ Date of reading        
Static water level (msl) \_\_\_\_\_

## Casing:

Material	Outside Diameter	Inside Diameter	Depth	
			From (ft)	To (ft)

## Screen:

Material	Outside Diameter	Inside Diameter	Depth		Slot Size
			From (ft)	To (ft)	

## Annulus:

Material including Additives for sealant	Size of Material	Depth		Installation Method
		From (ft)	To (ft)	

Drilling Method	Bit/Auger Diameter	From (ft)	To (ft)	Drilling fluids

## Well Construction Diagram

Surface (msl) \_\_\_\_\_

Scale: 1 unit = \_\_\_\_\_



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## Instructions for Well Construction Summary

- A. **Elevation:** The land surface elevation at the well location and the elevation of the top of casing (TOC) must be reported relative to mean sea level (MSL).
- B. **Turbidity:** Measurements must be made immediately after well development is completed.
- C. **Casing:** List the material of each casing used (PVC, stainless steel, etc.) in order of emplacement in each well, the inside and outside diameter of each casing, and the top and bottom depth of each casing (or series of casings where identical casings are used) relative to ground surface.
- D. **Screen:** List the material of the monitoring screen, inside and outside diameter of the screen, the top and bottom depth of the screen (relative to ground surface) and the manufactured slot (or perforation) size of the screen.
- E. **Annulus:** List the material(s) used to seal the annular space of the well along with any additives, the size of the material (filter pack), the depth interval (relative to ground surface), and the method used to install the material (tremie pipe, pouring, etc.).
- F. **Drilling method:** List drilling method(s) used to install the well (mud-rotary, etc.), the diameters of the bit or auger used, the drilling interval (relative to ground surface) for each method or bit/auger diameter used, and the type of drilling fluids used.
- G. **Well construction diagram:** The diagram should show the final construction details of the well including surface elevation, hole diameter, casing length, casing material, screen length, screen material, annulus sealant, and total depth of the well. Height (relative to ground surface) of stickup and presence of security should be indicated.
- H. **Latitude, Longitude:** These must be reported to the nearest one-hundredth (.01) of a second.

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#### N. Research, Development and Demonstration

- The applicant should submit a letter to the Department summarizing the proposed research prior to submitting the formal application so that the Department may, in accordance with 17-730.330(2), determine if any of the requirements of the application can be waived. This letter should contain:
  - The purpose of the research;
  - An explanation of why the research is innovative and experimental; and
  - A summary of the research objectives.
- As part of the formal application, the applicant should submit the following information:
  - The purpose of this project.
  - An explanation as to why the proposed activity is experimental and innovative.
  - A general description of the proposed activity.
  - The estimated time of operation for the experimental activities.
  - Any information on the expected performance of the unit.
  - A description of performance data that may have been previously generated from the operation of the unit.
- Monitoring and inspection requirements should be established at a level consistent with the proposed activity in order to assure protection of human health and the environment.
- Reporting and record keeping should be proposed in a manner which will sufficiently provide the Department with data about the operating efficiency of the RD&D activity. Time frames for the submission of data should be proposed and should be at a frequency adequate to allow proper department oversight of the experimental activity.
- Personnel qualifications should be given and be consistent with the proposed experimental activity. The personnel responsible for conducting and managing the experimental testing should be technically competent to assure that any situations which arise as a result of the experimental activity will be properly handled.
- A closure plan should be prepared in accordance with the appropriate sections of Part II of this application.

#### O. Exposure Information (§270.10(j))

The applicant must provide the following information, if the facility has a surface impoundment, miscellaneous units, or a landfill:

- Reasonably foreseeable potential releases from both normal operations and accidents at the unit, including releases associated with transportation to or from the unit.
- The potential pathways of human exposure to hazardous wastes or constituents resulting from the release described under Paragraph One (1).
- The potential magnitude and nature of the human exposure resulting from such releases.

#### P. Information Regarding Potential Releases from Solid Waste Management Units

Facility name: Universal Waste & Transit, Inc

EPA I.D. number: FLD 981-932-494

Location: City Tampa State Florida

- Are there any of the following solid waste management units (existing or closed) at your facility?

**Note - Do not include hazardous wastes units currently shown in your Part B application**

	Yes	No		Yes	No		Yes	No
Landfill	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Storage Tank (Above Ground)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Wastewater Treatment Units	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Surface Impoundment	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Storage Tank (Underground)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Transfer Stations	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Land Farm	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Container Storage Area	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Waste Recycling Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Waste Pile	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Injection Wells	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Land Treatment Facility	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Incinerator	<input type="checkbox"/>	<input checked="" type="checkbox"/>						

DER Form #	17-730.900(2)
Form Title	Ap. for a Hazardous Waste Facility Permit
Effective Date	
DER Application No.	(Filed in by DER)

2. If there are "Yes" answers to any of the items in Number 1 above, please provide a description of the wastes that were stored, treated or disposed of in each unit. In particular please focus on whether or not the wastes would be considered as hazardous wastes or hazardous constituents under RCRA. Also include any available data on quantities or volumes of wastes disposed of and the dates of disposal. Please also provide a description of each unit and include capacity, dimensions, and location at facility. Provide a site plan if available.

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Note: Hazardous waste are those identified in 40 CFR Part 261. Hazardous constituents are those listed in Appendix VIII of 40 CFR Part 261.

3. For the units noted in Number 1 above and also those hazardous waste units in your Part B application, please describe for each unit any data available on any prior or current releases of hazardous wastes or constituents to the environment that may have occurred in the past or still be occurring.

Please provide the following information:

- Date of release
- Type of waste released
- Quantity or volume of waste released
- Describe nature of release (i.e., spill, overflow, ruptured pipe or tank, etc.)

No prior or current releases of hazardous wastes or constituents to the environment have previously occurred or are now occurring

4. In regard to the prior releases described in Number 3 above, please provide (for each unit) any analytical data that may be available which would describe the nature and extent of environmental contamination that exists as a result of such releases. Please focus on concentrations of hazardous wastes or constituents present in contaminated soil or ground water.

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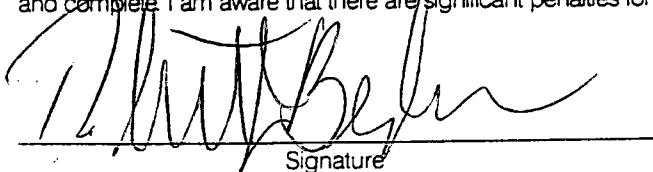
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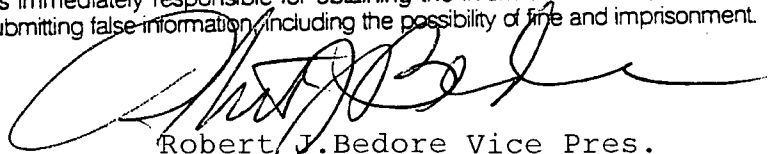
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#### Signature and Certification

As with reports in RCRA Permit Applications, submittal of this information must contain the following certification and signature by a principal executive officer of at least the level of Vice President or by a duly authorized representative of that person:

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

  
Signature

  
Robert J. Bedore Vice Pres.  
Name and Title (Typed)

DER Form	17-730.900(2)
Form Title	Ap. for a Hazardous Waste Facility Permit
Effective Date	
DER Application No.	(Filed in by DER)

## Application for a Hazardous Waste Facility Permit Certification

To be completed by all applicants

### 1. Operator

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. Further, I agree to comply with the provisions of Chapter 403, Florida Statutes, and all rules and regulations of the Department of Environmental Regulation. It is understood that the permit is only transferable in accordance with Section 17-730, FAC, and, if granted a permit, the Department of Environmental Regulation will be notified prior to the sale or legal transfer of the permitted facility.

Pamela K. Day  
Signature of the Operator or Authorized Representative

\*Attach a letter of authorization

Pamela K. Day Vice President/GM  
Name and Title (Please Type or Print)

Date: \_\_\_\_\_ Telephone No. (813) 623-5302

### 2. Facility Owner

This is to certify that I understand this application is submitted for the purpose of obtaining a permit to construct, operate, or close a hazardous waste management facility on the property as described. As owner of the facility, I understand fully that the facility operator and I are jointly responsible for compliance with the provisions of Chapter 403, Florida Statutes, and all rules and regulations of the Department of Environmental Regulation.

[Signature]  
Signature of the Facility Owner or Authorized Representative

\*Attach a letter of authorization

Robert J. Bedore Vice President  
Name and Title (Please Type or Print)

Date: \_\_\_\_\_ Telephone No. (\_\_\_\_) \_\_\_\_\_

### 3. Land Owner

This is to certify that I, as land owner, understand that this application is submitted for the purpose of obtaining a permit to construct, operate, or close a hazardous waste management facility on the property as described. For hazardous waste disposal facilities, I further understand that I am responsible for providing the notice in the deed to the property required by 40 CFR §264.119 and §265.119, as adopted by reference in Chapter 17-730, FAC.

[Signature]  
Signature of the Facility Owner or Authorized Representative

\*Attach a letter of authorization

Robert J. Bedore Vice President  
Name and Title (Please Type or Print)

Date: \_\_\_\_\_ Telephone No. (\_\_\_\_) \_\_\_\_\_

### 4. Professional Engineer Registered in Florida (Where Required by Chapter 471, F.S.)

This is to certify that the engineering features of this hazardous waste management facility have been designed/examined by me and found to conform to engineering principles applicable to such facilities. In my professional judgment, this facility, when properly constructed, maintained and operated, or closed, will comply with all applicable statutes of the State of Florida and rules of the Department of Environmental Regulation.

James Winter  
Signature  
Florida Registration No. 12313

James Winter  
Name (Please Type)

Mailing address: 14483 62<sup>nd</sup> St, North  
Street or P.O. Box

Clearwater, FL 34620  
City State Zip

(813) 539-0051 9/27/89  
Telephone No. Date

## 04/02/96

LAST UPDATE: 04/02/96

RELIEF: (SSAC/EXEMPTIONS/VARIANCE)

ALT#: \_\_\_\_\_

PHONE :

DATE	DESCRIPTION	STATUS	DATE	DESCRIPTION	STATUS	DATE	DESCRIPTION	STATUS
B	DATE APPLICANT INFORMED OF NEED FOR PUBLIC NOTICE	- - - -	/	/	-	-	/	/
C	DATE DER SENT DNR APPLICATION/SENT DNR INTENT	- - - -	/	/	-	-	/	/
D	DATE DER REQ. COMMENTS FROM GOV. BODY FOR LOCAL APP.	- - - -	/	/	-	-	/	/
E	DATE #1 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - - -	/	/	-	-	/	/
E	DATE #2 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - - -	/	/	-	-	/	/
E	DATE #3 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - - -	/	/	-	-	/	/
E	DATE #4 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - - -	/	/	-	-	/	/
E	DATE #5 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - - -	/	/	-	-	/	/
E	DATE #6 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - - -	/	/	-	-	/	/
F	DATE LAST 45 DAY LETTER WAS SENT	- - - -	/	/	-	-	/	/
G	DATE FIELD REPORT WAS REQ--REC	- - - -	/	/	-	-	/	/
H	DATE DNR REVIEW WAS COMPLETED	- - - -	/	/	-	-	/	/
I	DATE APPLICATION WAS COMPLETE	- - - -	/	/	-	-	/	/
J	DATE GOVERNING BODY PROVIDED COMMENTS OR OBJECTIONS	- - - -	/	/	-	-	/	/
K	DATE NOTICE OF INTENT WAS SENT--REC TO APPLICANT	- - - -	/	/	-	-	/	/
L	DATE PUBLIC NOTICE WAS SENT TO APPLICANT	- - - -	/	/	-	-	/	/
M	DATE PROOF OF PUBLICATION OF PUBLIC NOTICE RECEIVED	- - - -	/	/	-	-	/	/
N	DATE WAIVER DATE BEGIN--END (DAY 90)	- - - -	/	/	-	-	/	/

Permit modification to stone  
containers along the north and  
south walls of Bay 2.

AREA: SWD\_\_\_\_\_

Cash Receiving Application  
Collection Point Log Remittance

CRAF006A

Tot: \_\_\_\_\_\$250.00

SY\$REMT: 91049\_\_\_\_ Type: CP\_\_\_\_ Recvd Date: 01-APR-1996 Status: RECEIVED  
SY\$RCPT: 69478\_\_\_\_ PNR: \_\_\_\_\_ Check #: 1786\_\_\_\_ Amount: \_\_\_\_\_250.00  
SSN/FEI#: \_\_\_\_\_ Name: UNIVERSAL WASTE & TRANSIT, INC  
First: \_\_\_\_\_ Middle: \_\_\_\_\_ Title: \_\_\_\_\_ Suf: \_\_\_\_\_  
Address1: 9280\_BAY\_PLAZA,\_STE\_707\_\_\_\_ Short Comments:  
Address2: \_\_\_\_\_ L-BAY\_2,ORIENT\_RD\_FACILIT  
City: TAMPA\_\_\_\_ ST: FL Zip: 33619-\_\_\_\_ Country: \_\_\_\_\_

## &gt; P A Y M E N T (S) &lt;

	Distr	CL	Object	Payment	Reference#	Applic/	S
			Code/Description.....	Amount.....		Fund	T
							A
SY\$PAYT	Area..						
94188	SWD		002234 HAZAR/WASTE-OPE	\$250.00	HO29286928	PFTF	CO

COMMIT FREQUENTLY

\$250.00 Payment total

Press &lt;TAB&gt; to accept Collection Point or enter F&amp;A.

Count: \*1

&lt;Replace&gt;

UNIVERSAL WASTE & TRANSIT, INC.

IMPRESS FUND

PH. 813-623-5302

9280 BAY PLAZA BLVD., SUITE 707

TAMPA, FL 33619

1786

March 27

96

63-27/631  
28

19

PAY  
TO THE  
ORDER OF

Florida Department Of Environmental Protection

\$ \$250.00

Two Hundred Fifty Dollars and 00/100\*\*\*\*\*

DOLLARS

**NationsBank**

NationsBank of Florida, N.A.  
Tampa, Florida 28

Flam Bay Permit Modification

FOR

*Dina Parker*

⑈001786⑈ ⑆063100277⑆ 3601296810⑈

CLARKE AMERICAN

## APPLICATION TRACKING SYSTEM

10/12/89

APPL NO:171163

APPL RECVD:10/10/89 TYPE CODE:HO SUBCODE:01

LAST UPDATE:10/11/89

DER OFFICE RECVD:TPA DER OFFICE TRANSFER TO:\_\_\_ APPLICATION COMPLETE:00/00/00

DER PROCESSOR:POLK

APPL STATUS:AC DATE:10/10/89 (ACTIVE/DENIED/WITHDRAWN/EXEMPT/ISSUED/GENERAL)

RELIEF:\_\_\_ (SSAC/EXEMPTIONS/VARIANCE)

(Y/N) N MANUAL TRACKING

DISTRICT:40 COUNTY:29

(Y/N) DNR REVIEW REQD?

LAT/LONG:\_\_\_/\_\_\_/\_\_\_

(Y/N) N PUBLIC NOTICE REQD?

BASIN-SEGMENT:\_\_\_

(Y/N) N GOV BODY LOCAL APPROVAL REQD?

COE #:\_\_\_\_\_

(Y/N) Y LETTER OF INTENT REQD? \_ (I/ISSUE D/DENY)

ALT#:\_\_\_\_\_

PROJECT SOURCE NAME:UNIVERSAL WASTE &amp; TRANSIT, INC.

STREET:2002 N. ORIENT ROAD

CITY:TAMPA

STATE:FL

ZIP:\_\_\_\_\_

PHONE:\_\_\_\_\_

APPLICATION NAME:UNIVERSAL WASTE &amp; TRANSIT, INC.

STREET:2501 N. ORIENT ROAD, STE. A

CITY:TAMPA

STATE:FL

ZIP:33619

PHONE:813-623-5302

AGENT NAME:WINTER, JAMES

STREET:14483-62ND ST. NORTH

CITY:CLEARWATER

STATE:FL

ZIP:34620

PHONE:813-539-0051

FEE #1 DATE PAID:10/10/89

AMOUNT PAID:02000

RECEIPT NUMBER:00144727

B	DATE APPLICANT INFORMED OF NEED FOR PUBLIC NOTICE	- - - - -	___/___/___
C	DATE DER SENT DNR APPLICATION/SENT DNR INTENT	- - - - -	___/___/___
D	DATE DER REQ. COMMENTS FROM GOV. BODY FOR LOCAL APP.	- - - - -	___/___/___
E	DATE #1 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - - - -	___/___/___
E	DATE #2 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - - - -	___/___/___
E	DATE #3 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - - - -	___/___/___
E	DATE #4 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - - - -	___/___/___
E	DATE #5 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - - - -	___/___/___
E	DATE #6 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - - - -	___/___/___
F	DATE GOVERNING BODY REQUESTED SURVEY RESULTS/REPORTS	- - - - -	___/___/___
G	DATE FIELD REPORT WAS REQ--REC	- - - - -	___/___/___
H	DATE DNR REVIEW WAS COMPLETED	- - - - -	___/___/___
I	DATE APPLICATION WAS COMPLETE	- - - - -	00/00/00
J	DATE GOVERNING BODY PROVIDED COMMENTS OR OBJECTIONS	- - - - -	___/___/___
K	DATE NOTICE OF INTENT WAS SENT--REC TO APPLICANT	- - - - -	___/___/___
L	DATE PUBLIC NOTICE WAS SENT TO APPLICANT	- - - - -	___/___/___
M	DATE PROOF OF PUBLICATION OF PUBLIC NOTICE RECEIVED	- - - - -	___/___/___
N	DATE WAIVER DATE BEGIN--END (DAY 90)	- - - - -	___/___/___

COMMENTS:



STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

Nº 144727

RECEIPT FOR APPLICATION FEES AND MISCELLANEOUS REVENUE

Received from Universal Transit Property Co Date 10/10/89

Address 2501 N. DAUGHT RD., Suite A-5/Tampa, 33614 Dollars \$ 2,000<sup>00</sup>

Applicant Name & Address Same address/ Universal Waste & Transit, Inc.

Source of Revenue Universal ~~Transit~~ Waste & Transit, Inc.

Revenue Code 001044 Application Number H029-171163

ck # 6000145

By Suey W. Hildaugh