UNIVERSAL WASTE AND TRANSIT INC.

CONSTRUCTION PERMIT APPLICATION

LOCATED AT

7208 - 9th Avenue
Tampa, Florida

VOLUME 5

Attachments

ATTACHMENTS

Attachment	Item
1	Generator SIC Code
2	DER Application Form
3	UW&T Corporate Charter
4	Topographic Map (1" to 2000")
5	Topographic Map (1" to 20')
6	Aerial Photograph
7	Wind Rose
8	Flood Plain Map
9	Zoning Letter
10	Land Use Approval Letter
11	Zoning Code
12	Land Use Map
13	Anticipated Wastes For Storage/Treatment
14	Anticipated Annual Waste Quantities
15	Closure Plan Vol 1
16	Insurance Application
17	Contingency Plan
18	Facility Exterior Design
19	Compatability Chart
20	Training Program

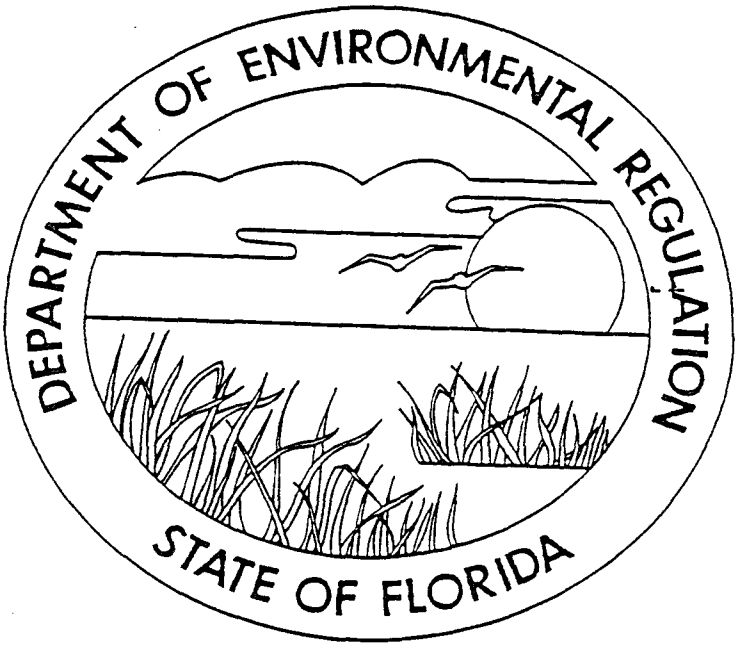
ATTACHMENT 1

LIST OF POTENTIAL HAZARDOUS WASTE GENERATORS IN TAMPA BAY REGION

0742	Veterinary Services
1611	Paving Contractors (asphalt)
2086	Bottled and Canned Soft Drinks
2431	Millwork
2491	Wood Preserving
2711	Newspapers: Publishing and Printing
2721	Periodicals
2731	Book Publishing
2741	Misc. Publishing
2751	Commercial Printing, letter press
2752	Commercial Printing, litographic
2753	Engraving and Plate Printing
2761	Manifold Business Forms
2793	Photoengraving
2813	Industrial Gases
2819	Industrial Inorganic Chemicals, NEC
2834	Pharmaceutical Preparations
2851	Paints and Allied Products
2869	Industrial Organic Chemicals, NEC
2879	Pesticides and Agriculture
2891	Adhesives and Sealants
2893	Printing Ink
2899	Chemical Preparations
2952	Asphalt Felts and Coatings
3011	Tires
3079	Misc. Plastic Products
3253	Ceramic Wall and Floor Tile
3271	Concrete Block and Brick
3272	Concrete Products
3273	Ready-Mixed Concrete
3292	Asbestos Products
3399	Nonferrous Metals
3429	Hardware Products
3433	Heating Equipment (non-electrical)
3441	Fabricated Structural Metal
3444	Sheet Metal Work
3446	Architectural Metal Work
3469	Metal Stampings
3471	Electroplating and Polishing
3479	Metal Coatings
3498	Fabricated Pipe and Fittings
3542	Machine Tools
3559	Special Industry Machinery
3564	Miscellaneous Fans and Circulators
3569	General Industrial Machinery
3589	Service Industry Machinery
3599	Machinery, Except Electrical

3612	Transformers
3613	Switchgear/Switchboard Apparatus
3621	Motors and Generators
3661	Telephone Apparatus
3662	Radio, Television Equipment
3670	Electronic Components
3691	Storage Batteries
3692	Primary Batteries
3713	Truck and Bus Bodies
3732	Boat Building and Repair
3842	Surgical Appliances and Supplies
3851	Ophthalmic Goods
3861	Photographic Equipment and Supplies
3914	Silverware and Plated Ware
3949	Sporting and Athletic Goods
3953	Marking Devices
3993	Signs and Advertising Displays
4171	Bus Terminal Facilities
4212	Trucking
4511	Air Transportation
4582	Airport Operations
4911	Electrical Services
4924	Natural Gas Distribution
4953	Refuse Systems
5051	Metals Service Center
5093	Scrap and Waste Materials
5161	Chemicals (wholesale)
5171	Bulk Petroleum Stations
5231	Paint, Glass and Wallpaper Stores
5261	Retail Nurseries and Garden Stores
5946	Camera Supply Stores
7213	Linen Supply
7215	Coin-Operated Laundries
7216	Dry Cleaning Operations
7217	Carpet Cleaning
7261	Funeral Services
7331	Direct Mail Advt. Services
7332	Blueprinting and Photocopying
7333	Commercial Photography
7339	Stenograph and Reproduction
7342	Exterminating Service
7349	Building Maintenance Service
7374	Data Processing Service
7395	Photofinishing Laboratories
7397	Commercial Testing Laboratores
7699	Repair Services (septic tanks)
8049	Offices of Health Practitioners
8051	Nursing Homes
8059	Nursing and Personal Care
8062	Medical and Surgical Hospitals
8069	Specialty Hospitals, except Psych.
8071	Medical Laboratories
8091	Health Services
8221	Universities

ATTACHMENT 2



APPLICATION FOR

A HAZARDOUS WASTE FACILITY PERMIT

AND INSTRUCTIONS

DER FORM 17-30.401(2) EFFECTIVE October 1, 1987

ATTACHMENT 2

APPLICATION FOR A HAZARDOUS WASTE FACILITY PERMIT
PART I - GENERAL
TO BE COMPLETED BY ALL APPLICANTS

Please Type or Print

A. GENERAL INFORMATION

1. TYPE OF FACILITY:

DISPOSAL [ ]
LANDFILL [ ] LAND TREATMENT [ ] SURFACE IMPOUNDMENT [ ]
STORAGE [ ]
CONTAINERS [XX] TANKS [ ] PILES [ ] SURFACE IMPOUNDMENT [ ]
TREATMENT [ ]
TANKS [ ] PILES [ ] INCINERATION [ ] SURFACE IMPOUNDMENT [ ]
THERMAL [ ] CHEMICAL [ ] PHYSICAL [XX] BIOLOGICAL [ ]

2. TYPE OF APPLICATION: [ ] TOP [XX] CONSTRUCTION [ ] OPERATION [ ] CLOSURE [ ] RD&D

3. DATE CURRENT OPERATION BEGAN (OR IS EXPECTED TO BEGIN): January, 1988

4. FACILITY NAME: Universal Waste & Transit, Inc.

5. EPA/DER I.D. NO.: Applied For

6. FACILITY LOCATION OR STREET ADDRESS: 7208 - 9th Avenue Tampa, Florida 3361

7. FACILITY MAILING ADDRESS: 7217 Gulf Blvd. Ste 7 St. Petersburg FL 33706
STREET OR P.O. BOX CITY STATE ZIP

8. CONTACT PERSON: Mr. Robert Bedore TELEPHONE:) 360-9100
TITLE: President
MAILING ADDRESS: 7217 Gulf Blvd, Ste 7, St. Petersburg, FL 33706
STREET OR P.O. BOX CITY STATE ZIP

9. OPERATOR'S NAME: Mr. Robert Bedore TELEPHONE: ( )360-9100

10. OPERATOR'S ADDRESS: 7217 Gulf Blvd., Ste 7, St. Petersburg, FL 33706
STREET OR P.O. BOX CITY STATE ZIP

11. FACILITY OWNER'S NAME: Mr. Robert Bedore

12. FACILITY OWNER'S ADDRESS: 7217 Gulf Blvd., Ste 7, St. Petersburg, FL, 33706
STREET OR P.O. BOX CITY STATE ZIP

13. LEGAL STRUCTURE: [XX] CORPORATION [ ] NON-PROFIT CORPORATION [ ] PARTNERSHIP
[ ] INDIVIDUAL [ ] LOCAL GOVERNMENT [ ] STATE GOVERNMENT [ ] FEDERAL GOVERNMENT
OTHER

14. IF AN INDIVIDUAL, PARTNERSHIP, OR BUSINESS IS PERFORMED UNDER AN ASSUMED NAME, SPECIFY COUNTY AND STATE WHERE NAME IS REGISTERED. COUNTY: _____ STATE ___

15. IF A CORPORATION, INDICATE STATE OF INCORPORATION Delaware.

16. IF AN INDIVIDUAL OR PARTNERSHIP, LIST OWNERS:

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

NAME: _____

ADDRESS: _____
STREET OR P.O. BOX | CITY | STATE | ZIP

17. SITE OWNERSHIP STATUS: [ ] OWNED [XX] TO BE PURCHASED [ ] TO BE LEASED _____ YEARS
[XX] PRESENTLY LEASED: EXPIRATION DATE March, 1988 IF LEASED, GIVE:

LAND OWNER'S NAME Mamie V. Kerik

LAND OWNER'S ADDRESS Atlanta, GA
STREET OR P.O. BOX | CITY | STATE | ZIP

18. ENGINEER: James Winters REGISTRATION NO.: _____

ADDRESS: 4481 - 122nd Ave. N., Clearwater FL 33715
STREET OR P.O. BOX | CITY | STATE | ZIP

ASSOCIATED WITH: Seminole Engineering, Inc.

19. FACILITY LOCATED ON INDIAN LAND: [ ] YES [XX] NO

20. EXISTING OR PENDING ENVIRONMENTAL PERMITS: (ATTACH A SEPARATE SHEET IF NECESSARY)

Hazardous Waste Transporter Applied For

NAME OF PERMIT	AGENCY	PERMIT NUMBER	DATE ISSUED	EXPIRATION DATE

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 acres 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 SHOW ALL THE FEATURES INDICATED IN THE INSTRUCTION SHEET FOR THIS PART.

5. IS THE SITE LOCATED IN A 100-YEAR FLOOD PLAIN? [ ] YES [XX] NO

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 Vacant Land

D. OPERATING INFORMATION

1. IS WASTE GENERATED ON SITE? [X] 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
Included as Attachment 14			

APPLICATION FOR A HAZARDOUS WASTE FACILITY PERMIT
PART II

A. - GENERAL

1. 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
2) 100-YEAR FLOODPLAIN AREA
3) ORIENTATION OF THE MAP
4) ACCESS CONTROL (FENCES, GATES)
5) INJECTION AND WITHDRAWAL WELLS BOTH ON-SITE AND OFF-SITE
6) BUILDING AND OTHER STRUCTURES (RECREATIONAL AREAS, ACCESS AND INTERNAL ROADS, STORM, SANITARY, AND PROCESS SEWERAGE SYSTEMS, FIRE CONTROL FACILITIES, ETC.)
7) CONTOURS SUFFICIENT TO SHOW SURFACE WATER FLOW
8) LOADING AND UNLOADING AREAS
9) DRAINAGE OR FLOOD CONTROL BARRIERS
10) HAZARDOUS WASTE UNITS INCLUDING CLEAN UP AREAS
11) RUNOFF CONTROL SYSTEM

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.

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 17-30.401(4) (a,b,c,d,e,f,g,h,i or n) ONLY. RETYPED DOCUMENTS ARE NOT ACCEPTABLE. SEND THE ORIGINALLY SIGNED DOCUMENTS TO: HAZARDOUS WASTE FINANCIAL RESPONSIBILITY COORDINATOR, DEPARTMENT OF ENVIRONMENTAL REGULATION, DIVISION OF ENVIRONMENTAL PERMITTING, 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 17-30.401(4) (a,b,c,d,e,f,g,h,i or n) ONLY. RETYPED DOCUMENTS ARE NOT ACCEPTABLE. SEND THE ORIGINALLY SIGNED DOCUMENTS TO THE ADDRESS IN 1. ABOVE.

c) ATTACH A COPY OF THE DOCUMENTS USED TO DEMONSTRATE LIABILITY COVERAGE (§264.147). USE DER FORM NUMBERS 17-30.401(4) (i,j,k,l,m OR n) ONLY. RETYPED DOCUMENTS ARE ARE NOT ACCEPTABLE. SEND THE ORIGINALLY SIGNED DOCUMENTS TO THE ADDRESS IN 1. ABOVE. IF FORMS 17-30.401(4) (j,k,l OR m) ARE USED, ALSO SEND A SIGNED DUPLICATE ORIGINAL OF THE INSURANCE POLICY WITH THE ORIGINALLY SIGNED DOCUMENTS TO THE ADDRESS IN 1. 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 OBTAINS 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, CONSTRUCTION, 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 OF 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 DEMONSTRATION THAT THOSE FACILITIES WILL BE ELIGIBLE TO RECEIVE HAZARDOUS WASTE IN ACCORDANCE WITH THE REGULATIONS UNDER 40 CFR PARTS 264 AND 265;

(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

a) ATTACH A DESCRIPTION OF THE SECURITY PROCEDURES AND EQUIPMENT REQUIRED BY §264.14 [270.14(b)(4)].

b) ATTACH A COPY OF THE CONTINGENCY PLAN REQUIRED BY 40 CFR PART 264, SUBPART D. [270.14(b)(7)].

c) ATTACH A DESCRIPTION OF PROCEDURES, STRUCTURES, OR EQUIPMENT USED AT THE FACILITY TO:

(1) MITIGATE EFFECTS OF EQUIPMENT FAILURE AND POWER OUTAGES;

(2) PREVENT HAZARDS IN UNLOADING OPERATIONS (i.e., RAMPS, SPECIAL FORKLIFTS);

(3) PREVENT UNDUE EXPOSURE OF PERSONNEL TO HAZARDOUS WASTE (i.e., PROTECTIVE CLOTHING);

(4) PREVENT CONTAMINATION OF WATER SUPPLIES;

(5) 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);

(6) PREVENT ACCIDENTAL IGNITION OR REACTION OF IGNITABLE, REACTIVE, OR INCOMPATIBLE WASTES.

d) ATTACH A DESCRIPTION OF THE PREPAREDNESS AND PREVENTION PROCEDURES REQUIRE 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)].

e) ATTACH AN OUTLINE OF BOTH THE INTRODUCTORY AND CONTINUING TRAINING PROGRAM 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(3)]. SUCH INFORMATION SHOULD INCLUDE THE FOLLOWING:

   a) PARAMETERS FOR WHICH EACH HAZARDOUS WASTE WILL BE ANALYZED AND THE RATIONALE FOR THE SELECTION OF THESE PARAMETERS;

   b) TEST METHODS USED;

   c) SAMPLING METHODS USED;

   d) FREQUENCY OF ANALYSIS TO ENSURE ACCURACY;

   e) WASTE ANALYSES THAT GENERATORS SUPPLY;

   f) METHODS USED TO MEET ADDITIONAL WASTE ANALYSIS REQUIREMENTS; AND, IF APPLICABLE,

   g) 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:

      1) TEST PROCEDURES AND RESULTS OR OTHER DOCUMENTATION OR INFORMATION TO SHOW THAT THE WASTES DO NOT CONTAIN FREE LIQUIDS; AND
      2) 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:

      1) BASIC DESIGN PARAMETERS, DIMENSIONS, AND MATERIALS OF CONSTRUCTION.
      2) HOW THE DESIGN PROMOTES DRAINAGE OR HOW CONTAINERS ARE KEPT FROM CONTACT WITH STANDING LIQUIDS IN THE CONTAINMENT SYSTEM.
      3) CAPACITY OF THE CONTAINMENT SYSTEM RELATIVE TO THE NUMBER AND VOLUME OF CONTAINERS TO BE STORED.
      4) PROVISIONS FOR PREVENTING OR MANAGING RUN-ON.
      5) 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).

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) AN §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); AND

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 §264.195.

12. ATTACH A COPY OF THE CLOSURE AND POST-CLOSURE PLAN AS REQUIRED BY §§264.112 AND 264.197.

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).

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. 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, 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.

*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 COMPATIBLE 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. 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, 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;
    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.

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);

    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. TH 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 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 CRITERIA FOR SUCH SELECTION IN §265.278(a).

    d) A LIST OF HAZARDOUS CONSTITUENTS REASONABLY EXPECTED TO BE IN, OR DERI 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 OF 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;

    f) CONTROL OF WIND DISPERSAL OF PARTICULATE MATTER, IF APPLICABLE.

4. IF FOOD-CHAINS 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;

    d) CHARACTERISTICS OF THE COMPARISON CROP INCLUDING THE LOCATION AND CONDITIONS UNDER WHICH IT WAS OR WILL BE GROWN.

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, 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, AND EXPLANATION OF HOW §§265.282 AND 264.17 WILL BE COMPLIED WITH.

9. 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, 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;
   d) THE EFFECTIVENESS OF ADDITIONAL TREATMENT, DESIGN, OR MONITORING TECHNIQUES.

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;

    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 264.170 WILL BE COMPLIED WITH.

7. IF INCOMPATIBLE WASTES, OR INCOMPATIBLE WASTES AND MATERIALS WILL BE LANDFILLED, ATTACH AN EXPLANATION OF HOW §§264.313 AND 264.170 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 17-30.180(3) WILL BE COMPLIED WITH.

9. 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.

11. 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, 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;

    d) THE EFFECTIVENESS OF ADDITIONAL TREATMENT, DESIGN, OR MONITORING TECHNIQUES.

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.

(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.

(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_2) 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. THIS 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;

(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); 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(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 §264.340, 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.

I. - THERMAL TREATMENT

THE APPLICANT MUST PROVIDE THE FOLLOWING INFORMATION IN ACCORDANCE WITH 40 CFR 265 SUBPART P.

1. ATTACH A DESCRIPTION OF THE DESIGN AND OPERATION PROCEDURES WHICH DEMONSTRATE COMPLIANCE WITH §265.373 (GENERAL OPERATING REQUIREMENTS).

2. ATTACH A COPY OF THE PROCEDURES WHICH DEMONSTRATE COMPLIANCE WITH §265.377 (MONITORING AND INSPECTIONS) AND §265.15 (GENERAL INSPECTION REQUIREMENTS).

3. ATTACH A WASTE ANALYSIS PLAN WHICH INCLUDES THE ANALYSIS OF ANY WASTE WHICH HAS NOT PREVIOUSLY BEEN TREATED IN THE THERMAL PROCESS IN ORDER TO ESTABLISH STEADY STATE (NORMAL) OR OTHER APPROPRIATE (FOR A NON-CONTINUOUS PROCESS) OPERATING CONDITIONS (INCLUDING WASTE AUXILIARY FUEL FEED) AND TO DETERMINE THE TYPE OF POLLUTANTS WHICH MIGHT BE EMITTED. AT A MINIMUM, THE ANALYSIS MUST DETERMINE:

   a) HEATING VALUE OF THE WASTE;

   b) HALOGEN CONTENT AND SULFUR CONTENT IN THE WASTE; AND

   c) CONCENTRATIONS IN THE WASTE OF LEAD AND MERCURY, UNLESS THE OWNER OR OPERATOR HAS WRITTEN, DOCUMENTED DATA THAT SHOW THAT THE ELEMENTS ARE NOT PRESENT.

4. ATTACH A DESCRIPTION OF THE DESIGN AND OPERATION PROCEDURES WHICH DEMONSTRATE COMPLIANCE WITH §§265.382 (OPEN BURNING; WASTE EXPLOSIVES), AND 265.17.

5. ATTACH A COPY OF THE CLOSURE PLAN AS REQUIRED BY §§265.112 AND 265.381.

J. - CHEMICAL, PHYSICAL AND BIOLOGICAL TREATMENT

THE APPLICANT MUST PROVIDE THE FOLLOWING INFORMATION IN ACCORDANCE WITH 40 CFR 265 SUBPART Q.

1. ATTACH A DESCRIPTION OF THE DESIGN AND OPERATION PROCEDURES WHICH DEMONSTRATE COMPLIANCE WITH §265.401 (GENERAL OPERATING REQUIREMENTS).

2. ATTACH A COPY OF THE INSPECTION PROCEDURES REQUIRED IN §§265.403 AND 265.15.

3. FOR FACILITIES WHICH TREAT A WASTE WHICH IS SUBSTANTIALLY DIFFERENT FROM WASTES PREVIOUSLY TREATED, OR USE A SUBSTANTIALLY DIFFERENT PROCESS FROM THAT PREVIOUSLY USED, ATTACH WASTE ANALYSES AND TRIAL TREATMENT TESTS, OR ATTACH DOCUMENTED INFORMATION ON SIMILAR TREATMENT.

4. ATTACH A DESCRIPTION OF THE OPERATION PROCEDURES WHICH DEMONSTRATE COMPLIANCE WITH §265.405 (SPECIAL REQUIREMENTS FOR IGNITABLE OR REACTIVE WASTES), §265.406 (SPECIAL REQUIREMENTS FOR INCOMPATIBLE WASTES), AND §265.17.

5. ATTACH A COPY OF THE CLOSURE PLAN AS REQUIRED BY §§265.112 AND 265.404.

K. - CLOSURE

A FACILITY WHICH HAS OPERATED A HAZARDOUS WASTE MANAGEMENT UNIT, EITHER BY HAVING QUALIFIED FOR OR RECEIVED A TEMPORARY OPERATING PERMIT, THAT INTENDS TO CLOSE THE UNIT, MAY DEMONSTRATE CLEAN CLOSURE IN ACCORDANCE WITH 40 CFR 264 OR 265 STANDARDS. HOWEVER, IF THE FACILITY CAN NOT DEMONSTRATE CLEAN CLOSURE OF THE REGULATED UNIT(S), THEN THESE UNIT(S) SHALL BE CLOSED TO MEET THE REQUIREMENTS OF 40 CFR 264.

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 GROUNDWATER, 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, GROUNDWATER MONITORING, LEACHATE COLLECTION, AND RUN-ON AND RUN-OFF CONTROL;

   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 INTERVIEWING 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):

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, 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 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, 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 HAVE BEEN PROPOSED, 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, AND LANDFILLS EXCEPT AS OTHERWISE PROVIDED IN §264.90(b) OR SECTION 17-30.180(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 IDENTIFICAION (i.e., THE INFORMATION OBTAINED FROM HYDROGEOLOGIC INVESTIGATIONS OF THE FACILITY AREA INCLUDING GROUNDWATER 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 ON THE TOPOGRAPHIC MAP REQUIRED UNDER PART II-A-1;

    b) IDENTIFIES THE CONCENTRATION OF EACH APPENDIX VIII OF PART 261 CONSTITUENT OR DEPARTMENT APPROVED EQUIVALENT THROUGHOUT THE PLUME OR IDENTIFIES THE MAXIMUM CONCENTRATIONS OF EACH APPENDIX VIII CONSTITUENT OR DEPARTMENT APPROVED EQUIVALENT 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;

    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 17-30.180(4) EXCEPT AS PROVIDED IN §264.98(h)(5). TO DEMONSTRATE COMPLIANCE WITH §264.99, THE OWNER OR OPERATOR MUST ADDRESS THE FOLLOWING ITEMS:

   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;

   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 §§265.90-265.94 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 17-30.180(4). HOWEVER, AN OWNER OR OPERATOR IS NOT REQUIRED TO SUBMIT INFORMATION TO ESTABLISH A CORRECTIVE ACTION PROGRAM IF HE 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 17-30.180(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.

e) A DESCRIPTION OF THE WASTES PREVIOUSLY HANDLED AT THE FACILITY.

9. CHAPTERS 17-3 and 17-4, FAC, REQUIREMENTS

IN ACCORDANCE WITH SECTION 17-30.180(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).

N. - RESEARCH, DEVELOPMENT AND DEMONSTRATION

1. 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 17-30.330(2), DETERMINE IF ANY OF THE REQUIREMENTS OF THE APPLICATION CAN BE WAIVED. THIS LETTER SHOULD CONTAIN:

   a) THE PURPOSE OF THE RESEARCH;

   b) AN EXPLANATION OF WHY THE RESEARCH IS INNOVATIVE AND EXPERIMENTAL;

   c) A SUMMARY OF THE RESEARCH OBJECTIVES.

2. AS PART OF THE FORMAL APPLICATION, THE APPLICANT SHOULD SUBMIT THE FOLLOWING INFORMATION:

   a) THE PURPOSE OF THIS PROJECT.

   b) AN EXPLANATION AS TO WHY THE PROPOSED ACTIVITY IS EXPERIMENTAL AND INNOVATIVE

   c) A GENERAL DESCRIPTION OF THE PROPOSED ACTIVITY.

   d) THE ESTIMATED TIME OF OPERATION FOR THE EXPERIMENTAL ACTIVITIES.

   e) ANY INFORMATION ON THE EXPECTED PERFORMANCE OF THE UNIT.

   f) A DESCRIPTION OF PERFORMANCE DATA THAT MAY HAVE BEEN PREVIOUSLY GENERATED FRO THE OPERATION OF THE UNIT.

3. 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.

4. REPORTING AND RECORD KEEPING SHOULD BE PROPOSED IN A MANNER WHICH WILL SUFFICIENTL 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.

5. 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.

6. 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 OR A LANDFILL:

1. REASONABLY FORESEEABLE POTENTIAL RELEASES FROM BOTH NORMAL OPERATIONS AND ACCIDENTS AT THE UNIT, INCLUDING RELEASES ASSOCIATED WITH TRANSPORTATION TO OR FROM THE UNIT.

2. THE POTENTIAL PATHWAYS OF HUMAN EXPOSURE TO HAZARDOUS WASTES OR CONSTITUENTS RESULTING FROM THE RELEASE DESCRIBED UNDER PARAGRAPH (1).

3. 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: Applied For

LOCATION: City Tampa

State Florida

1. 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
° Landfill		X
° Surface Impoundment		X
° Land Farm		X
° Waste Pile		X
° Incinerator		X
° Storage Tank (Above Ground)		X
° Storage Tank (Underground)		X
° Container Storage Area		X
° Injection Wells		X
° WasteWater Treatment Units		X
° Transfer Stations		X
° Waste Recycling Operations		X
° Land Treatment Facility		X

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, location at facility, provide a site plan if available.

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:

   a. Date of release
   b. Type of waste released
   c. Quantity or volume of waste released
   d. 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 groundwater.

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
President

Name and Title (Typed)

ATTACHMENT 2

CERTIFICATION

1. OPERATOR

THIS IS TO CERTIFY THAT UNDER PENALTY OF LAW 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, I BELIEVE 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. 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 17-30.30, 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.

SIGNATURE OF THE OPERATOR OR AUTHORIZED REPRESENTATIVE*

ROBERT J BEDORE PRESIDENT

NAME AND TITLE (PLEASE TYPE OR PRINT)

DATE: 10-7-87 TELEPHONE NO. (813) 864-4076

*ATTACH A LETTER OF AUTHORIZATION

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 OF THE FACILITY OWNER OR AUTHORIZED REPRESENTATIVE*

ROBERT J BEDORE PRESIDENT

NAME AND TITLE (PLEASE TYPE OR PRINT)

DATE: 10-7-87 TELEPHONE NO. (813) 864-4076

*ATTACH A LETTER OF AUTHORIZATION

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 §264.120 AND §265.120, AS ADOPTED BY REFERENCE IN CHAPTER 17-30, FAC.

X Mamie V. Kerik [redacted]

Mamie V. Kerik - owner

NAME AND TITLE (PLEASE TYPE OR PRINT)

DATE: 9/29/87 TELEPHONE NO. (407) 448-9128

*ATTACH A LETTER OF AUTHORIZATION

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.

SIGNATURE _____ MAILING ADDRESS _____

NAME _____ _____
(PLEASE TYPE) STREET OR P.O. BOX

_____
CITY STATE ZIP

( ) _____
TELEPHONE NO. DATE

FLORIDA REGISTRATION NUMBER: _____

(Please Affix Seal)

You have my permission to apply for the permits you require to operate your facility on my property at Lots 8, 9, 10, 11, 12, 13, & 14 - Arrow Park Subdivision. M. V. Kerik

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 17-30, FAC.

_____
SIGNATURE OF THE FACILITY OWNER OR AUTHORIZED REPRESENTATIVE*

_____
NAME AND TITLE (PLEASE TYPE OR PRINT)

DATE: _____ TELEPHONE NO. ( ) _____

*ATTACH A LETTER OF AUTHORIZATION

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.

SIGNATURE James Winter MAILING ADDRESS Seminole Engineering, Inc.
14483 62nd St. N

NAME James M. Winter
(PLEASE TYPE)

STREET OR P.O. BOX

Clearwater FL 34620
CITY STATE ZIP

(813) 539-0051 11/10/87
TELEPHONE NO. DATE

FLORIDA REGISTRATION NUMBER: 18313

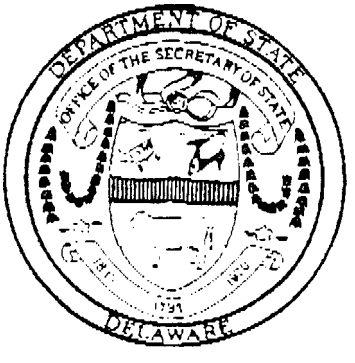
(Please Affix Seal)

ATTACHMENT 3

State of Delaware

Office of Secretary of State

I, MICHAEL HARKINS, SECRETARY OF STATE OF THE STATE OF DELAWARE DO HEREBY CERTIFY UNIVERSAL WASTE & TRANSIT, INC. IS DULY INCORPORATED UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD STANDING AND HAS A LEGAL CORPORATE EXISTENCE SO FAR AS THE RECORDS OF THIS OFFICE SHOW, AS OF THE DATE SHOWN BELOW.



Michael Harkins, Secretary of State

727281090

AUTHENTICATION: 1428525

DATE: 10/08/1987

State of Florida

Department of State

I certify the attached is a true and correct copy of Articles of Merger, filed on October 15, 1987, effective October 25, 1987, merging UNIVERSAL WASTE AND TRANSIT, INC., a Florida corporation into UNIVERSAL WASTE & TRANSIT, INC., the surviving Delaware corporation, which is authorized to transact business in Florida, as shown by the records of this office.

The document number for the surviving corporation is P16396.

Given under my hand and the
Great Seal of the State of Florida,
at Tallahassee, the Capital, this the
15th day of October, 1987

Jim Smith
Secretary of State

CR2E022 (10-85)

EFFECTIVE DATE
10/25/87

FILED
1987 OCT 15 AM 9:57

ARTICLES OF MERGER

The undersigned Corporations, pursuant to Section 607.234 of the Florida General Corporation Act hererby execute the following Articles of Merger:

FIRST: The names of the corporations proposing to merge and the names of the states under the laws of which such corporations are organized are as follows:

NAME OF CORPORATION	STATE OF INCORPORATION
Universal Waste and Transit, Inc.	Florida
Universal Waste & Transit, Inc.	Delaware

SECOND: The laws of the state under which such foreign corporation is organized permit such merger.

THIRD: The name of the surviving corporation is Universal Waste & Transit, Inc. And it shall be governed by the laws of the State of Delaware.

FOURTH: The plan of merger is as follows:

See Exhibit A attached

FIFTH: The Agreement and Plan of Merger was adopted by the Board of Directors and the Shareholders of Universal Waste and Transit, Inc. the undersigned Florida Corporation, on the 12th day of October, 1987 , and was adopted by the Board of Directors of Universal Waste & Transit, Inc., the undersigned foreign corporation, on the 12th day of October, 1987.

SIXTH: All provisions of the law of the State of Florida and the State of Delaware applicable to the merger have been complied with.

SEVENTH: The Effective Date of the Certificate of Ownership and Merger shall be the 25th day of October, 1987.

EIGHTH: It is agreed that the surviving corporation will promptly pay to the dissenting shareholders of any such domestic corporation the amount, if any, to which they shall be entitled under the provisions of the Florida General Corporation Act with respect to the rights of dissenting shareholders.

Signed this 13th day of October, 1987.

(Surviving Corporation) UNIVERSAL WASTE & TRANSIT, Inc.

By: _____
Robert J. Bedore, President

Attest: _____
Robert J. Bedore, Asst. Secretary
(CORPORATE SEAL)

(Merged Corporation) UNIVERSAL WASTE AND TRANSIT, INC.

By: _____
Robert J. Bedore, President

Attest: _____
Robert J. Bedore, Asst.Secretary
(CORPORATE SEAL)

State of Florida

County of Pinellas

The foregoing instrument was acknowledged before me this 13th day of October, 1987 , by Robert J. Bedore, President of Universal Waste and Transit, Inc., on behalf of the corporation.

My commission expires

NOTARY PUBLIC STATE OF FLORIDA
MY COMMISSION EXP. MAY 21,1991
BONDED THRU GENERAL INS. UND.

NOTARY PUBLIC

(SEAL)

State of Florida

County of Pinellas

The foregoing instrument was acknowledged before me this 13th day of October, 1987, by Robert J. Bedore, President of Universal Waste & Transit, Inc. on behalf of the corporation.

My commission expires

NOTARY PUBLIC STATE OF FLORIDA
MY COMMISSION EXP. MAY 21,1991
BONDED THRU GENERAL INS. UND.

NOTARY PUBLIC

(SEAL)

EXHIBIT A

AGREEMENT AND PLAN OF MERGER

AGREEMENT AND PLAN OF MERGER made this 13th day of October, 1987, by and between UNIVERSAL WASTE AND TRANSIT, INC., a Florida corporation ("Universal-Florida") and UNIVERSAL WASTE & TRANSIT, INC., a Delaware corporation ("Universal-Delaware").

WITNESSETH:

Universal-Delaware is a wholly-owned subsidiary of Universal-Florida organized by Universal-Florida to effectuate the present merger.

The authorized capital stock of Universal-Delaware consists of 5,000,000 shares of Common Stock, $.001 par value per share ("Universal-Delaware's Stock"), of which 1,000,000 shares are issued and outstanding and owned by Universal-Florida, and 1,000,000 shares of preferred stock none of which are issued and outstanding.

The Board of Directors and the Shareholders of Universal-Florida and the Board of Directors of Universal-Delaware have deemed it advisable and in the best interests of Universal-Delaware and Universal-Florida that Universal-Florida

be merged with and into Universal-Delaware pursuant to the statutory merger provisions of the Florida General Corporation Act and the Delaware General Corporation Law and in the manner and upon the terms and conditions set forth herein (the "Merger").

NOW, THEREFORE, Universal-Florida and Universal-Delaware do hereby agree that Universal-Florida shall merge into and with Universal-Delaware and do hereby adopt this Agreement and Plan of Merger, and agree upon and prescribe the terms and conditions of the Merger, the mode of carrying the same into effect, the disposition of the shares of capital stock of Universal-Florida and such other details and provisions as follows:

ARTICLE I

Universal-Florida shall be merged into and with Universal-Delaware and the separate existence of Universal-Florida shall cease on the Effective Date of the Merger (hereinafter defined), and, thereupon, Universal-Florida and Universal-Delaware shall become a single corporation, which shall be Universal-Delaware, which shall survive the Merger and shall continue to exist under and be governed by the laws of the State of Delaware.

ARTICLE II

The Certificate of Incorporation of Universal-Delaware in effect immediately prior to the Effective Date of the Merger shall be and continue to be the Certificate of Incorporation of

Universal-Delaware as the surviving corporation until the same shall be further amended or changed as provided by law.

ARTICLE III

The By-Laws of Universal-Delaware in effect immediately prior to the Effective Date of the Merger shall be and continue to be the By-Laws of Universal-Delaware as the surviving corporation until the same shall be altered, amended or repealed.

ARTICLE IV

All of the shares of capital stock of Universal-Florida shall be surrendered and cancelled on the Effective Date of the Merger and the holders thereof shall receive, pro-rata, and Universal-Delaware shall issue pro-rata, one share of Universal-Delaware's Stock in exchange for each share of Universal-Florida stock surrendered and cancelled.

ARTICLE V

The Board of Directors and the Officers of Universal-Delaware, upon the Effective Date of the Merger, shall be and continue to be the Board of Directors and Officers of Universal-Delaware as the surviving corporation until all or any of them shall be removed or their respective terms of office shall expire.

ARTICLE VI

On the Effective Date of the Merger, Universal-Delaware shall thereupon and thereafter possess all the rights, privileges, immunities, powers, franchises and purposes, both public and private, of Universal-Delaware and Universal-Florida, and all of the property, real, personal and mixed, and franchises of Universal-Delaware and Universal-Florida, and all debts due on whatever account to either of them, including subscriptions to shares and other choses in action belonging to Universal-Delaware or Universal-Florida, shall be taken and deemed to be transferred to and vested in Universal-Delaware without further act or deed. Universal-Delaware shall thenceforth be responsible for all of the obligations and liabilities of Universal-Delaware and Universal-Florida, but the obligations and liabilities of Universal-Delaware and Universal-Florida, and the obligations and liabilities of their Shareholders, directors or officers, shall not be affected. Neither the rights of the creditors of, nor the rights of any persons dealing with, Universal-Delaware or Universal-Florida, nor any liens upon the property of such corporations, shall be impaired by the Merger. Any claim existing or action or proceeding pending by or against Universal-Delaware or Universal-Florida may be prosecuted to judgment as if the Merger had not taken place, and Universal-Delaware, as the surviving corporation, may be proceeded against or substituted in the place

of Universal-Florida. Any taxes, penalties and public accounts claimed against either of the merging companies but not settled, assessed or determined prior to the Effective Date of the Merger, shall be settled, assessed or determined against Universal-Delaware and, together with interest thereon, shall be a lien against the franchises and property, both real and personal, of Universal-Delaware.

ARTICLE VII

Articles of Merger incorporating this Agreement and Plan of Merger, as required by the Florida General Corporation Act and the Certificate of Ownership and Merger as required by the Delaware General Corporation Law, shall be executed by the President and Secretary of Universal-Delaware and of Universal-Florida under their respective corporate seals and the said Articles of Merger incorporating this Agreement and Plan of Merger shall be filed in the Office of the Department of State of the State of Florida and the Certificate of Ownership and Merger shall be filed in the Office of the Department of State of the State of Delaware and both documents shall be recorded as and where required by law.

ARTICLE VIII

Neither Universal-Delaware nor Universal-Florida has made or given any representation or warranty concerning the Merger

other than those expressly set forth in this Agreement and Plan of Merger. Neither Universal-Delaware nor Universal-Florida in executing and in carrying out the provisions of this Agreement and Plan of Merger, is relying on or shall rely on any representation or warranty made by the other, or any other person or entity, which is not expressly set forth herein.

ARTICLE IX

The Effective Date of the Merger shall be the 25th day of October, 1987.

IN WITNESS WHEREOF, Universal-Delaware and Universal-Florida have caused this Agreement and Plan of Merger to be executed in their corporate names by their Presidents, attested by their Secretaries and their respective corporate seals to be hereunto affixed, all as of the day and year first above written.

ATTEST:

Robert J. Bedore, Asst. Secretary

(CORPORATE SEAL)

UNIVERSAL WASTE & TRANSIT, INC.

By: Robert J. Bedore, President

ATTEST:

Robert J. Bedore, Asst. Secretary

(CORPORATE SEAL)

UNIVERSAL WASTE AND TRANSIT, INC.

By: Robert J. Bedore, President

AGREEMENT AND OFFER TO PURCHASE SHARES
OF DISSENTING STOCKHOLDERS OF
CORPORATION IN MERGER
PURSUANT TO SECTION 607.234
OF FLORIDA STATUTES

The undersigned corporation, UNIVERSAL WASTE & TRANSIT, INC., a Delaware corporation, pursuant to Section 607.234 of the Florida Statutes, hereby agrees and offers to purchase the shares of all dissenting stockholders of UNIVERSAL WASTE & TRANSIT, INC., a Florida corporation, and to pay promptly to such dissenting stockholders the amount, if any, to which they shall be entitled under the provisions of Section 607 of the Florida General Corporation Act relating to the rights of dissenting stockholders.

DATED: October 13, 1987

UNIVERSAL WASTE & TRANSIT, INC.

BY: _____
ROBERT J. BEDORE, President

Attest: _____
WILLIAM SMITH, Secretary

STATE OF FLORIDA
COUNTY OF PINELLAS

Before me, the undersigned authority, personally appeared ROBERT J. BEDORE , as the President and also as the Secretary, respectively of UNIVERSAL WASTE & TRANSIT, INC., a Delaware corporation, and they acknowledged to and before me that they executed the foregoing instrument.

WITNESS my hand and seal this 13th day of October, 1987.

_____
Notary Public, State of Florida

My Commission Expires:

STATE OF FLORIDA
MILDRED GELFOND
NOTARY PUBLIC

MY COMMISSION EXP. AUG 17,1988

CERTIFICATE OF MERGER

The undersigned Corporations, pursuant to Section 607.234 of the Florida General Corporation Act hererby execute the following Certificate of Merger.

FIRST: The names of the corporations proposing to merge and the names of the states under the laws of which such corporations are organized are as follows:

NAME OF CORPORATION	STATE OF INCORPORATION
Universal Waste and Transit, Inc.	Florida
Universal Waste & Transit, Inc.	Delaware

SECOND: The laws of the state under which such foreign corporation is organized permit such merger.

THIRD: The name of the surviving corporation is Universal Waste & Transit, Inc. And it shall be governed by the laws of the State of Delaware.

FOURTH: The plan of merger is as follows:

See Exhibit A attached

FIFTH: The Agreement and Plan of Merger was adopted by the Board of Directors and the Shareholders of Universal Waste and Transit, Inc. the undersigned Florida Corporation, on the 12th day of October, 1987 , and was adopted by the Board of Directors of Universal Waste & Transit, Inc., the undersigned foreign corporation, on the 12th day of October, 1987.

SIXTH: All provisions of the law of the State of Florida and the State of Delaware applicable to the merger have been complied with.

SEVENTH: The Effective Date of the Certificate of Ownership and Merger shall be the 25th day of October, 1987.

EIGHTH: It is agreed that the surviving corporation will promptly pay to the dissenting shareholders of any such domestic corporation the amount, if any, to which they shall be entitled under the provisions of the Florida General Corporation Act with respect to the rights of dissenting shareholders.

Signed this 13th day of October, 1987.

(Surviving Corporation) UNIVERSAL WASTE & TRANSIT, Inc.

By: _____
Robert J. Bedore, President

Attest: _____
Robert J. Bedore, Asst. Secretary
(CORPORATE SEAL)

(Merged Corporation) UNIVERSAL WASTE AND TRANSIT, INC.

By: _____
Robert J. Bedore, President

Attest: _____
Robert J. Bedore, Asst.Secretary
(CORPORATE SEAL)

State of Florida

County of Pinellas

The foregoing instrument was acknowledged before me this 13th day of October, 1987 , by Robert J. Bedore, President of Universal Waste and Transit, Inc., on behalf of the corporation.

My commission expires

NOTARY PUBLIC STATE OF FLORIDA
MY COMMISSION EXP. MAY 21,1991
BONDED THRU GENERAL INS. UND.

NOTARY PUBLIC

(SEAL)

State of Florida

County of Pinellas

The foregoing instrument was acknowledged before me this 13th day of October, 1987, by Robert J. Bedore, President of Universal Waste & Transit, Inc. on behalf of the corporation.

My commission expires

NOTARY PUBLIC STATE OF FLORIDA
MY COMMISSION EXP. MAY 21,1991
BONDED THRU GENERAL INS. UND.

NOTARY PUBLIC

(SEAL)

EXHIBIT A

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AGREEMENT AND PLAN OF MERGER made this 13th day of October, 1987, by and between UNIVERSAL WASTE AND TRANSIT, INC., a Florida corporation ("Universal-Florida") and UNIVERSAL WASTE & TRANSIT, INC., a Delaware corporation ("Universal-Delaware").

WITNESSETH:

Universal-Delaware is a wholly-owned subsidiary of Universal-Florida organized by Universal-Florida to effectuate the present merger.

The authorized capital stock of Universal-Delaware consists of 5,000,000 shares of Common Stock, $.001 par value per share ("Universal-Delaware's Stock"), of which 1,000,000 shares are issued and outstanding and owned by Universal-Florida, and 1,000,000 shares of preferred stock none of which are issued and outstanding.

The Board of Directors and the Shareholders of Universal-Florida and the Board of Directors of Universal-Delaware have deemed it advisable and in the best interests of Universal-Delaware and Universal-Florida that Universal-Florida

be merged with and into Universal-Delaware pursuant to the statutory merger provisions of the Florida General Corporation Act and the Delaware General Corporation Law and in the manner and upon the terms and conditions set forth herein (the "Merger").

NOW, THEREFORE, Universal-Florida and Universal-Delaware do hereby agree that Universal-Florida shall merge into and with Universal-Delaware and do hereby adopt this Agreement and Plan of Merger, and agree upon and prescribe the terms and conditions of the Merger, the mode of carrying the same into effect, the disposition of the shares of capital stock of Universal-Florida and such other details and provisions as follows:

ARTICLE I

Universal-Florida shall be merged into and with Universal-Delaware and the separate existence of Universal-Florida shall cease on the Effective Date of the Merger (hereinafter defined), and, thereupon, Universal-Florida and Universal-Delaware shall become a single corporation, which shall be Universal-Delaware, which shall survive the Merger and shall continue to exist under and be governed by the laws of the State of Delaware.

ARTICLE II

The Certificate of Incorporation of Universal-Delaware in effect immediately prior to the Effective Date of the Merger shall be and continue to be the Certificate of Incorporation of

Universal-Delaware as the surviving corporation until the same shall be further amended or changed as provided by law.

ARTICLE III

The By-Laws of Universal-Delaware in effect immediately prior to the Effective Date of the Merger shall be and continue to be the By-Laws of Universal-Delaware as the surviving corporation until the same shall be altered, amended or repealed.

ARTICLE IV

All of the shares of capital stock of Universal-Florida shall be surrendered and cancelled on the Effective Date of the Merger and the holders thereof shall receive, pro-rata, and Universal-Delaware shall issue pro-rata, one share of Universal-Delaware's Stock in exchange for each share of Universal-Florida stock surrendered and cancelled.

ARTICLE V

The Board of Directors and the Officers of Universal-Delaware, upon the Effective Date of the Merger, shall be and continue to be the Board of Directors and Officers of Universal-Delaware as the surviving corporation until all or any of them shall be removed or their respective terms of office shall expire.

ARTICLE VI

On the Effective Date of the Merger, Universal-Delaware shall thereupon and thereafter possess all the rights, privileges, immunities, powers, franchises and purposes, both public and private, of Universal-Delaware and Universal-Florida, and all of the property, real, personal and mixed, and franchises of Universal-Delaware and Universal-Florida, and all debts due on whatever account to either of them, including subscriptions to shares and other choses in action belonging to Universal-Delaware or Universal-Florida, shall be taken and deemed to be transferred to and vested in Universal-Delaware without further act or deed. Universal-Delaware shall thenceforth be responsible for all of the obligations and liabilities of Universal-Delaware and Universal-Florida, but the obligations and liabilities of Universal-Delaware and Universal-Florida, and the obligations and liabilities of their Shareholders, directors or officers, shall not be affected. Neither the rights of the creditors of, nor the rights of any persons dealing with, Universal-Delaware or Universal-Florida, nor any liens upon the property of such corporations, shall be impaired by the Merger. Any claim existing or action or proceeding pending by or against Universal-Delaware or Universal-Florida may be prosecuted to judgment as if the Merger had not taken place, and Universal-Delaware, as the surviving corporation, may be proceeded against or substituted in the place

of Universal-Florida. Any taxes, penalties and public accounts claimed against either of the merging companies but not settled, assessed or determined prior to the Effective Date of the Merger, shall be settled, assessed or determined against Universal-Delaware and, together with interest thereon, shall be a lien against the franchises and property, both real and personal, of Universal-Delaware.

ARTICLE VII

Articles of Merger incorporating this Agreement and Plan of Merger, as required by the Florida General Corporation Act and the Certificate of Ownership and Merger as required by the Delaware General Corporation Law, shall be executed by the President and Secretary of Universal-Delaware and of Universal-Florida under their respective corporate seals and the said Articles of Merger incorporating this Agreement and Plan of Merger shall be filed in the Office of the Department of State of the State of Florida and the Certificate of Ownership and Merger shall be filed in the Office of the Department of State of the State of Delaware and both documents shall be recorded as and where required by law.

ARTICLE VIII

Neither Universal-Delaware nor Universal-Florida has made or given any representation or warranty concerning the Merger

other than those expressly set forth in this Agreement and Plan of Merger. Neither Universal-Delaware nor Universal-Florida in executing and in carrying out the provisions of this Agreement and Plan of Merger, is relying on or shall rely on any representation or warranty made by the other, or any other person or entity, which is not expressly set forth herein.

ARTICLE IX

The Effective Date of the Merger shall be the 25th day of October, 1987.

IN WITNESS WHEREOF, Universal-Delaware and Universal-Florida have caused this Agreement and Plan of Merger to be executed in their corporate names by their Presidents, attested by their Secretaries and their respective corporate seals to be hereunto affixed, all as of the day and year first above written.

ATTEST:

Robert J. Bedore, Asst. Secretary
(CORPORATE SEAL)

UNIVERSAL WASTE & TRANSIT, INC.

By: Robert J. Bedore, President

ATTEST:

Robert J. Bedore, Asst. Secretary
(CORPORATE SEAL)

UNIVERSAL WASTE AND TRANSIT, INC.

By: Robert J. Bedore, President

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

BRANDON QUADRANGLE
FLORIDA-HILLSBOROUGH CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

Mapped, edited, and published by the Geological Survey

Control by USGS, NOS/NOAA, and Florida Geodetic Survey

Culture and drainage in part compiled from aerial photographs taken 1955. Topography by planetable surveys 1955–1956

Polyconic projection. 10,000-foot grid ticks based on Florida coordinate system, west zone. 1000-meter Universal Transverse Mercator grid ticks, zone 17, shown in blue. 1927 North American Datum. To place on the predicted North American Datum 1983 move the projection lines 29 meters south and 17 meters west as shown by dashed corner ticks

Revisions shown in purple compiled from aerial photographs taken 1979 and other sources. This information not field checked. Map edited 1981

Purple tint indicates extension of urban areas .

UTM GRID AND 1981 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

CONTOUR INTERVAL 5 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ROAD CLASSIFICATION

Heavy-duty — Light-duty
Medium-duty — Unimproved dirt
U. S. Route — State Route
Interstate Route

QUADRANGLE LOCATION

BRANDON, FLA.
N2752.5—W8215/7.5

1956
PHOTOREVISED 1981
DMA 4539 IV NE—SERIES V847

INTERIOR—GEOLOGICAL SURVEY, RESTON, VIRGINIA—1982

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

TAMPA QUADRANGLE
FLORIDA—HILLSBOROUGH CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

Mapped, edited, and published by the Geological Survey

Control by USGS, NOS/NOAA, and USCE

Culture and drainage in part compiled from aerial photographs taken 1954. Topography by planetable surveys 1956

Selected hydrographic data compiled from NOS chart 587 (1952) This information is not intended for navigational purposes

Polyconic projection. 10,000-foot grid ticks based on Florida coordinate system, west zone. 1000-meter Universal Transverse Mercator grid ticks, zone 17, shown in blue. 1927 North American Datum. To place on the predicted North American Datum 1983 move the projection lines 29 meters south and 17 meters west as shown by dashed corner ticks

Red tint indicates areas in which only landmark buildings are shown

Revisions shown in purple compiled from aerial photographs taken 1979 and other sources. This information not field checked. Map edited 1981 .

Purple tint indicates extension of urban areas

UTM GRID AND 1981 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET

SCALE 1:24 000

CONTOUR INTERVAL 5 FEET
NATIONAL GEODETIC VERTICAL DATUM OF 1929
DEPTH CURVES AND SOUNDINGS IN FEET—GULF COAST LOW WATER DATUM
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE
SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
THE MEAN RANGE OF TIDE IS APPROXIMATELY 2 FEET

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U. S. GEOLOGICAL SURVEY, RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

FLORIDA
QUADRANGLE LOCATION

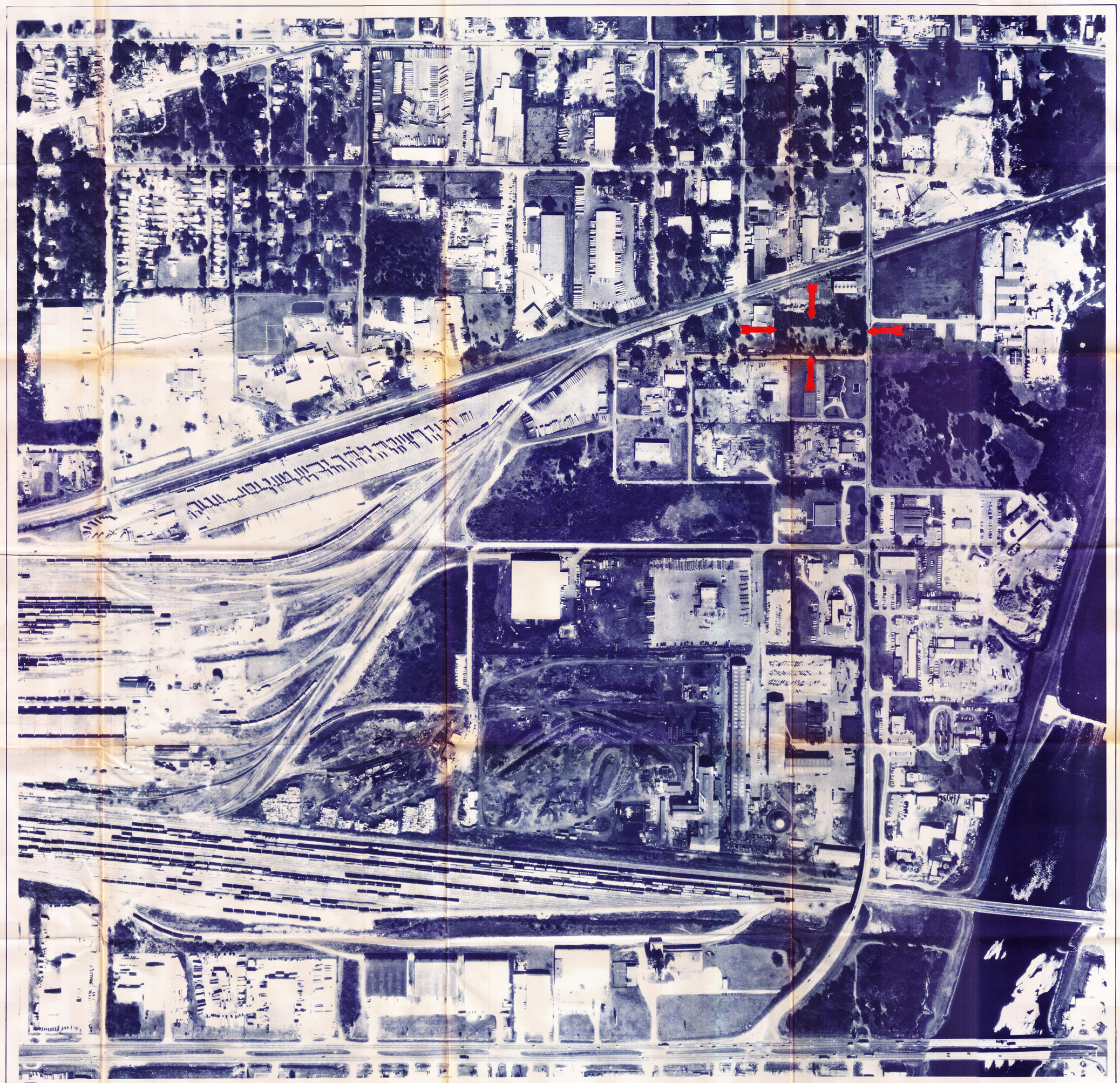
ROAD CLASSIFICATION
Heavy-duty
Medium-duty
Light-duty
Unimproved dirt
Interstate Route
U. S. Route
State Route

TAMPA, FLA.
N2752.5—W8222.5/7.5

1956
PHOTOREVISED 1981
DMA 4539 IV NW—SERIES V847

ATTACHMENT 5

Attachment 5 is the topographic map and is Map S-1 located in the map tube

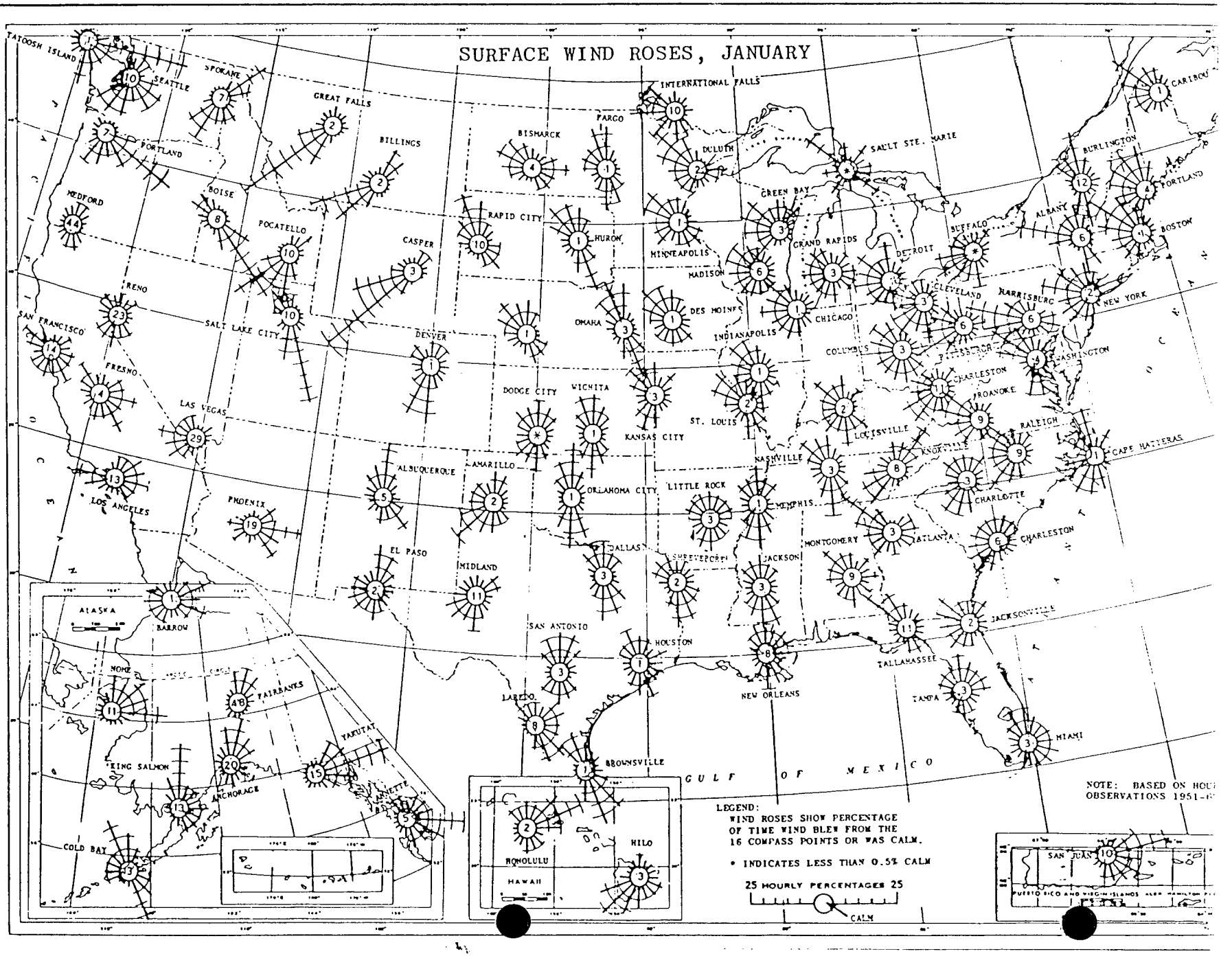


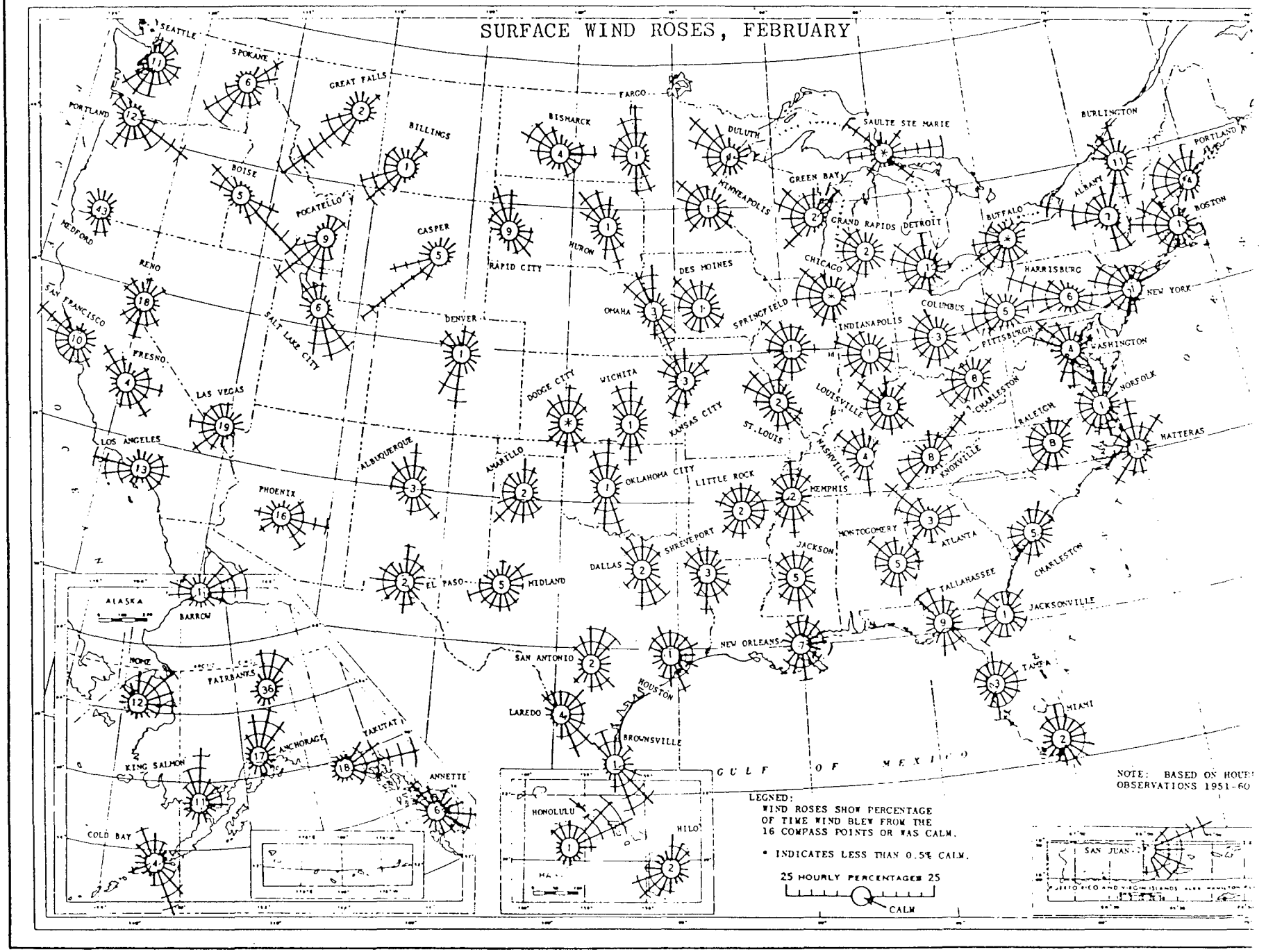
CITY OF TAMPA, FLORIDA	Date: 2-1985	Scale: 1" 200'	Sec. 14, T 29 S, R 19 E	Atlas Sheet No. H-17

ATTACHMENT 7

U. S. DEPARTMENT OF COMMERCE
ENVIRONMENTAL SCIENCE SERVICES ADMINISTRATION
ENVIRONMENTAL DATA SERVICE

SURFACE WIND ROSES, MONTH



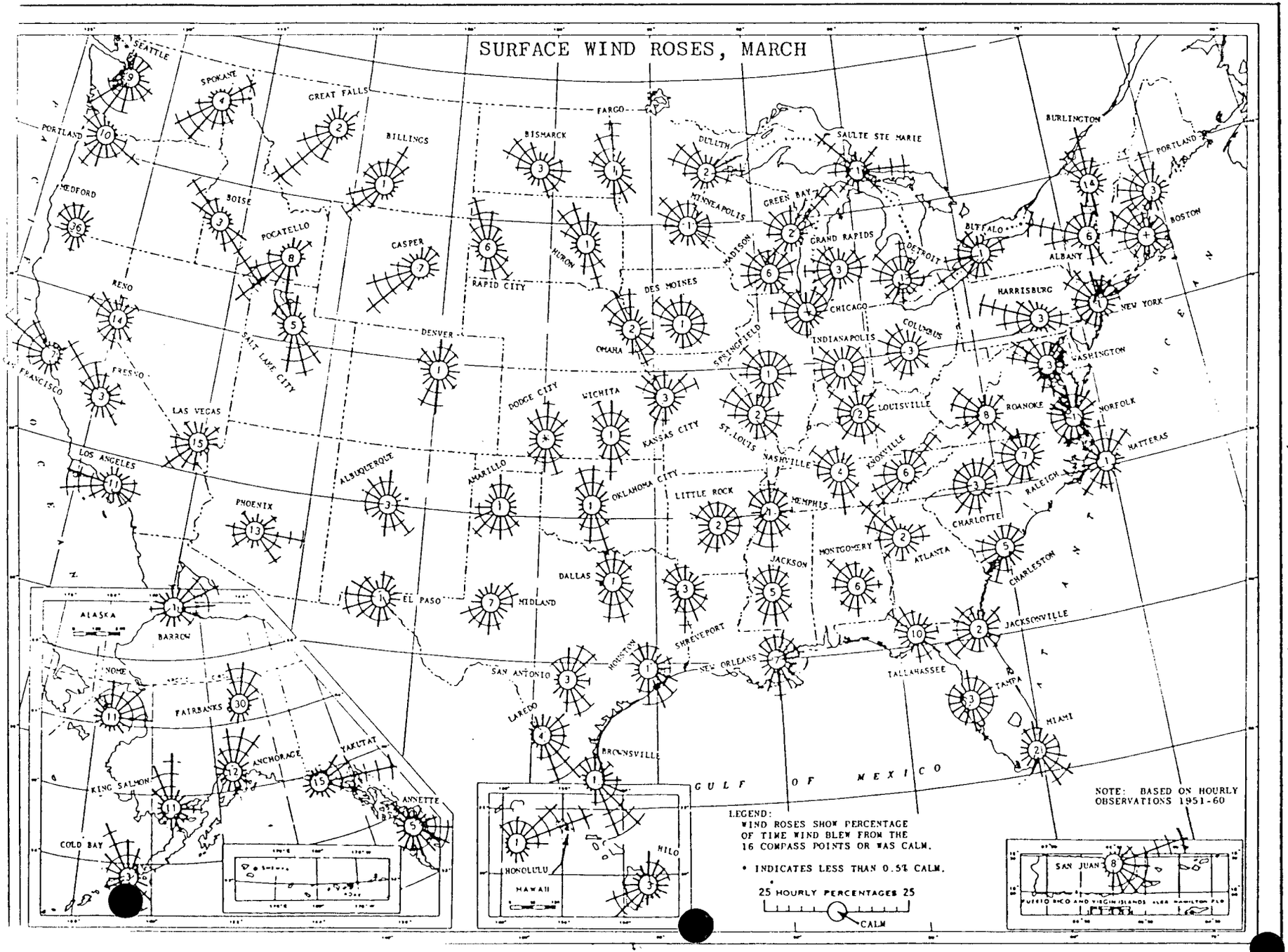


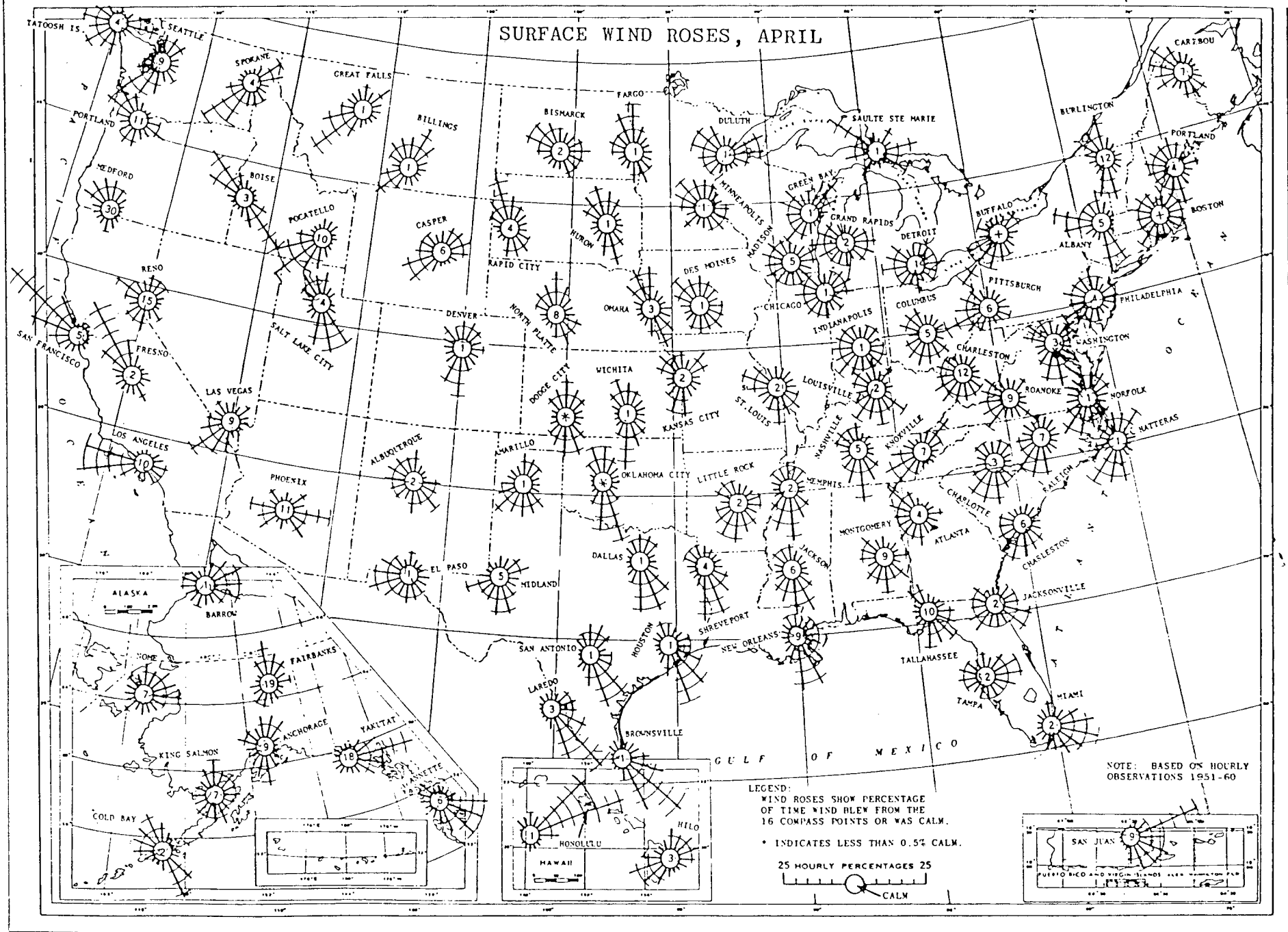
Prepared by Office of Data Information

For Sale by Superintendent of Documents,

Price 25 ce

ND ANNUAL; RESULTANT SURFACE WINDS, MIDSEASONAL.



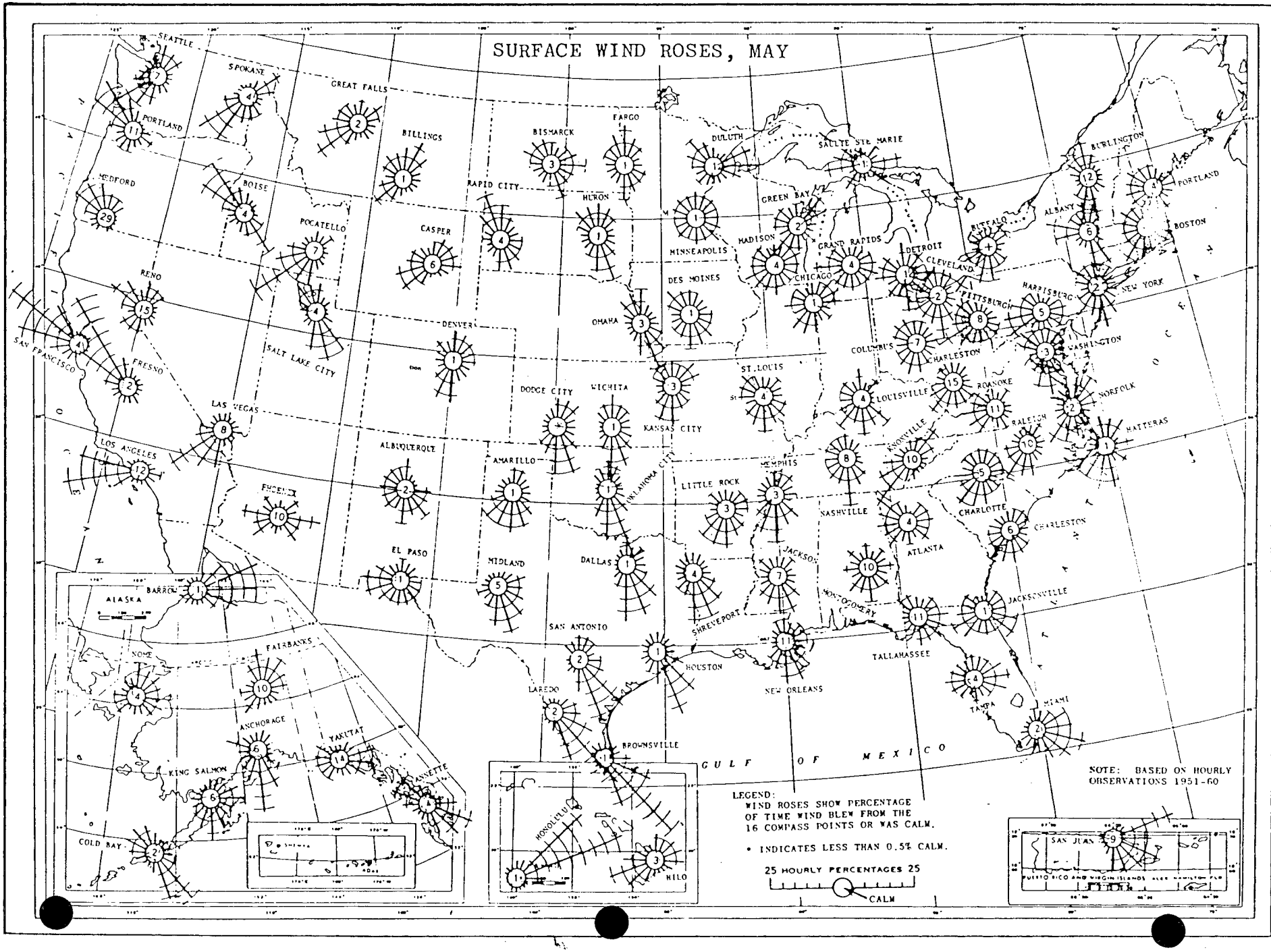


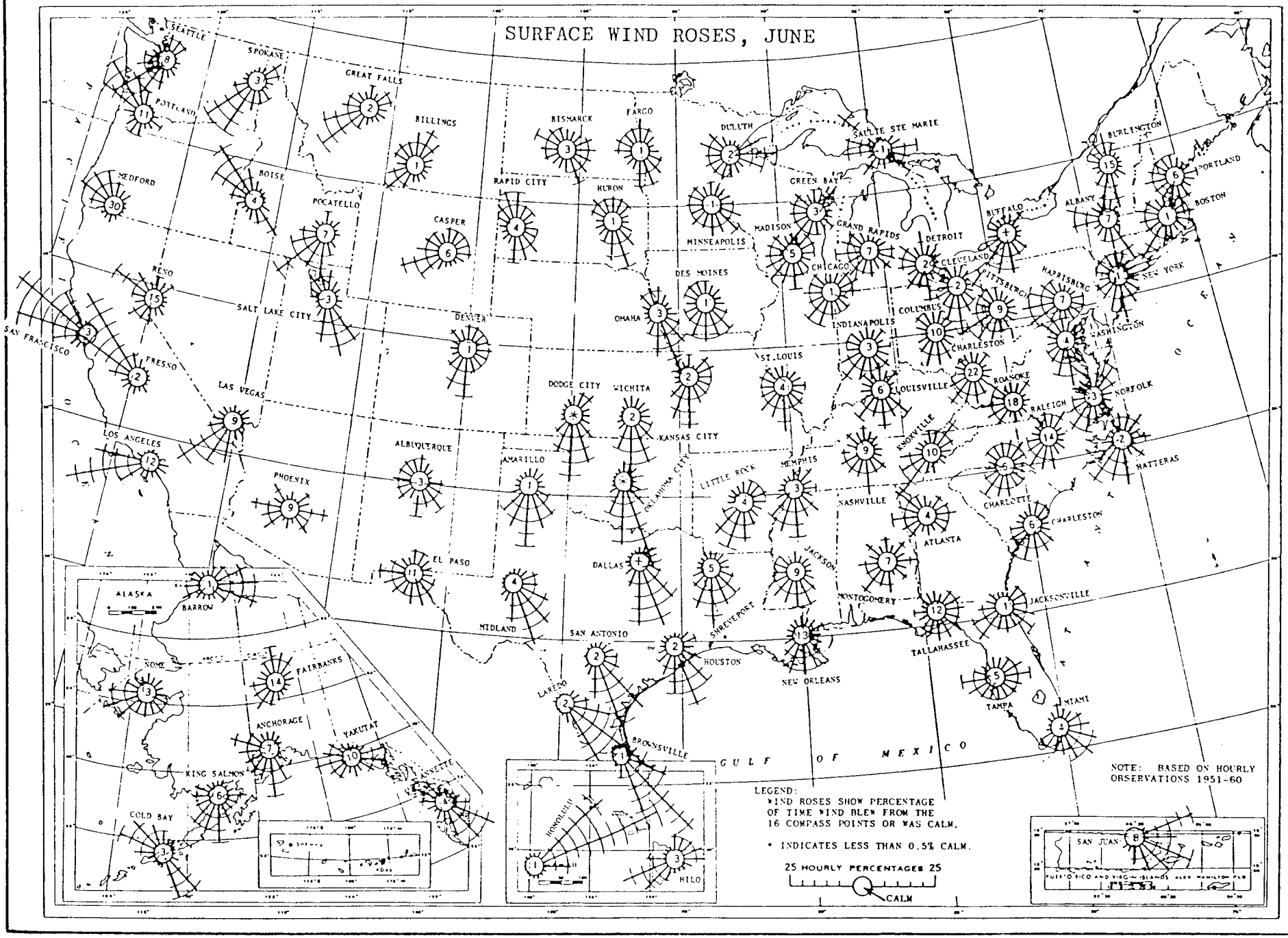
overnment Printing Office, Washington, D. C., 20402

Edition of 1967

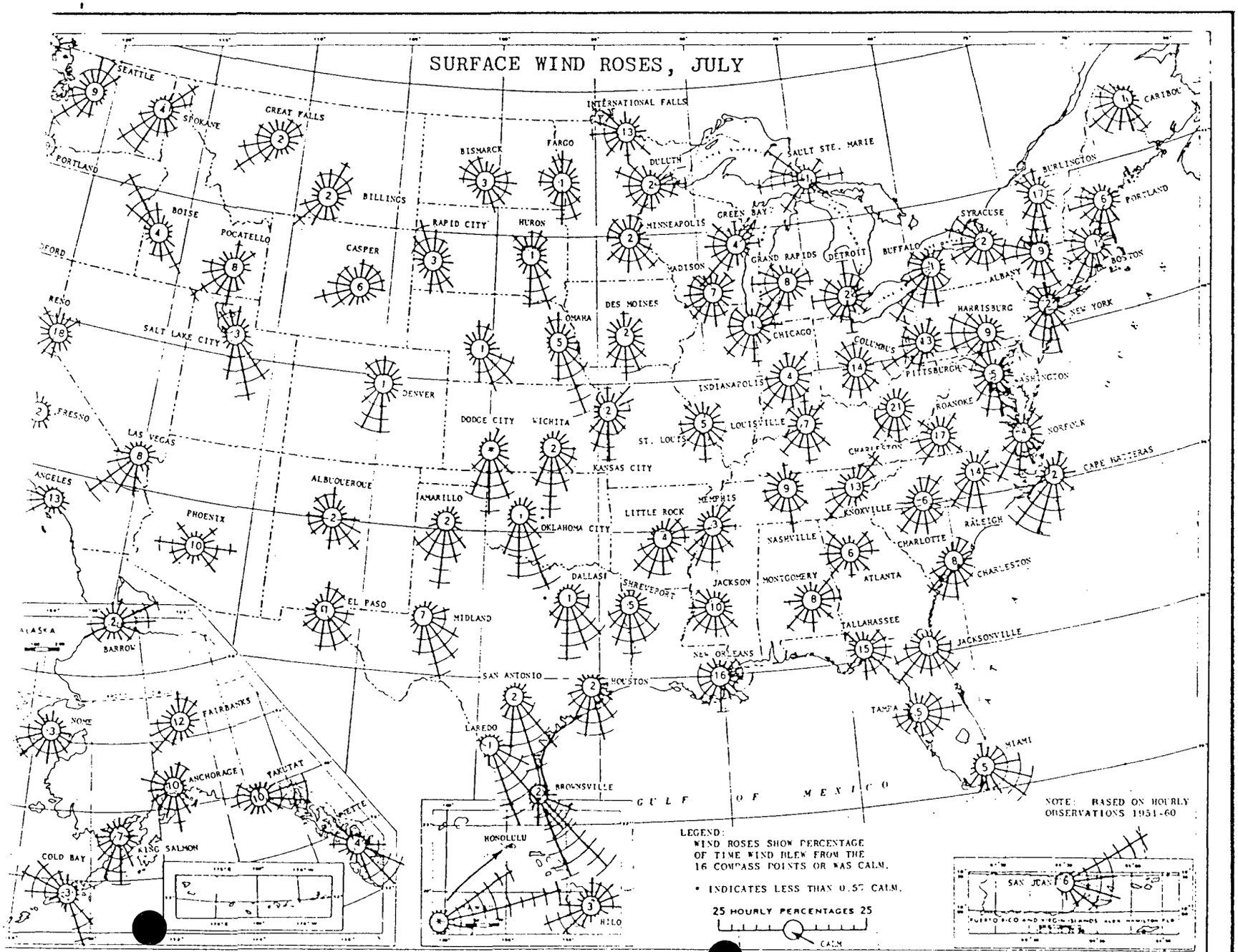
r set of 2 maps.

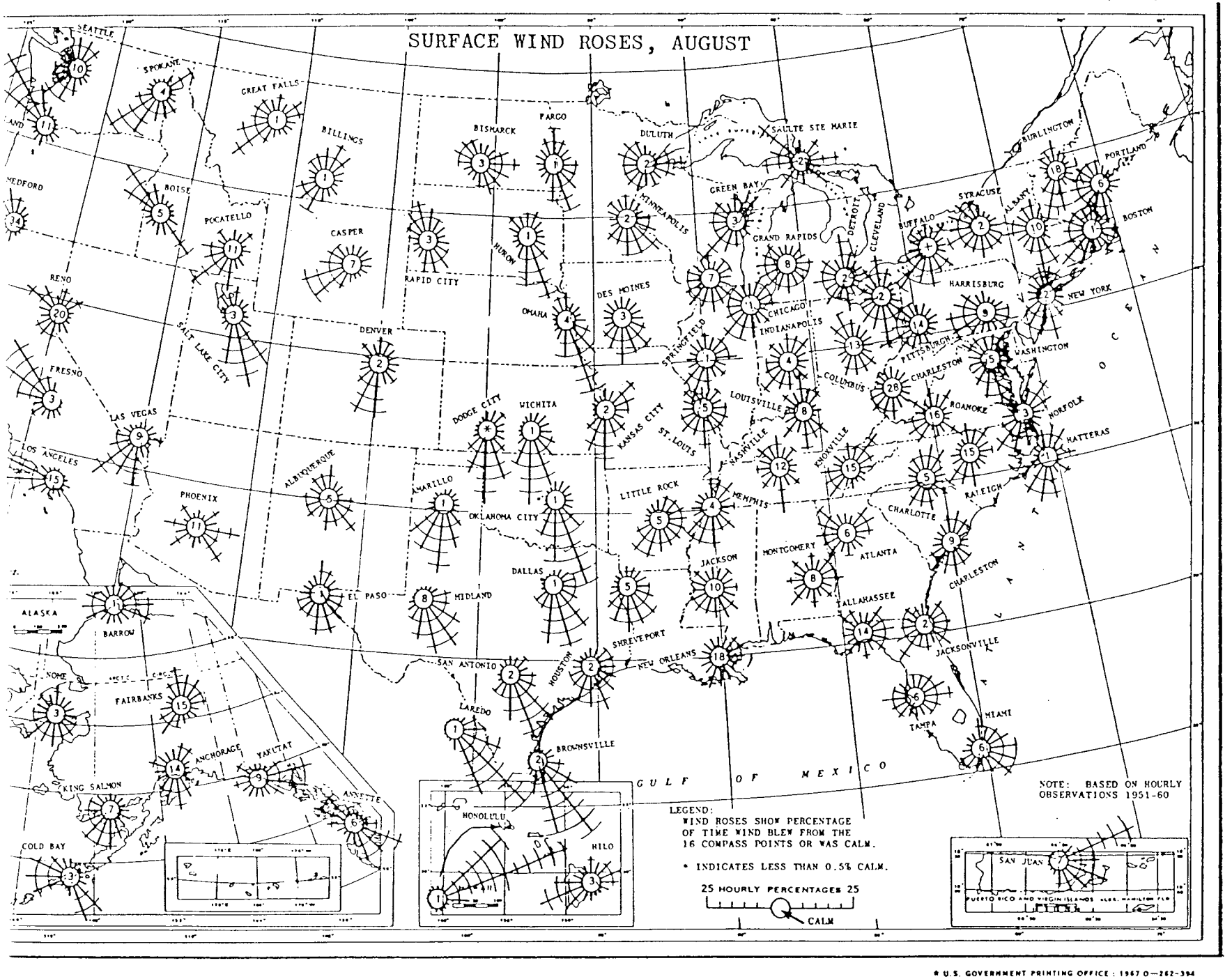
SURFACE WIND ROSES, MONTHLY AND ANNUAL; RESUL




SURFACE WIND ROSES, JUNE
SEATTLE
SPOKANE
GREAT FALLS
PORTLAND
BILLINGS
BISMARCK
FARGO
DULUTH
SAULTE STE MARIE
BURLINGTON
MEDFORD
BOISE
POCATELLO
RAPID CITY
HURON
GREEN BAY
PORTLAND
BOSTON
CASPER
MINNEAPOLIS
MADISON
GRAND RAPIDS
DETROIT
BUFFALO
ALBANY
RENO
SALT LAKE CITY
DENVER
DES MOINES
CHICAGO
CLEVELAND
PITTSBURGH
HARRISBURG
NEW YORK
SAN FRANCISCO
FRESNO
OMAHA
INDIANAPOLIS
COLUMBUS
WASHINGTON
LAS VEGAS
ST.LOUIS
CHARLESTON
DODGE CITY
WICHITA
LOUISVILLE
ROANOKE
NORFOLK
LOS ANGELES
ALBUQUERQUE
KANSAS CITY
KNOXVILLE
RALEIGH
HATTERAS
AMARILLO
OKLAHOMA CITY
LITTLE ROCK
MEMPHIS
PHOENIX
NASHVILLE
CHARLOTTE
CHARLESTON
ATLANTA
EL PASO
DALLAS
JACKSON
MONTGOMERY
JACKSONVILLE
MIDLAND
SAN ANTONIO
SHREVEPORT
HOUSTON
NEW ORLEANS
TALLAHASSEE
TAMPA
MIAMI
LAREDO
BROWNSVILLE
GULF OF MEXICO
ALASKA
BARROW
NOME
FAIRBANKS
ANCHORAGE
YAKUTAT
KING SALMON
COLD BAY
HONOLULU
HILO
SAN JUAN
PUERTO RICO AND VIRGIN ISLANDS
ALEX HAMILTON PUB
NOTE: BASED ON HOURLY OBSERVATIONS 1951-60
LEGEND:
WIND ROSES SHOW PERCENTAGE OF TIME WIND BLEW FROM THE 16 COMPASS POINTS OR WAS CALM.
• INDICATES LESS THAN 0.5% CALM.
25 HOURLY PERCENTAGES 25
CALM

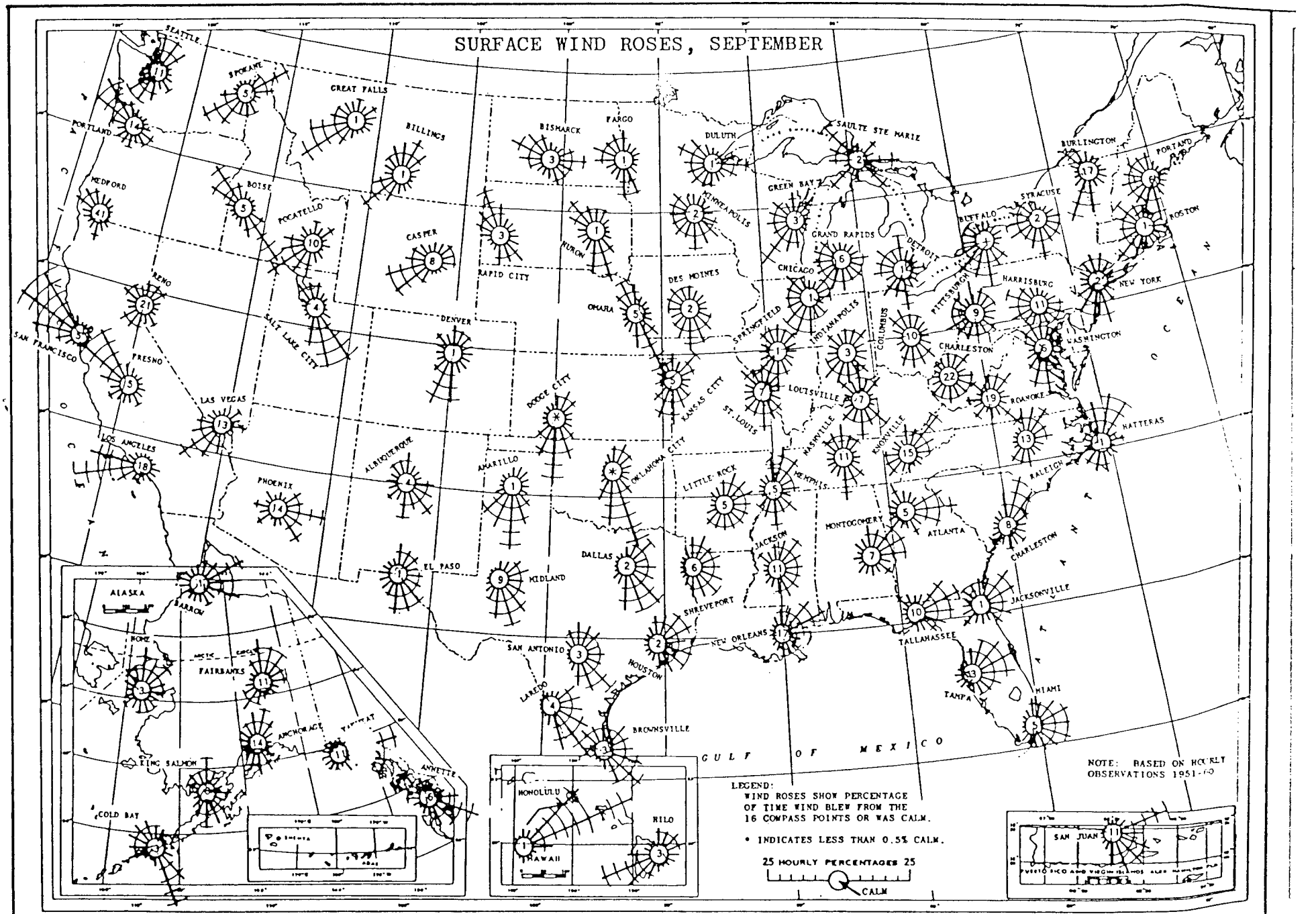
SURFACE WINDS, MIDSEASONAL.-- Continued



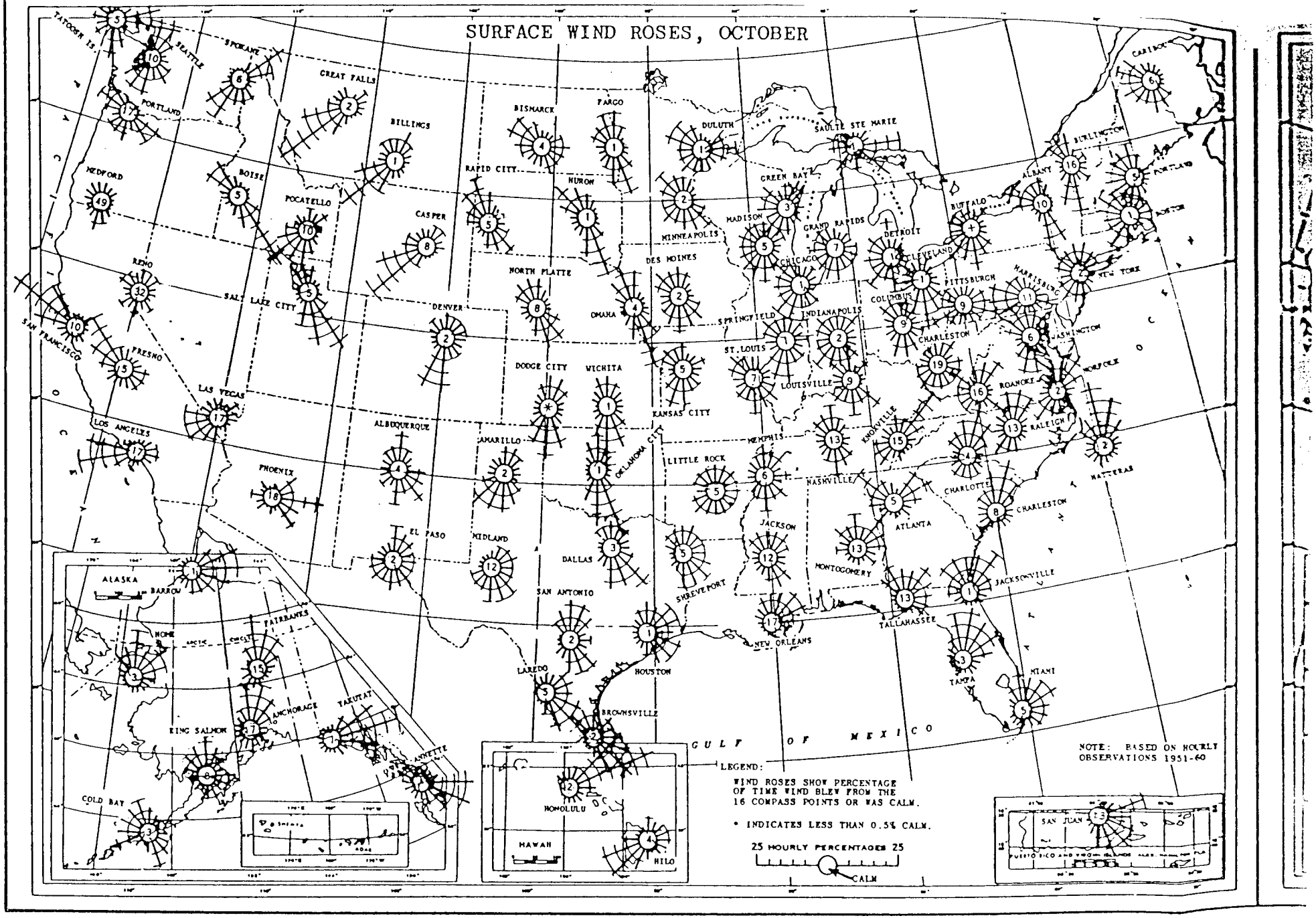


* U.S. GOVERNMENT PRINTING OFFICE : 1967 O—262-394

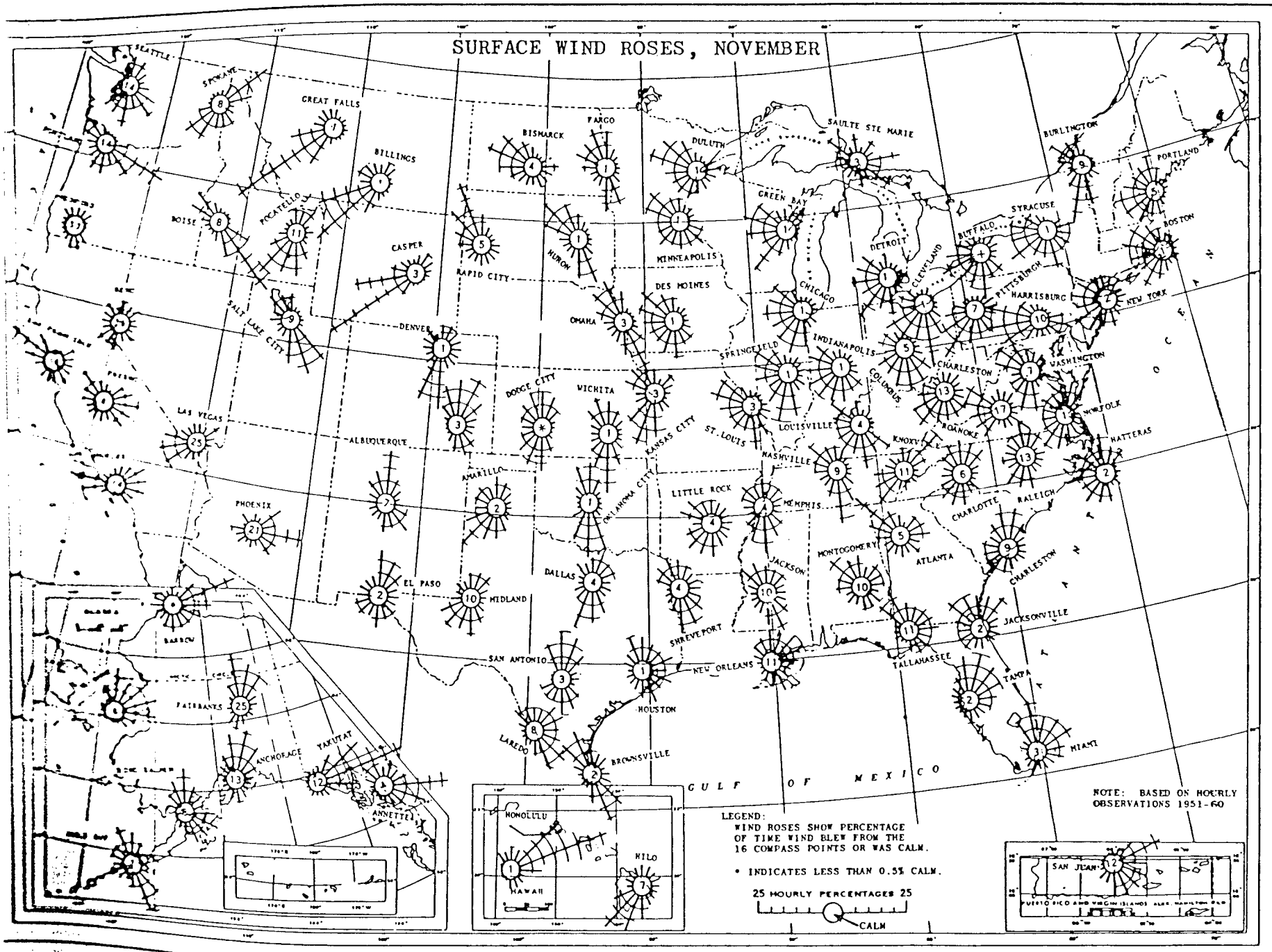
SURFACE WIND ROSES, MONTHLY AND ANNUAL; RES

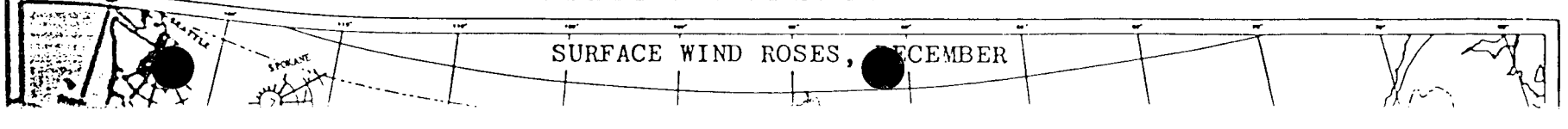


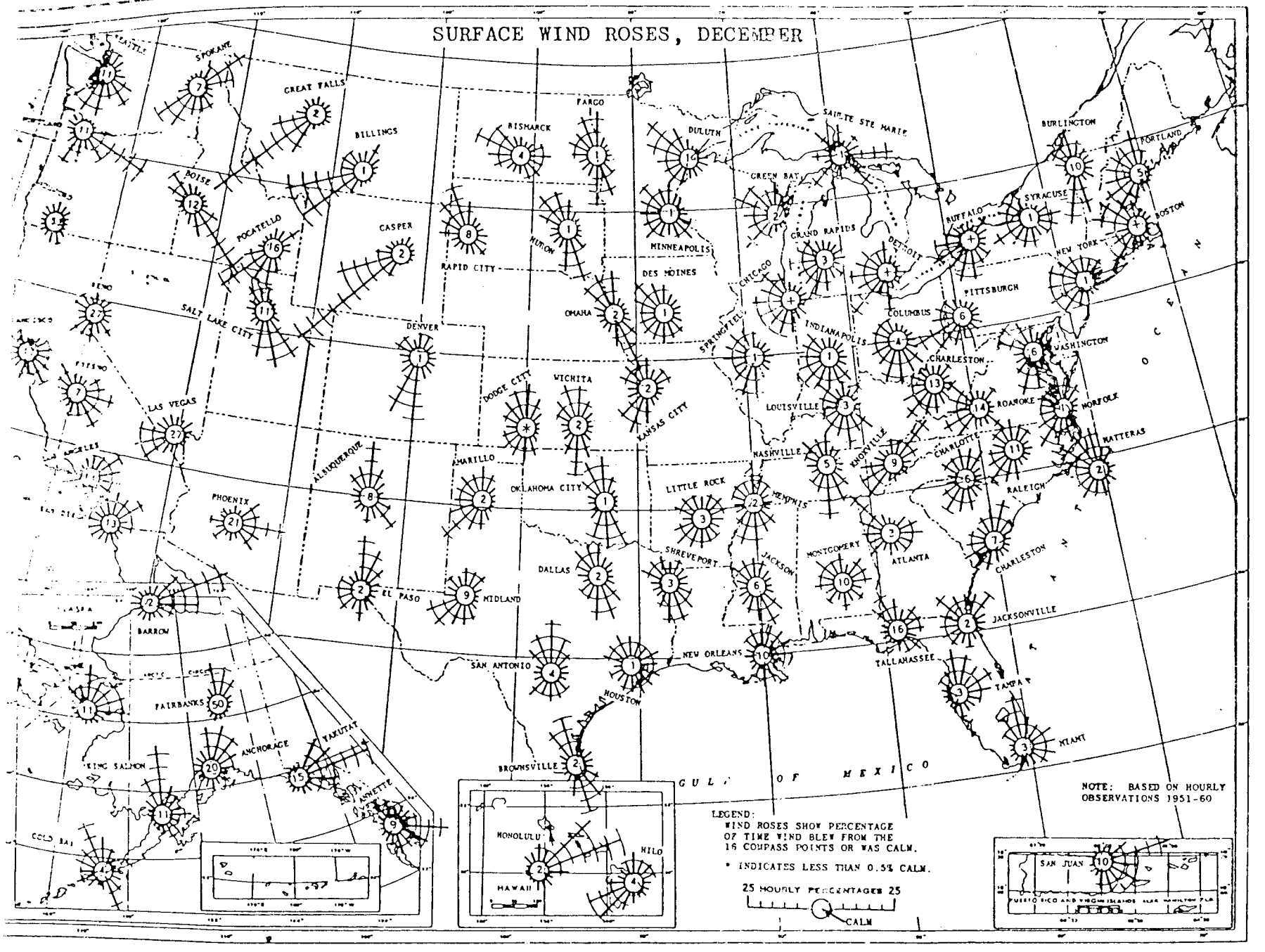
SURFACE WIND ROSES, OCTOBER


SURFACE WIND ROSES, OCTOBER
TATOOSH IS.
SEATTLE
SPOKANE
PORTLAND
GREAT FALLS
BILLINGS
BISMARCK
FARGO
DULUTH
SAULTE STE MARIE
CARIBOU
MEDFORD
BOISE
POCATELLO
CASPER
RAPID CITY
HURON
GREEN BAY
BUFFALO
ALBANY
BURLINGTON
PORTLAND
BOSTON
NEW YORK
MINNEAPOLIS
MADISON
GRAND RAPIDS
DETROIT
CLEVELAND
CHICAGO
RENO
SALT LAKE CITY
DENVER
NORTH PLATTE
DES MOINES
OMAHA
SPRINGFIELD
INDIANAPOLIS
COLUMBUS
PITTSBURGH
HARRISBURG
SAN FRANCISCO
FRESNO
LAS VEGAS
LOS ANGELES
DODGE CITY
WICHITA
KANSAS CITY
ST. LOUIS
LOUISVILLE
CHARLESTON
WASHINGTON
NORFOLK
ROANOKE
RALEIGH
HATTERAS
ALBUQUERQUE
AMARILLO
OKLAHOMA CITY
LITTLE ROCK
MEMPHIS
KNOXVILLE
NASHVILLE
CHARLOTTE
CHARLESTON
PHOENIX
EL PASO
MIDLAND
DALLAS
JACKSON
ATLANTA
MONTGOMERY
JACKSONVILLE
TALLAHASSEE
SAN ANTONIO
SHREVEPORT
NEW ORLEANS
TAMPA
MIAMI
LAREDO
HOUSTON
BROWNSVILLE
ALASKA
BARROW
FAIRBANKS
NOME
ARCTIC CIRCLE
KING SALMON
ANCHORAGE
YAKUTAT
JUNEAU
ANNETTE
COLD BAY
HONOLULU
HAWAII
HILO
GULF OF MEXICO
SAN JUAN
LEGEND:
WIND ROSES SHOW PERCENTAGE OF TIME WIND BLEW FROM THE 16 COMPASS POINTS OR WAS CALM.
* INDICATES LESS THAN 0.5% CALM.
25 HOURLY PERCENTAGES 25
CALM
NOTE: BASED ON HOURLY OBSERVATIONS 1951-60

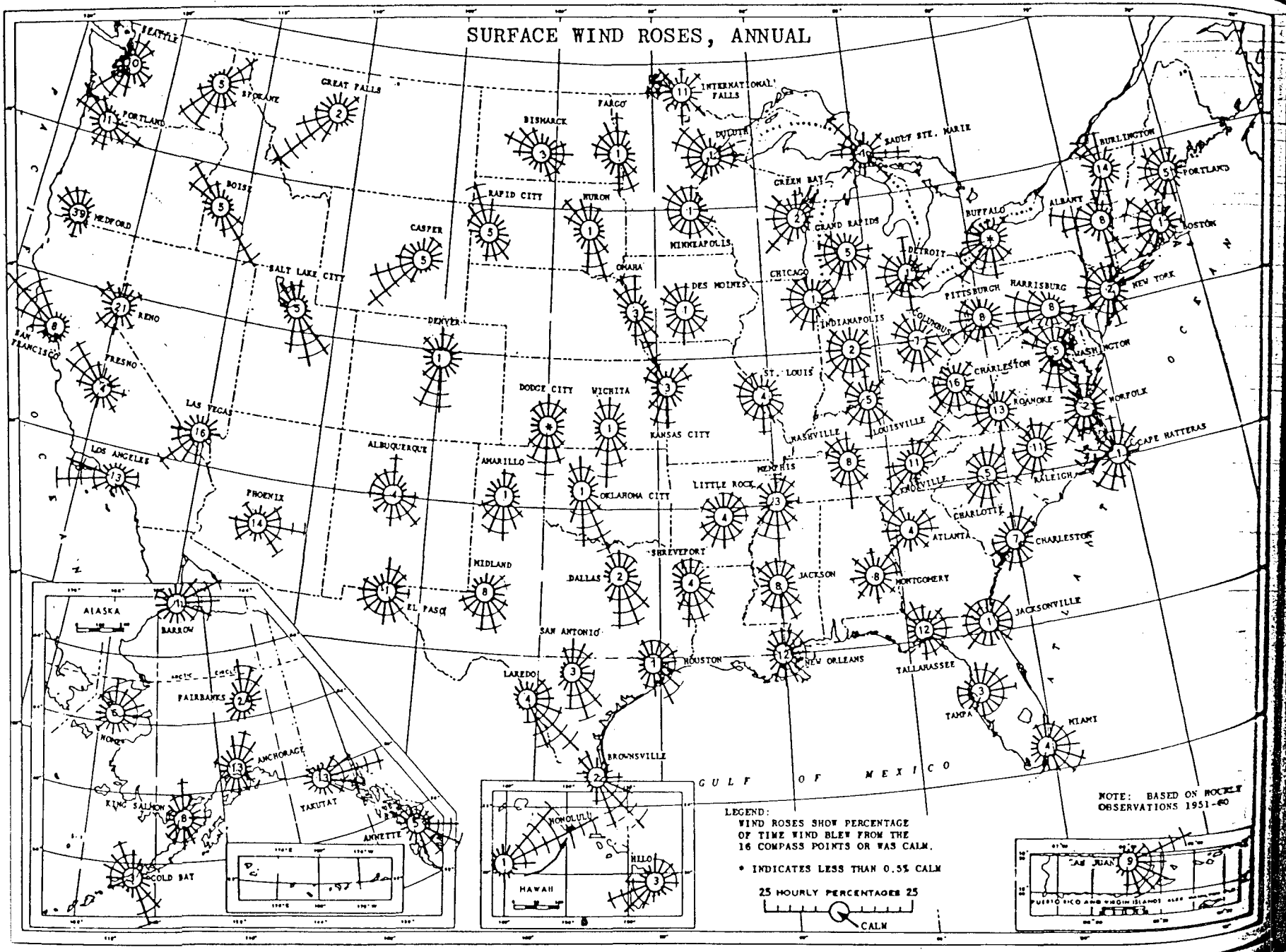
ULTANT SURFACE WINDS, MIDSEASONAL - Continued






SURFACE WIND ROSES, DECEMBER
SEATTLE
SPOKANE
GREAT FALLS
BILLINGS
BOISE
POCATELLO
CASPER
RAPID CITY
SALT LAKE CITY
DENVER
LAS VEGAS
PHOENIX
ALBUQUERQUE
AMARILLO
DODGE CITY
WICHITA
OKLAHOMA CITY
KANSAS CITY
DALLAS
EL PASO
MIDLAND
SAN ANTONIO
HOUSTON
BROWNSVILLE
NEW ORLEANS
SHREVEPORT
LITTLE ROCK
MEMPHIS
JACKSON
MONTGOMERY
ATLANTA
TALLAHASSEE
JACKSONVILLE
TAMPA
MIAMI
CHARLESTON
RALEIGH
CHARLOTTE
KNOXVILLE
NASHVILLE
LOUISVILLE
ROANOKE
NORFOLK
HATTERAS
WASHINGTON
INDIANAPOLIS
COLUMBUS
PITTSBURGH
NEW YORK
BOSTON
PORTLAND
BURLINGTON
SYRACUSE
BUFFALO
DETROIT
GRAND RAPIDS
CHICAGO
SPRINGFIELD
GREEN BAY
DULUTH
SAULTE STE MARIE
MINNEAPOLIS
DES MOINES
OMAHA
MILTON
FARGO
BISMARCK
BARROW
FAIRBANKS
ANCHORAGE
KING SALMON
COLD BAY
TAKUTAT
ANNETTE
HONOLULU
HILO
HAWAII
SAN JUAN
GULF OF MEXICO
NOTE: BASED ON HOURLY OBSERVATIONS 1951-60
LEGEND:
WIND ROSES SHOW PERCENTAGE OF TIME WIND BLEW FROM THE 16 COMPASS POINTS OR WAS CALM.
* INDICATES LESS THAN 0.5% CALM.
25 HOURLY PERCENTAGES 25
CALM

SURFACE WIND ROSES, MONTHLY AND ANNUAL; RE



KEY TO MAP

- 500-Year Flood Boundary
- 100-Year Flood Boundary
- Zone Designations* With Date of Identification e.g., 12/3/74
- 100-Year Flood Boundary
- 500-Year Flood Boundary
- Base Flood Elevation Line With Elevation In Feet** — 513
- Base Flood Elevation In Feet Where Uniform Within Zone** — (EL 987)
- Elevation Reference Mark — RM7x
- Zone D Boundary
- River Mile — •M1.5

**Referenced to the National Geodetic Vertical Datum of 1929

*EXPLANATION OF ZONE DESIGNATIONS

ZONE	EXPLANATION
A	Areas of 100-year flood; base flood elevations and flood hazard factors not determined.
AO	Areas of 100-year shallow flooding where depths are between one (1) and three (3) feet; average depths of inundation are shown, but no flood hazard factors are determined.
AH	Areas of 100-year shallow flooding where depths are between one (1) and three (3) feet; base flood elevations are shown, but no flood hazard factors are determined.
A1-A30	Areas of 100-year flood; base flood elevations and flood hazard factors determined.
A99	Areas of 100-year flood to be protected by flood protection system under construction; base flood elevations and flood hazard factors not determined.
B	Areas between limits of the 100-year flood and 500-year flood; or certain areas subject to 100-year flooding with average depths less than one (1) foot or where the contributing drainage area is less than one square mile; or areas protected by levees from the base flood. (Medium shading)
C	Areas of minimal flooding. (No shading)
D	Areas of undetermined, but possible, flood hazards.
V	Areas of 100-year coastal flood with velocity (wave action); base flood elevations and flood hazard factors not determined.
V1-V30	Areas of 100-year coastal flood with velocity (wave action); base flood elevations and flood hazard factors determined.

NOTES TO USER

Certain areas not in the special flood hazard areas (zones A and V) may be protected by flood control structures.

This map is for flood insurance purposes only; it does not necessarily show all areas subject to flooding in the community or all planimetric features outside special flood hazard areas.

For adjoining map panels, see separately printed Index To Map Panels.

INITIAL IDENTIFICATION:
NOVEMBER 27, 1970

FLOOD HAZARD BOUNDARY MAP REVISIONS:

FLOOD INSURANCE RATE MAP EFFECTIVE:
JUNE 18, 1980

FLOOD INSURANCE RATE MAP REVISIONS:
Map revised September 30, 1982 to change flood boundaries and corporate limits.

To determine if flood insurance is available in this community, contact your insurance agent, or call the National Flood Insurance Program, at (800) 638-6620.

APPROXIMATE SCALE
500 0 500 FEET

NATIONAL FLOOD INSURANCE PROGRAM

FIRM
FLOOD INSURANCE RATE MAP

CITY OF
TAMPA, FLORIDA
HILLSBOROUGH COUNTY

PANEL 27 OF 46
(SEE MAP INDEX FOR PANELS NOT PRINTED)

COMMUNITY-PANEL NUMBER
120114 0027 C

MAP REVISED:
SEPTEMBER 30, 1982

Federal Emergency Management Agency

ATTACHMENT 9

CITY OF TAMPA

Sandra W. Freedman, Mayor

Housing, Inspections and Community Services

Land Development Coordination

August 17, 1987

RECEIVED 8/18/87

Janet C. Reardon, esquire
First Union Building
980 Tyrone Blvd.
St. Petersburg, FL 33710

LEGAL DESCRIPTION: 7208 9th Avenue, Lots 8 - 14, Block 1, Orient Park Subdivision, Plat Book 11, Page 7

Dear Ms. Reardon:

This is to confirm that the above referenced property generally located at 7208 9th Avenue is currently zoned IH - Heavy Industrial. The property may be developed according to the regulations of the IH zoning district as stated in Cahpter 43A of the City of Tampa Code of Ordinances. This certification is valid as of the date of this letter and continues to be valid until modified by official action of the Tampa City Council through rezoning or revision of the Zoning Regulations.

Please be aware that the zoning does not guarantee that the property can be used as proposed unless other factors such as installation of utility systems, drainage facilities, parking and landscaping are considered.

Please do not hesitate to call if you need additional information.

Sincerely,

Owedia Moore

Owedia Moore
Zoning Service Aide

ATTACHMENT 10

CITY OF TAMPA

Sandra W. Freedman, Mayor

Housing, Inspections and Community Services

Land Development Coordination

September 30, 1987

Janet C. Reardon
First Union Building
980 Tyrone Blvd.
P. O. BOX 41100
St. Petersburg, FL 33743

Dear Ms. Reardon:

This letter is intended to confirm our earlier conversation that a hazardous waste storage, treatment and transport facility is a permitted use in the IH Heavy Industrial Zoning District. All federal, state and city development standards for the construction and operation of such a facility must be met.

Please contact me if you have any further questions.

Sincerely,

Gloria Moreda
Zoning Coordinator

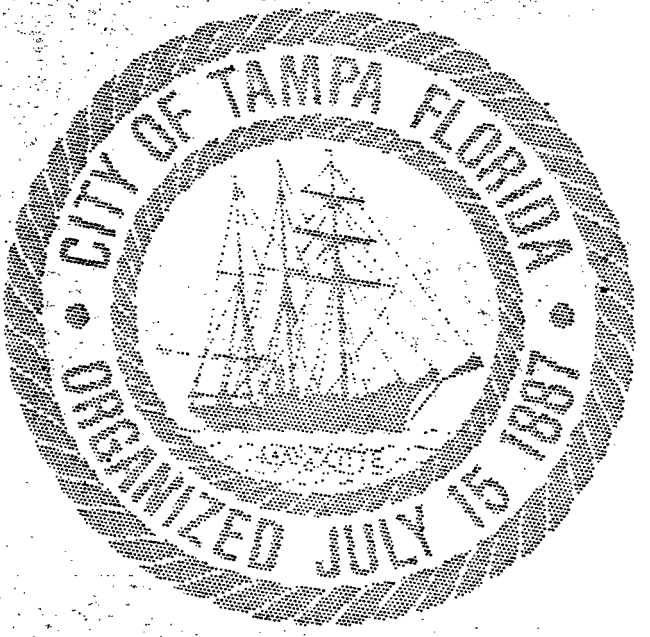
GM:mat

D. E. R.

NOV 12 1987

ATTACHMENT 11

city of tampa florida municipal code



Zoning
chapter 43 a

Height. The vertical distance between the mean elevation of the proposed finished grade at the structure front and the highest point of applicable regulations of the City, County, State and Federal government.

Home Occupation. An occupation conducted as an accessory use in a dwelling unit, employing only members of the resident family, in a manner clearly incidental and accessory to the residential use, requiring no changes to the outside of the structure. See Article VI for addtional conditions. ~~applicable whether a home occupation is a special or permitted use.~~

Hospital. An institution providing physical and mental health services primarily for human in-patient medical or surgical care for the sick or injured, including related facilities such a laboratories, out-patient services, training facilities, central service facilities, and staff offices.

Hotel or Motel. A building or group of buildings containing in combination ten or more lodging units intended primarily for rental or lease to transients by the day of week, as distinguished from ~~residence halls~~ rooming house, in which occupancy is generally by residents rather than transients.

Junkyard. The use of any land whether inside or outside of a building for the purpose of parking, storage, disassembly, demolition, sale or abandonment of junk, including scrap metals, or other scrap materials, wastepaper, rags, used building materials, old household appliances, junked, wrecked, or inoperative automobiles or other vehicles, or machinery or parts thereof, and similar materials. The term "junkyard" shall not be deemed to include outside storage.

Kennel. Any lot or premises on which four or more domesticated animals more than four months of age are housed, groomed, bred, boarded, trained, or sold.

Landfill. Land used for the disposal of waste, excluding hazardous waste.

Loading, Off-Street. Space located outside of any street right-of-way or easement and designed to accommodate the temporary parking of vehicles used for bulk pickups and deliveries.

Lodging Unit. A room or group of rooms forming a separate habitable unit used or intended to be used for living and sleeping purposes by one family only, without independent kitchen facilities; or a separate habitable unit, with or without independent kitchen facilities, occupied or intended to be occupied by transients on a rental or lease basis for periods of less than one week.

Lot. Land bounded by lines legally established for the purpose of property division. As used in this Chapter, unless the context indicates otherwise, the term refers to a zoning lot.

Lot Line. A line that marks the boundary of a lot.

Lot Line, Interior. Any lot line that is not a street lot line; a lot line separating a lot from another lot.

Lot Line, Street. Any lot line separating a lot from a street right-of-way or general access easement. Where a lot line is located within such street right-of-way or easement, the right-of-way or easement boundary adjacent to the lot shall be considered the street lot line.

Lot of Record. A lot which is part of a subdivision, the plat of which has been recorded in the Office of the Clerk of the Circuit Court of Hillsborough County, or any parcel of land whether or not of a subdivision that has been officially recorded by a Deed in the Office of the Clerk, provided such lot was of a size which met the minimum dimensions for lots in the district in which it was located at the time of recording.

Lot Width. The horizontal distance measured along a straight line connecting the points at which a line demarcating the minimum front yard ~~street setback required from a street lot line~~ intersect with interior lot lines or other street lot lines.

Lot, Zoning. A lot or combination of lots shown on an application for a Zoning Compliance Permit which together meet all applicable requirements for development.

Maintenance of Storage Facility. Land, building, or structure devoted primarily to the maintenance and/or storage of equipment and materials.

Major Street Map. A map depicting the arterial streets and collector streets within the City of Tampa.

Manufacturing, Light. An establishment whose principal purpose is the assembly, blending, extraction, preparation, processing, packaging and testing of materials and products, such as, food canning, electronics, auto parts, appliances, photographic labs, stone works, woodyards, machine shops, ceramics, sawmills, blacksmiths. Such uses shall not emit noise, vibration, dust, odor or pollutants.

Manufacturing, Heavy. An establishment whose principal purpose is the mechanical or chemical transformation of materials or substances into new products, but may emit noise, vibration, dust, odor or pollutants. Such uses shall include, but not be limited to, assembly, extraction, preparation, processing,

packaging, bulk storage and testing of potentially noxious or hazardous materials or products, such as, chemicals, gases, cement, explosives, fertilizers, fish curing, paper/pulp, petroleum/fuels, wastes, garbage or other refuse, rendering, tannery, animal stockyards or slaughter houses.

Marina. A facility for storing, berthing, securing and launching of private pleasure craft which may also include the sale of fuel and incidental supplies and minor repairs.

Mobile Homes. A single portable manufactured housing unit, or a combination of two or more such units connected on-site, that is:

(a) Designed to be used for living, sleeping, santitation, cooking, and eating purposes by one family only and containing independent kitchen, sanitary, and sleeping facilities;

(b) Designed so that each housing unit can be transported on its own chassis;

(c) Placed on a temporary or semi-permanent foundation; and

(d) Is over thirty-two feet in length and over eight feet in width.

Mobile Home Park. A combination of ten or more mobile homes on a single zoning lot.

Nonconformities. Those characteristics of the property, structure or use which are not permitted in the Schedule of Permitted Uses or do not conform to the Schedule of Area, Height, Bulk and Placement regulations or other provisions of this Chapter, but were legal at the time they were established.

~~Nonconformity. The following constitutes nonconformities: (a) Lots.~~

~~(b) Uses of land without structures or minor structures only.~~

~~(c) Uses of major structures and premises.~~

~~(d) Structures; and~~

~~(e) Characteristics of use which were lawful but would be prohibited, regulated or restricted by the enactment of this Chapter or a subsequent amendment thereto.~~

~~Nonconformity may also be created where lawful public taking or actions pursuant to a court order have the same effect as violations of this Chapter, if undertaken privately. (See Article XII)~~

Non-Profit Community Use/Community Clubs/Centers/Meeting Halls/Including Boys'/Clubs and Girls'/Golf Clubs/Swimming Clubs/Tennis Clubs and other Non-Profit Private Social Use/Uses Where Membership May Be Limited to Residents of Adjacent Residential Areas

Nursing, Convalescent and Extended Care Facility. Any facility which provides nursing services ad defined in Chapter 464 of the Florida Statutes. Facility means any institution, building, residence, private home, or other place, whether operated for profit or not, including those places operated by a county or municipality, which undertakes through its ownership or management to provide nursing care, personal care, or custodial care for more than twenty persons not related to the owner or manager by blood or marriage, who by reason of illness, physical infirmity, or advanced age require such services, but shall not include any place providing care and treatment primarily for the acutely ill.

Office/Business/Service/An/establishment offering primarily/services to the business community and to individuals/Such/services would include/by/way/of illustration/but/not limitation/accounting/brokerage/insurance/advertising/employment services/real estate/services/and other taking/

Office/Professional/Service/An/establishment/which/which practitioner(s)/of/a/calling/or/vocation/in/which/a/knowledge/of some/department/of/science/or/learning/is/used/in/its/application to/the/affairs/of/others/Such/activities/would/include/by/way of/illustration/but/not/limitation/physician/lawyer/dentist/ architect/engineer/interior/decorator/and/psychologist/

Office, Business or Professional. An establishment offering services or knowledge to the business community or to individuals. Such activities would include, by way of illustration, accounting, brokerage, insurance, advertising, employment services, real estate services, physician, lawyer, dentist, architect and psychologist.

Parking, Accessory. Space located outside of any street right-of-way or easement and designed to accommodate the parking of motor vehicles on the same zoning lot as the principal use.

Parking, Principal. Any garage or surface level lot used as the principal use of the property, whether it operates for commercial or private purposes.

Parking, Temporary Lot. An area or portion of a lot located outside of any public right-of-way or easements used during the construction or reconstruction of a building project to park motor vehicles of employees, tenants, guests, patrons, consruction workers, or other like visitors whenever the off-street parking required by this Chapter cannot be provided or is displaced for a temporary period of time due to the construction or reconstruction.

X - Permitted Principal Use
S1 - Special Use - Zoning Administrator Review
S2 - Special Use - City Council Review
A - Permitted Accessory Use
B - Board of Adjustment Review
Blank - Prohibited Use

TABLE 4-1
SCHEDULE OF PERMITTED USES BY DISTRICT

USES	RS-150	RS-100	RS-75	RS-60	RS-50	RM-12	RM-16	RM-24	RM-35	RM-50	RM-75	RO	RO-1	OP	OP-1	CN	CG	CI	IG	IH	MAP-1	MAP-2	MAP-3	MAP-4	PP
USE GROUP A																									
Adaptive Reuse	S2	S2	S2	S2	S2	S2	S2	S2	S2	S2	S2	S2	S2												
Agriculture, Non-Live Stock																				X		X	X	X	
Bed & Breakfast						S2	S2	S2	S2	S2	S2					X	X								
Cemetery	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	X	X	X	X	X	X	X	X	X					
Congregate Living Facilities:																									
Adult Family Homes	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1										
Group Care Facility	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1										
Emergency Shelter						S1	S1	S1	S1	S1	S1		S1	S1	S1		S1	S1							
Emergency Shelter Home	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1		S1	S1							
Foster Care Home	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1										

USES	RS-150	RS-100	RS-75	RS-60	RS-50	RM-12	RM-16	RM-24	RM-35	RM-50	RM-75	RO	RO-1	OP	OP-1	CN	CG	CI	IG	IH	MAP-1	MAP-2	MAP-3	MAP-4	PP
Use Group A (Cont)																									
Dwelling, Multiple Family						S1	S1	X	X	X	X		S1	S1	S1	S1	S1	S1							
Dwelling, Single Family, Detached	X	X	X	X	X	X	X	X	X	X	X	X	X	S1	S1	S1	S1	S1							
Dwelling, Single Family, Semi-Detached						X	X	X	X	X	X		X	X	X										
Dwelling, Single Family, Attached						X	X	X	X	X	X		S1	S1	S1	S1	S1	S1							
Dwelling, Two Family						X	X	X	X	X	X		X	X	X										
Home Occupation	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B							
Private Pleasure Craft Used as Residence	S2	S2	S2	S2	S2	S2	S2	S2	S2	S2	S2														
Professional Residential Facility:																									
Recovery Home A							S2	S2	S2	S2	S2		S2	S2	S2		S2	S2							
Recovery Home B								S2	S2	S2	S2		S2	S2	S2		S2	S2							
Residential Treatment Facility								S2	S2	S2	S2		S2	S2	S2		S2	S2							
Life Care Treatment Facility								S2	S2	S2	S2		S2	S2	S2										

USES	RS-150	RS-100	RS-75	RS-60	RS-50	RM-12	RM-16	RM-24	RM-35	RM-50	RM-75	RO	RO-1	OP	OP-1	CN	CG	CI	IG	IH	MAP-1	MAP-2	MAP-3	MAP-4	PP
USE GROUP B																									
Accessory Use to a Permitted Principal or Special Group B Use													A	A	A	A	A	A	A	A	A	A	A	A	
Churches	S2	S2	S2	S2	S2	S2	S2	X	X	X	X	S1	X	X	X	X	X	X							
Clinic														X	X	X	X	X					X	X	
Club															X	X	X	X	X						
Colleges														X	X		X	X							
Day Care & Nursery Facility								S1	S1	S1	S1	S1	S1	S1	X	S1	X	X	X						
Day Care & Nursery Facilities (numbers limited to 5 Children)	S1	S1	S1	S1	S1	S1	S1	X	X	X	X	X	X	X	X	X	X	X	X						
Fraternity or Sorority														X	X		X	X							
Funeral Parlor													X	X	X		X	X							
Hospitals and Associated Uses															X		X	X							
Hotels and Motels															X		X	X				X		X	
Public Cultural Facility														X	X	X	X	X							

USES	RS-150	RS-100	RS-75	RS-60	RS-50	RM-12	RM-16	RM-24	RM-35	RM-50	RM-75	RO	RO-1	OP	OP-1	CN	CG	CI	IG	IH	MAP-1	MAP-2	MAP-3	MAP-4	PP
Rooming House								S2	S2	S2	S2														
School	S2	S2	S2	S2	S2	X	X	X	X	X	X	S2	X	X	X		X	X							
School, Vocational																	X	X	X						
School, Business														X	X		X	X	X						
School, Trade																		X	X	X					
USE GROUP C																									
Accessory Use to a Permitted Principal or Special Group C Use												A	A	A	A	A	A	A	A	A	A				
Adult Uses																		S1	S1	S1					
Airports																					X	X		X	
Airport Related Uses																					X	X	X	X	
Appliance & Equipment Repair																	X	X	X	X	X	X	X	X	
Bank														X	X	X	X	X	X		X	X	X	X	
Bank, Drive-In														X	X		X	X	X		X	X	X	X	
Bar & Lounge																	X	X	X						
Blood Donor Center																		S2	S2						

USES	RS-150	RS-100	RS-75	RS-60	RS-50	RM-12	RM-16	RM-24	RM-35	RM-50	RM-75	RO	RO-1	OP	OP-1	CN	CG	CI	IG	II	MAP-1	MAP-2	MAP-3	MAP-4	PP
Use Group C (Cont)																									
Bottle Clubs																	X	X	X						
Catering Shop																X	X	X	X		X	X	X	X	
Cigar Factory																	X	X	X	X					
Crematorium																		X	X	X					
Drive-In Window														S1	S1		S1	S1	S1		S1	S1	S1	S1	
Dry Cleaning Plant																		X	X	X	X	X	X	X	
Heliport, Helistop														A	A		X	X	X	X	X			X	
Junkyard																			X	X					
Kennel																		X	X	X	X	X	X	X	
Landfill																				X					
Maintenance or Storage Facility																		X	X	X	X	X	X	X	
Manufacturing, Heavy																			X	X	X	X	X	X	
Manufacturing, Light																		X	X	X	X	X	X	X	
Marina																	X	X	X	X	X	X	X	X	
Nursing, Convalescent & Extended Care Facility								S1	S1	X	X		S1	S1	X		X	X							

USES	RS-150	RS-100	RS-75	RS-60	RS-50	RM-12	RM-16	RM-24	RM-35	RM-50	RM-75	RO	RO-1	OP	OP-1	CN	CG	CI	IG	IH	MAP-1	MAP-2	MAP-3	MAP-4	PP
Use Group C (Cont)																									
Office, Business & Professional												X	X	X	X	X	X	X	X	X	X	X	X	X	
Parking, Off Street Principal Use															S1		S1	S1	S1	S1	S1	S1	S1	S1	
Parking, Off Street Accessory Use [1]						A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	A	
Parking, Temporary	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	
Personal Services								A	A	A	A		A	X	X	X	X	X			S1	S1	S1	S1	
Pharmacy												A	A	A	A	X	X	X							
Place of Assembly																	X	X							
Printing, Light														A	A		X	X	X	X	A	A	A	A	
Printing & Publishing																		X	X	X	X	X	X	X	
Public Service Facility	S2	S2	S2	S2	S2	S2	S2	S2	S2	S2	S2	S2	S2	S2	S2	X	X	X	X	X	X	X	X	X	
Public Use Facility	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Radio/ Television Studio															X		X	X	X				X	X	
Radio/ Television Transmitter Site	S2	S2	S2	S2	S2	S2												S2	S2	S2			X	X	

USES	RS-150	RS-100	RS-75	RS-60	RS-50	RM-12	RM-16	RM-24	RM-35	RM-50	RM-75	RO	RO-1	OP	OP-1	CN	CG	CI	IG	IH	MAP-1	MAP-2	MAP-3	MAP-4	PP
Use Group C (Cont)																									
Recreation Facility, Commercial														X	X		X	X	X						
Recreation Facility, Private	S1	S1	S1	S1	S1	S1	S1	X	X	X	X	S1	X	X	X	X	X	X	X	X			X	X	X
Research Activity														X	X		X	X	X	X	X	X	X	X	
Restaurant															X	X	X	X	X			X		X	
Restaurant, Drive-In																	X	X	X	X		X		X	
Retail Sales, Convenience Goods																X	X	X	X		S1	S1	S1	S1	
Retail Sales, Distilled Beverages																	X	X	X						
Retail Sales, Shopper's Goods																	X	X	X						
Retail Sales, Specialty Goods																X	X	X	X						
Service Station																S1	S1	S1	S1		S1	S1	S1	S1	
Storage, Open																		A[2]	X	X					
Temporary Help Agency																		S2	S2						
Temporary Special Events	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	S1	

USES	RS-150	RS-100	RS-75	RS-60	RS-50	RM-12	RM-16	RM-24	RM-35	RM-50	RM-75	RO	RO-1	OP	OP-1	CN	CG	CI	IG	IH	MAP-1	MAP-2	MAP-3	MAP-4	PP
Use Group C (Cont)																									
Transportation Service Facility																		X	X	X	X		X	X	
Utility Transmission Site	S2	S2	S2	S2	S2	S2												S2	S2	S2					
Vehicle Repair																		X	X	X	X	X	X	X	
Vehicle Sales and Leasing																		X	X	X	X	X	X	X	
Vermin Control & Related Services																	X	X	X	X					
Veterinary Office																	X	X	X	X	X	X	X	X	
Warehouse & WholeSale Trade																		X	X	X	X	X	X	X	
Warehouse, Mini																		X	X	X					

? See Section 43A-86 for Buffering Requirments for Open Storage.

. See Section 43A-72 for Accessory Parking Requirements.

LAND USE REFERENCES

VACATINGS OF R-W & EASEMENT

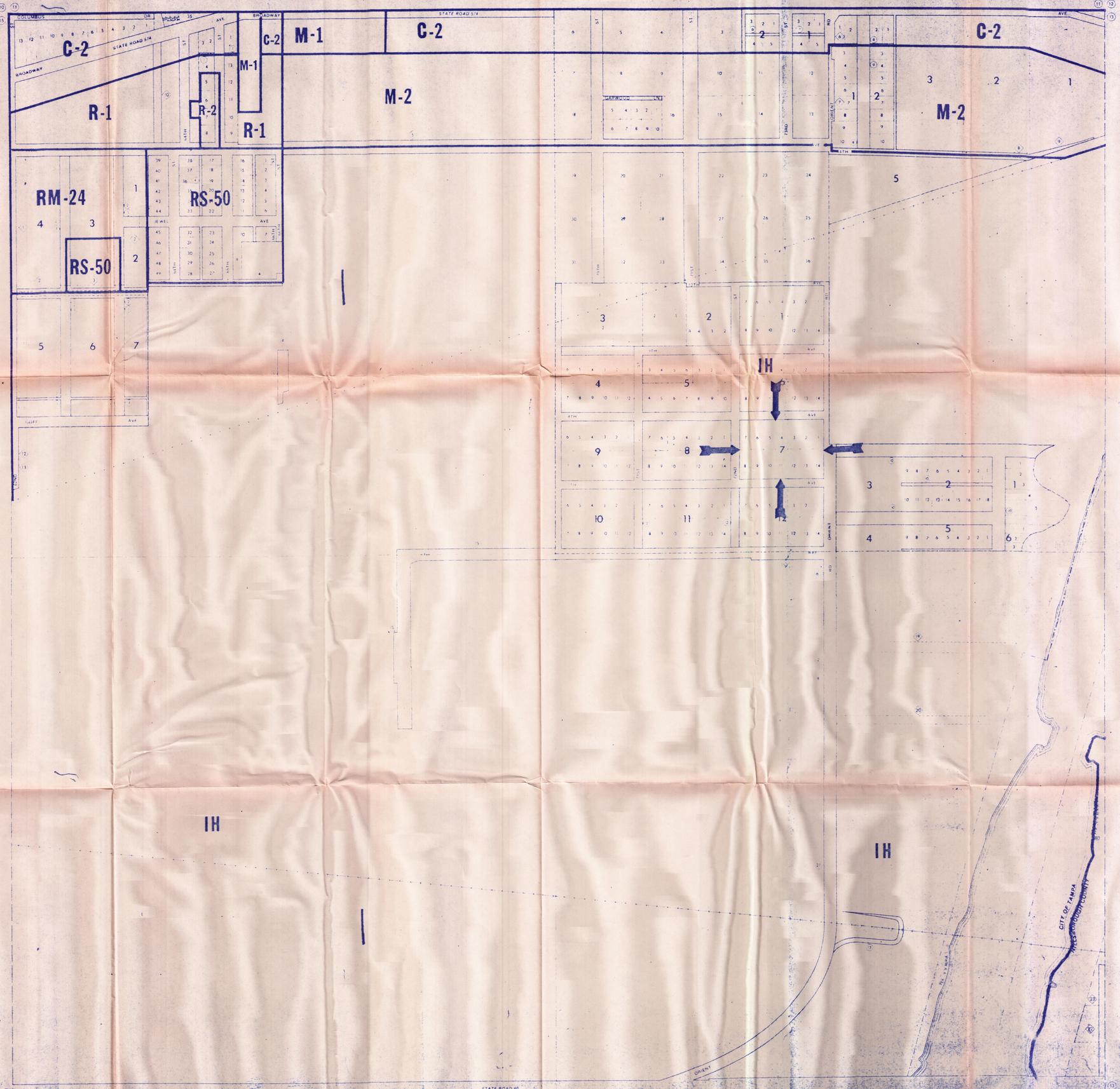
ACQUISITIONS OF R-W & EASEMENT

CITY PROPERTIES

SMALL SUBDIVISIONS

NOTE
THE CITY MAKES NO WARRANTY EXPRESSED OR IMPLIED AS TO THE ACCURACY OF THE DETAILS SHOWN ON THIS MAP OR OF THE REPRODUCTION THEREOF.
ORIGINAL MAPS ARE THE PROPERTY OF THE CITY OF TAMPA AND ARE NOT FOR REPRODUCTION IN PART OR ENTIRETY IN ANY FORM BY OTHERS UNLESS SPECIFICALLY AUTHORIZED BY THE CITY.

REVISED
BY _____ 19__



CITY OF TAMPA, FLORIDA
RIGHT-OF-WAY & MAPPING DIVISION
DEPARTMENT OF HOUSING INSPECTIONS AND COMMUNITY SERVICES

SEC 14 T29S - R19E 1-17

ATTACHMENT 13

Requested Waste Codes For Storage/Treatment

D001 - D017

F001 - F012
F020 - F024

K001 - K011
K013 - K052
K060 - K062
K069
K071
K073
K083
K084
K085
K087
K093
K106

P001 - P018
P020 - P024
P026 - P031
P033 - P034
P036 - P051
P054
P056 - P060
P062 - P078
P081
P082
P084
P085
P087 - P089
P092 - P099
P101 - P116
P118 - P123

U001 - U012
U014 - U039
U041 - U053
U055 - U064
U066 - U099
U101 - U103
U105 - U174
U176 - U194
U196 - U197
U200 - U212
U213 - U223
U225 - U228
U230 - U240
U242 - U244
U246 - U249

ATTACHMENT 14
ANTICIPATED ANNUAL HAZARDOUS WASTE VOLUMES

Process Code	EPA Hazardous Waste Number	Waste Type	Estimated Annual Quantity
S01;OTHER	D001	Ignitible	100,00 gallons
S01;OTHER	D002	Corrosive	25,000 gallons
S01;OTHER	D003	Reactive	5,000 gallons
S01;OTHER	D004 thru D017	E.P. Toxic	60,000 gallons
S01;OTHER	F001 & F002	Halogenated Solvents	100,000 gallons
S01;OTHER	F003 & F005	Non-Halogenated Solvents	Included in D001
S01;OTHER	F004	Non-Halogenated Solvents	10,000 gallons
S01;OTHER	F006	Electroplating Sludges	Included in D003 thru D017
S01;OTHER	F007 thru F012	Electroplating Wastes	Included in D003
S01;OTHER	F020 thru F024	HCL Manufacturing	1,000 gallons
S01;OTHER	K002 thru K008	Inorganic Pigments	3,000 gallons
S01;OTHER	K009 thru K011 K013 thru K030 K093 thru K096 K083 & K085 K103 thru K105	Organic Chemicals	1,500 gallons
S01;OTHER	K071;K073;K106	Inorganic Chemicals	600 gallons
S01;OTHER	K031 thru K043 K097 thru K099	Pesticides	1,500 gallons
S01;OTHER	K048 thru K052	Petroleum Refining	8,000 gallons
S01;OTHER	K062	Iron and Steel	10,000 gallons
S01;OTHER	K069 & K100	Secondary Lead	1,500 gallons
S01;OTHER	K084;K101;K102	Veterinary Pharmaceuticals	1,500 gallons
S01;OTHER	K086	Ink Formulation	20,000 gallons
S01;OTHER	K060 & K087	Coking	1,500 gallons
S01;OTHER	"P" listed waste	Acute Hazardous Wastes	4,000 gallons
S01;OTHER	"U" listed waste	Toxic Wastes	20,000 gallons

TOTAL: 377,100 gallons/year or
6856 fifty five gallon drums at 260 working days/year.
This equals 26 drums/day entering the facility.

ATTACHMENT 15

Attachment 15 is the Universal Waste & Transit Closure Plan and is located in Volume 1 of this submittal.

ATTACHMENT 16

Carlisle Fields & Co
INSURANCE

November 9, 1987

Mr. Robert Bedore, Pres.
Universal Waste & Transit, Inc.
7217 Gulf Blvd.
Suite 7
St. Petersburg, FL 33706

Dear Mr. Bedore:

We are in the process of obtaining quotations on your behalf for the liability insurance required for hazardous waste transportation, storage, and treatment. We will advise you as soon as these quotations are made available to us.

Sincerely,

Pat A. Carlisle, Pres.
CARLISLE, FIELDS & CO.

PAC:tk

ATTACHMENT 16

Mr. Pat Carlisle
Carlisle - Fields & Co.
1171 Lakeview Road
Clearwater, Fl. 33516

Dear Pat,

Enclosed please find the following:

1. Pollution Legal Liability Application
2. Supplemental Application

Please note that these applications were completed to the best of our knowledge. However, we are still in the very early start-up phases of this Corporation.

Our intent is to solicit cost estimates and commitments for the facility as well as for the transportation aspects of this operation. As additional information is obtained, it will be submitted to you.

Thank you for your assistance.

Very truly yours,

Robert J. Bedore
President

RJB/ssb
Enclosures

Please print or type with ELITE type *(12 characters per inch)* in the unshaded areas only

Form Approved. OMB No. 2050-0028. Expires 9-30-88.
GSA No. 0246-EPA-OT

United States Environmental Protection Agency
Washington, DC 20460

EPA Notification of Hazardous Waste Activity

Please refer to the *Instructions for Filing Notification* before completing this form. The information requested here is required by law *(Section 3010 of the Resource Conservation and Recovery Act)*.

For Official Use Only

Comments: C C

Installation's EPA ID Number: C F — T/A: C 1

Approved:

Date Received *(yr. mo. day)*:

I. Name of Installation

C: UNIVERSAL WASTE & TRANSIT INC

II. Installation Mailing Address

Street or P.O. Box: C 3: 7217 GULF BLVD STE 7

City or Town: C 4: ST PETERSBURG BEACH

State: FL

ZIP Code: 33706

III. Location of Installation

Street or Route Number: C 5: 7217 GULF BLVD STE 7

City or Town: C 6: ST PETERSBURG BEACH

State: FL

ZIP Code: 33706

IV. Installation Contact

Name and Title *(last, first, and job title)*: C 2: BEDORE ROBERT PRES

Phone Number *(area code and number)*: 8135761534

V. Ownership

A. Name of Installation's Legal Owner: C R: ROBERT BEDORE

B. Type of Ownership *(enter code)*: P

VI. Type of Regulated Waste Activity *(Mark 'X' in the appropriate boxes. Refer to instructions.)*

A. Hazardous Waste Activity

- [X] 1a. Generator
- [ ] 1b. Less than 1,000 kg/mo.
- [X] 2. Transporter
- [ ] 3. Treater/Storer/Disposer
- [ ] 4. Underground Injection
- [ ] 5. Market or Burn Hazardous Waste Fuel *(enter 'X' and mark appropriate boxes below)*
  - [ ] a. Generator Marketing to Burner
  - [ ] b. Other Marketer
  - [ ] c. Burner

B. Used Oil Fuel Activities

- [ ] 6. Off-Specification Used Oil Fuel *(enter 'X' and mark appropriate boxes below)*
  - [ ] a. Generator Marketing to Burner
  - [ ] b. Other Marketer
  - [ ] c. Burner
- [ ] 7. Specification Used Oil Fuel Marketer *(or On site Burner)* Who First Claims the Oil Meets the Specification

VII. Waste Fuel Burning: Type of Combustion Device *(enter 'X' in all appropriate boxes to indicate type of combustion device(s) in which hazardous waste fuel or off-specification used oil fuel is burned. See instructions for definitions of combustion devices.)*

- [ ] A. Utility Boiler
- [ ] B. Industrial Boiler
- [ ] C. Industrial Furnace

VIII. Mode of Transportation *(transporters only — enter 'X' in the appropriate box(es)*

- [ ] A. Air
- [ ] B. Rail
- [X] C. Highway
- [ ] D. Water
- [ ] E. Other *(specify)*

IX. First or Subsequent Notification

Mark 'X' in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your installation's EPA ID Number in the space provided below.

- [X] A. First Notification
- [ ] B. Subsequent Notification *(complete item C)*

C. Installation's EPA ID Number:

ID — For Official Use Only														
C													T/A	C
W														1

X. Description of Hazardous Wastes *(continued from front)*

A. Hazardous Wastes from Nonspecific Sources. Enter the four-digit number from 40 *CFR* Part 261.31 for each listed hazardous waste from nonspecific sources your installation handles. Use additional sheets if necessary.

1	2	3	4	5	6
7	8	9	10	11	12

B. Hazardous Wastes from Specific Sources. Enter the four-digit number from 40 *CFR* Part 261.32 for each listed hazardous waste from specific sources your installation handles. Use additional sheets if necessary.

13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30

C. Commercial Chemical Product Hazardous Wastes. Enter the four-digit number from 40 *CFR* Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

31	32	33	34	35	36
37	38	39	40	41	42
43	44	45	46	47	48

D. Listed Infectious Wastes. Enter the four-digit number from 40 *CFR* Part 261.34 for each hazardous waste from hospitals, veterinary hospitals, or medical and research laboratories your installation handles. Use additional sheets if necessary.

49	50	51	52	53	54

E. Characteristics of Nonlisted Hazardous Wastes. Mark 'X' in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles. *(See 40 CFR Parts 261.21 — 261.24)*

☒ 1. Ignitable *(D001)*   ☒ 2. Corrosive *(D002)*   ☒ 3. Reactive *(D003)*   ☒ 4. Toxic *(D000)*

XI. Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted 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	Name and Official Title *(type or print)*	Date Signed
[signature]	Robert J. Bedore Pres.	9-11-87

HAZARDOUS WASTE ANTICIPATED

F001 - F012
F020 - F024
F026 - F028

K001 - K011
K013 - K052
K060 - K062
K069
K071
K073
K083
K084
K085
K087
K093
K106

P001 - P018
P020 - P024
P026 - P031
P033 - P034
P036 - P051
P054
P056 - P060
P062 - P078
P081
P082
P084
P085
P087 - P089
P092 - P099
P101 - P116
P118 - P123

U001 - U012
U014 - U039
U041 - U053
U055 - U064
U066 - U099
U101 - U103
U105 - U174
U176 - U194
U196 - U197
U200 - U212
U213 - U223
U225 - U228
U230 - U240
U242
U243
U244
U246
U247
U248
U249

UNIVERSAL WASTE & TRANSIT, INC.

7217 Gulf Blvd., Suite 7
St. Petersburg Beach, FL 33706
(813) 576-1534

UNIVERSAL WASTE & TRANSIT, INC.

Balance Sheet

September 22, 1987

ASSETS

Current Assets - Cash	$ 61,815.
Deferred Charges - Accounting	7,500.
Advances & Acquisition Costs (incurred in connection with purchase of land)	30,685.
	$100,000.

LIABILITIES & STOCKHOLDERS' EQUITY

Stockholders' Equity:	
Common Stock: $.001 par value	
Authorized 5,000,000 shares;	
issued and outstanding 1,000,000 Shares	$ 1,000.
additional paid in capital	99,000.
	$100,000.

HAZARDOUS WASTE ANTICIPATED

F001 - F012
F020 - F024
F026 - F028

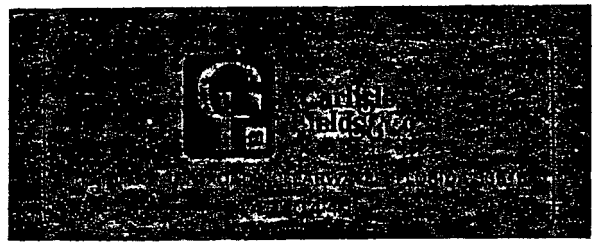
K001 - K011
K013 - K052
K060 - K062
K069
K071
K073
K083
K084
K085
K087
K093
K106

P001 - P018
P020 - P024
P026 - P031
P033 - P034
P036 - P051
P054
P[illegible] - P060
P062 - P078
P081
P082
P084
P085
P087 - P089
P092 - P099
P101 - P116
P118 - P123

U001 - U012
U014 - U039
U041 - U053
U055 - U064
U066 - U099
U101 - U103
U105 - U174
U176 - U194
U196 - U197
U200 - U212
U213 - U223
U225 - U228
U230 - U240
U242
U[illegible]
U244
U246
U247
U248
U249

ECS
721 East Lancaster Avenue
Downingtown, PA 19335
(215) 269-6731
800-ECS-1414
(outside Pennsylvania)

ENVIRONMENTAL
COMPLIANCE
SERVICES, INC.



POLLUTION LEGAL LIABILITY APPLICATION
(Include 10K report, annual report, and flow chart of process if available.)

THIS IS AN APPLICATION FOR A **CLAIMS MADE** POLICY

1. NAMED INSURED: (Include All Subsidiary Companies to be Covered) Universal Waste and Transit, Inc.

EPA IDENTIFICATION NUMBER(S): Applies for

POST OFFICE ADDRESS: 7217 Gulf Blvd, Suite 7
St. Petersburg Beach, Florida 33706

LOCATIONS TO BE COVERED:
7208 - 9th Avenue
Tampa, Florida

2. NAMED INSURED IS:
☐ Partnership ☒ Corporation ☐ Joint Venture ☐ Other

3. HOW LONG HAS THE NAMED INSURED BEEN IN BUSINESS? 3 months

4. SALES:
A. ESTIMATED (Ensuing Year): 250,000

B. LAST 5 YEARS: 19 N/A 19 ____ 19 ____ 19 ____ 19 ____

5. DESCRIBE THE PAST USES OF THE LOCATION(S), INCLUDING ANY INACTIVE OR CLOSED LAND-FILLS OR SURFACE IMPOUNDMENTS:
Leased undeveloped land
No prior uses

6. DESCRIBE THE FACILITY OPERATIONS. INCLUDE MANUFACTURING OR PRODUCTION PROCESSES AND ANY WASTE TREATMENT OR DISPOSAL ACTIVITIES. (ATTACH A SITE DIAGRAM OUTLINING BUILDINGS, STORAGE AREAS, TANKS, ETC.):
Proposed facility will be used as a hazardous waste storage and treatment facility. No activities currently occur on-site

7. PLEASE LIST: A. RAW MATERIALS USED AT LOCATION:
B. PROCESS MATERIALS USED AT LOCATION:
(Plating agents, degreasers, heat treating agents, cleaning solvents, etc.)
(Please use additional sheet if space provided is insufficient.)

	QUANTITY OF MATERIAL			METHOD OF STORAGE	
DESCRIPTION	PER YEAR	ANY ONE TIME	DRUM	UNDERGROUND TANK	ABOVEGROUND TANK
N/A					

8. HAS THERE BEEN ANY CHANGE IN PROCESS DURING THE LAST 5 YEARS THAT HAS ALTERED (LESSENED OR INCREASED) THE RISK OF POLLUTION LIABILITY? ☐ YES ☒ NO

IF SO, GIVE DETAILS: _____

9. DO YOU HAVE AN ENVIRONMENTAL SAFETY COMMITTEE OR ANY EMPLOYEES VESTED WITH SPECIFIC RESPONSIBILITY FOR ENVIRONMENTAL CONTROL? ☐ YES ☒ NO

IF SO, DESCRIBE THEIR DUTIES AND TO WHOM THEY REPORT: _____

10. ARE THERE ANY STATUTES, STANDARDS, OR OTHER CITY, STATE AND FEDERAL REGULATIONS RELATING TO THE PROTECTION OF THE ENVIRONMENT WHICH APPLY TO ANY LOCATION WITH WHICH YOU CANNOT AT PRESENT COMPLY? ☐ YES ☒ NO

IF SO, GIVE DETAILS: _____

11. EFFLUENT TREATMENT AND DISCHARGE:

COMPOSITION	TREATMENT PROCESS	DISCHARGE TO	HOW MANY YEARS	QTY/YR
N/A				

12. SEMI-SOLID AND SOLID WASTE DISPOSAL:

A. ON-SITE DISPOSAL (LANDFILL, SURFACE IMPOUNDMENT, DEEPWELL INJECTION, ETC.)

COMPOSITION	QTY/YR	DISPOSAL METHOD	EPA/STATE PERMITTED
No on-site disposal will be performed			

FOR LANDFILLS OR SURFACE IMPOUNDMENTS, INDICATE SIZE, TYPE OF LINER, ANY MONITORING WELLS, LEACHATE COLLECTION.

B. OFF-SITE DISPOSAL.

COMPOSITION	ON-SITE STORAGE METHOD	LENGTH OF STORAGE	QTY/YR	DISPOSAL FACILITY
off site disposal to be developed after				
permit issuance				

13. TRANSPORTER INFORMATION:

	1	2	3
NAME OF WASTE HAULER	Universal waste & transit Inc		
EPA ID #	Applies for		
STATE ID #			

14. AIR EMISSIONS:

NATURE:		COMPOSITION:
TOXIC GASES & VAPORS	No Air	emissions
IRRITANT GASES		
MALODOROUS GASES & VAPORS	No Air	permit requires
ASPHYXIANTS		
AEROSOLS		
DUST & ASH		

VOLUME PER YEAR (WHERE KNOWN) _____

DESCRIBE METHODS & EQUIPMENT USED FOR COLLECTION AND TREATMENT OF POLLUTING AIR EMISSIONS: _____

15. THE LOCATION'S SURROUNDING ENVIRONMENT:
A. PLEASE DESCRIBE THE PROPERTIES IMMEDIATELY ADJACENT TO THE LOCATION(S) TO BE COVERED: All surrounding propeerty zones heavy industrial

B. PLEASE DESCRIBE THE NATURE OF OTHER INDUSTRIES LOCATED WITHIN A RADIUS OF 3 MILES:
heavy industrial / light industrial

16. ADDITIONAL INFORMATION:
A. PLEASE ATTACH THE LATEST MONITORING RESULTS FOR FACILITY EFFLUENT DISCHARGES, AIR EMISSIONS, LANDFILLS OR SURFACE IMPOUNDMENTS. None

B. PLEASE ATTACH A SCHEDULE OF ALL STORAGE TANKS INCLUDING THE FOLLOWING INFORMATION: CAPACITY, AGE, ABOVE OR BELOW GROUND, SPILL CONTAINMENT METHODS, CONTENTS, STEEL OR FIBERGLASS, TYPE OF INVENTORY CONTROL, TESTING METHODS.
None

17. RECORD:
A. HAVE YOU DURING THE LAST 5 YEARS BEEN PROSECUTED FOR CONTRAVENTION OF ANY STANDARD OR LAW RELATING TO THE RELEASE FROM THE LOCATION OF A SUBSTANCE INTO SEWERS, RIVERS, SEA, AIR OR ONTO LAND? ☐ YES ☒ NO

IF SO, GIVE DETAILS: _____

B. PLEASE DESCRIBE ANY POLLUTION CLAIMS DURING THE LAST 5 YEARS

(IF NONE, PLEASE SO STATE): None

C. AT THE TIME OF SIGNING THIS APPLICATION, ARE YOU AWARE OF ANY CIRCUMSTANCES WHICH MAY REASONABLY BE EXPECTED TO GIVE RISE TO A CLAIM UNDER THIS POLICY?
☐ YES ☒ NO
IF SO, GIVE DETAILS: _____

THE APPLICANT REPRESENTS THAT THE ABOVE STATEMENTS AND FACTS ARE TRUE AND THAT NO MATERIAL FACTS HAVE BEEN SUPRESSED OR MISSTATED.

*NOTICE TO N.Y. APPLICANTS:
Any person who knowingly and with intent to defraud any Insurance Company or other person files an application for insurance containing any false information, or conceals for the purpose of misleading, information concerning any false material thereto, commits a fraudulent insurance act, which is a crime.

COMPLETION OF THIS FORM DOES NOT BIND COVERAGE. APPLICANTS ACCEPTANCE OF COMPANY'S QUOTATION IS REQUIRED PRIOR TO BINDING COVERAGE AND POLICY ISSUANCE. IT IS AGREED THAT THIS FORM SHALL BE THE BASIS OF THE CONTRACT SHOULD A POLICY BE ISSUED, AND IT WILL BE ATTACHED TO THE POLICY.

Applicant: _____

By _____ (Title) Date: _____

Agent/Broker Carlisle, Fields & Co.

Address 1171 Lakeview Rd., Clearwater, FL 34616

IF AN ORDER IS RECEIVED, THE APPLICATION IS ATTACHED TO THE POLICY SO IT IS NECESSARY THAT ALL QUESTIONS BE ANSWERED IN DETAIL.

ECS

721 East Lancaster Avenue
Downingtown, PA 19335
(215) 269-6731
800-ECS-1414
(Outside Pennsylvania)

ENVIRONMENTAL
COMPLIANCE
SERVICES, INC.

SUPPLEMENTAL APPLICATION

IMPORTANT NOTICE: ALL questions must be answered. If "none" or "not applicable", so indicate.

PART I: INTRODUCTION/MANAGEMENT/ADMINISTRATION

1. Company Name Universal Waste & Transit, Inc.

☐ Partnership ☒ Corporation ☐ Joint Venture Other _____

Mailing Address 7217 Gulf Blvd., Suite 7

City St. Pete Beach State FL Zip Code 33706

Phone (813 576-1534 / (813) 360-9100

2. Length of time in business three months

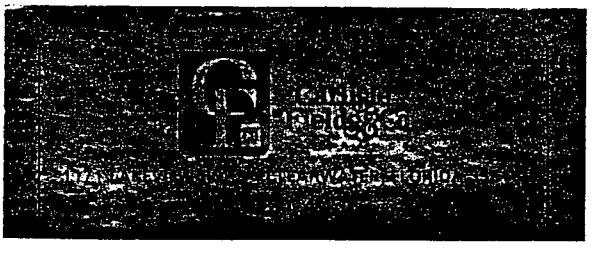
Identify previous owners and describe the past uses of the location(s), including any inactive or closed landfills or surface impoundments. (attach additional sheet if necessary)

land currently leased (Agreement attached)
No previous uses

3. Person(s) responding to survey:

Name Robert Bedore Title President

Name _____ Title _____



4. Attach Resume or statement of qualifications of Key Personnel.

List all Memberships in Trade Associations.

N/A

5. Locations to be covered 7208 - 9th Avenue ; Tampa, FL (facility)
7217 Gulf Blvd, Suite 7; St. Petersburg, FL (office)

6. Provide Number of Employees by Category:

A. Management 1

B. Administration 1

C. Supervisors _____

D. Foremen/Leadmen _____

E. Clerical 1

F. Drivers _____

G. Driver Helpers _____

H. Operators _____

I. Laborers _____

J. Mechanics _____

K. Recovery Technicians _____

L. Technicians _____

M. Technical Specialists _____

N. Other (Describe) _____

TOTAL _____

7. Attach past three years financial statements, including balance sheets and income statements. ATTACH.

8. Record:

A) Have you during the last 5 years been cited for contravention of any standard or law relating to the release from the location of a substance into sewers, rivers, sea, air, or onto land?

☐ Yes ☒ No

If so, give details _____

B) Please describe any incidents during the last 5 years (if none, please so state) _____

C) At the time of signing this application, are you aware of any circumstances which may reasonably be expected to give rise to a claim? ☐ Yes ☒ No

If so, give details _____

9. Is your company operating under a Consent Agreement with any Federal, State or Local Government? If so, give date and reason for Consent Agreement (copy required)

No

PART II: NATURE OF OPERATIONS

1. Utilizing the categories below, what are the company's business activities?
   Note: Sums of columns A & B across must equal 100%.

Category	A % In-House	+	B % Sub-Contracted	= 100%
A. Transportation: Hazardous Waste	30		70	
Non Haz Waste	70		30	
Waste Oil	0		100	
Other	0		0	
Back-Haul	50		50	
B. Treatment/Solidification	40		60	
C. Recycling/Recovery	0		100	
D. Storage	100		0	
E. Disposal	0		100	
F. Cleanup	30		70	
G. Consulting	0		0	
H. Laboratory Testing & Analysis	0		100	
I. Chemical Cleaning	0		0	
J. Pipeline Cleaning	0		0	
K. Sewer/Septic Cleaning	0		0	
L. Boiler/Cooling Tower Cleaning	0		0	
M. Refinery Tank Cleaning	0		0	
N. Other Tank Cleaning	0		100	
O. Hydro Reconditioning	0		0	
P. Drum Reconditioning	0		0	
Q. Soil & Water Testing	0		0	
R. Virgin Chemical	0		0	
Wholesale	0		0	
Storage	0		0	
S. Truck Washing	0		0	
T. Other (specify)	0		0	

PART II: NATURE OF OPERATIONS

1. Utilizing the categories below, what are the company's business activities?
   Note: Sums of columns A & B across must equal 100%.

Category	% Gross Sales	% Business Activity (Payroll)
A. Transportation: Hazardous Waste	10	5
Non Haz Waste	5	5
Waste Oil	3	0
Other	0	0
Back-Haul	5	2
B. Treatment/Solidification	14	29
C. Recycling/Recovery	3	0
D. Storage	29	28
E. Disposal	24	0
F. Cleanup	1	1
G. Consulting	0	0
H. Laboratory Testing & Analysis	0.5	0
I. Chemical Cleaning	0	0
J. Pipeline Cleaning	0	0
K. Sewer/Septic Cleaning	0	0
L. Boiler/Cooling Tower Cleaning	0	0
M. Refinery Tank Cleaning	0	0
N. Other Tank Cleaning	5.5	0
O. Hydro Reconditioning	0	0
P. Drum Reconditioning	0	0
Q. Soil & Water Testing	0	0
R. Virgin Chemical	0	0
Wholesale	0	0
Storage	0	0
S. Truck Washing	0	0
T. Other (specify)	0	30 Office Sales
Total	**100%**	**100%**

8. Please List:

A. Raw Materials used at location:
B. Process Materials used at location:
(Plating agents, degreasers, heat treating agents, cleaning solvents, etc.)
C. Gasoline, Diesel, Fuel Oil, Kerosene, etc.
(Please use additional sheet if space provided is insufficient.)

	QUANTITY OF MATERIAL			METHOD OF STORAGE	
Description	Per Year	Any One Time	Drum	Underground Tank	Aboveground Tank

Provide complete physical description of plant, building, grounds, & appurtenances:

A. Location 1 1-2 Acres of undeveloped land to be permitted as commercial TSD Facility

Length of time at this location land has been leased for approximately six months.

B. Location 2 Approx. 500 square feet of office area

Length of time at this location Approx. three months

Attach site plans, previous insurance surveys or other materials describing physical features of the operation.

Describe owned or leased storage/treatment/disposal/transportation facility:

Size: 1.2 Acres

10,000 Plant Area (square footage)

Storage Capacity: 30,000 gal Bulk: 5,000 gal. # Drums 500

Description of Containment/Storage Area: all exterior doorways are curbed - loading dock fully contained.

Storage Tanks # 1 Size(s) 5000 gal.

If company operates a treatment/recycling facility, indicate type of process utilized and percentage of operations.

Process	Percentage
A. Stills	
B. Distillation	
C. Thermal Separation	
D. Filtration	
E. Separation	
F. Clarifications	
G. Ion Exchange	
H. Solidifications	20
I. Other (describe fully) Bulking	20

3. List all permits held with Federal, State, County or Municipal Governments, including permit numbers and expiration dates.

Permit	Permit Number	Expiration Date
NONE At this time		

Attach additional sheet if necessary.

Attach copy of your EPA permit application Part A.

4. List all ICC and PUC docket numbers.

N/A

5. What percentage of the sub-contractors that you hire:

A. Work under their own permits, rights or authority? 100

B. Work under your permits, rights or authority? 0

C. Do you check required permits for sub-contractors?
Yes ☒ No ☐

6. A. Are updated certificates of insurance from sub-contractors kept on file? Yes ☒ No ☐

B. Are certificates of insurance reviewed?
Yes ☒ No ☐

C. What are the minimum limits of liability you require for your sub-contractors?

Workers' Compensation: AS Requires by State

General Liability: 500,000

Automobile Liability: 100,000

D. Are all sub-contractors hired under a written contract?
Yes ☐ No ☒

E. Do your contracts with sub-contractors contain an indemnification provision? Yes ☐ No ☒
If so, attach copy.

F. Does your company enter into written contracts where **you** assume liability? Yes ☐ No ☒
If so, attach copy of all insurance requirements and indemnification clauses.

G. Describe the nature of work you sub-contract to others:

laboratory analytes

heavy equipment operation

PART III: OPERATIONS REQUIREMENTS

1. What materials are you permitted to transport? (permit applied for)

Materials		Form		Container	
		Liquid	Solid	Bulk	Drums
A. Flammable Liquid		X		X	X
B. Flammable Gas					
C. Flammable Solids			X		X
D. Combustible Liquid		X		X	X
E. Combustible Gas					
F. Combustible Solid			X		X
G. Oxidizers		X	X		X
H. Explosives A B C					
I. Lab Chemicals		X	X		X
J. Lab Packs		X	X		X
K. Etiologic Agents					
L. Corrosive Acid		X		X	X
M. Corrosive Base		X	X	X	X
N. Insecticides		X	X		X
O. Air Reactives		X	X		X
P. Water Reactives		X	X		X
Q. Poisons "A"		X	X		X
R. Poisons "B"		X	X		X
S. Toxic		X	X	X	X
T. Gas Cylinders					
U. Cyanides		X	X		X

Continued

Materials	Form		Container	
	Liquid	Solid	Bulk	Drums
V. Sulfides	X	X		X
W. Radioactives				
X. Waste Oil	X		X	X
Y. Salt Water, Brine,				
Drilling Mud etc.				
Z. Other (Describe)				

Attach a complete list of all materials transported, treated, stored or disposed.

2. List all TSD facilities and provide permit numbers/locations for those facilities currently used by your company. Separately indicate any other facilities you have used since 1980. Attach separate list if necessary.

No facilities currently being used. Impossible to anticipate non-owned facility compliance in the future

will

3. ~~Does~~ your company **select** site of disposal for hazardous waste?
Yes ☒ No ☐

4. List address where records, manifests, inspection reports and personnel records are maintained.

All records will be maintained at the facility in compliance with 40 CFR

5. Who is authorized to sign hazardous waste manifests?

Managerial personnel

a. Is this part of the employee's regular job description?
Yes ☐ No ☒

6. Does company comply with DOT rules with regard to placarding and labeling to properly identify hazardous waste? Yes ☒ No ☐

PART IV: SAFETY

1. Does company have a safety person(s)? Yes ☐ No ☐

   Name: _____

   Address: _____

   Telephone Number: _____

   List qualifications and certifications.

2. Under what condition is personal protective equipment used by your company personnel?

   A. SCBA _____

   B. Cartridge or Canister _____

   C. Respirators _____

   D. Protective Suits _____

   E. Boots _____

   F. Safety Glasses _____

   G. Aprons _____

   H. Gloves _____

   I. Hoods _____

3. Are personnel trained in the use of personal protective equipment? Yes ☒ No ☐
   will
4. ~~Does~~ your company conduct on a regular basis, the following seminars?

   A. Right to Know Yes ☒ No ☐

   B. OSHA Yes ☒ No ☐

   C. RCRA Compliance Yes ☒ No ☐

5. Does company have a medical monitoring program
   Yes ☒ No ☐

   A. Company Doctor: Dr. Haimes

   Address: University of South Florida Medical Center
   Tampa, Florida

   Telephone Number: (813) 974-3770

6. Does company institute the following medical procedures?

A. Pre-employment physicals — Yes ☒ No ☐

B. DOT physical for drivers — Yes ☒ No ☐

C. Baseline physicals for hazardous materials handling — Yes ☒ No ☐

D. Routine follow-up physicals — Yes ☒ No ☐

State intervals: Annually

E. Exposure reports — Yes ☒ No ☐

F. Incident follow-up physicals — if required — Yes ☒ No ☐

G. Exit physicals — Yes ☒ No ☐

7. Indicate the type and length of training given to employees who will be working with hazardous materials for new employees and ongoing employee programs.

Five DAYS

Training Interval (hours, days, etc.)

☐ None

☒ In-house Seminars — Five DAYS

☒ Outside Seminars — AS determined to be necessary

☒ On-the-Job Training — included with in-house seminars

☐ Other (specify) _____

8. Does company have a confined space entry protocol?
Yes ☒ No ☐

9. Does company issue permits to gas free tanks:

A. Prior to welding — Yes ☐ No ☒

B. Prior to entry by individual — Yes ☐ No ☒

Include copy of employee safety and training procedures.

PART V: SPILL CONTINGENCY PLAN

1. Does company have a Notification Plan/Emergency Plan, or other Contingency Plan?

   ☐ Disaster Plan ☒ Evacuation Plan In process of being developed for permit application

   ☐ SPCC Plan ☒ Response Plan

   List the address where plans are filed.

   Florida Dept. of Env. Reg. - Tampa Fire Dept. & HazMat Team
   Local hospital - Coast Guard

2. When was the last time the plan was updated? N/A

3. Has plan been provided to local support groups (e.g. police, fire, hospital)? Yes ☒ No ☐ will be

4. Has plan been reviewed and approved by management?
   Yes ☒ No ☐

   If so, indicate name of person approving: Robert Besore

   Attach copy of Plan(s).

PART VI: VEHICLE MAINTENANCE

1. List locations where company vehicles are decontaminated:

Location 1: 7208 - 9th Avenue
Tampa, Florida

Location 2:

Attach additional sheet if necessary.

2. Describe method of decontamination: Decontamination performed only in the unlikely event of a spill. Decon would be performed as required on a case-by-case basis

3. Does company complete pre-trip and post-trip inspection reports? Yes ☐ No ☒

A. Who reviews these reports?

Attach samples of these reports.

4. How does company handle, store and dispose of used motor oils and other fluids necessary to the operation of your vehicles. Describe fully.

All vehicles are leased under full maintenance contracts

5. Describe any general repair and maintenance performed on your equipment by in-house mechanics.

All vehicles are leased

By outside garages: N/A

6. Describe in full the company's routine and preventative vehicle maintenance program. (Attach additional sheets if necessary.)

N/A

7. Are written records kept in regard to routine and preventative vehicle maintenance? Yes ☐ No ☒

Attach samples of complete records.

Include copy of vehicle maintenance program.

PART VII: DRIVER SELECTION AND TRAINING

1. Indicate driver training and orientation program, including whether program is handled through in-house or outside seminars, on-the-job training, and length of training:

Training Intervals (hours, days, etc.)

☐ None

☒ In-House Seminars 5 DAYS

☒ Outside Seminars AS Required

☒ On-the-Job Training combines with IN-house seminars

☐ Other (specify) _____

2. List the minimum qualifications under which new drivers are hired.

High school degree
DOT certified
No moving violations

3. A. Do you obtain Motor Vehicle Reports (MVRs) on all drivers?

Yes ☒ No ☐

B. How frequently are MVRs re-checked? ANNually

4. Do you keep DOT files on all drivers? Yes ☒ No ☐

5. Describe regular driving safety program. Include copy of regular agenda.

Include full copy of driver training procedure manual.

NOTICE TO NEW YORK APPLICANTS

Any person who knowingly and with intent to defraud any Insurance Company or other person files an application for insurance containing any false information, or conceals for the purpose of misleading, information concerning any false material thereto, commits a fraudulent insurance act, which is a crime.

WARRANTY:

The purpose of the Supplemental Application is to assist the underwriting process and related loss-control activities. Information contained herein is specifically relied upon in determination of insurability. The undersigned, therefore, warrants that the information contained herein is true and accurate to the best of his knowledge, information and belief. It is the responsibility of the undersigned/insured to notify agent or broker in the event of any changes in the information in this application.

Signed: _____

Date: _____

Please check to see that all required attachments are enclosed.

1. Financial Statements	☐
2. Resume of Key Personnel	☐
3. Part A Application	☐
4. Indemnity Agreements	☐
5. List of Materials	☐
6. Employee Safety/Training Manual	☐
7. Spill Plan	☐
8. Copy of Maintenance Program	☐
9. Driver Training Manual	☐

PART IX: CONTRACTORS SUPPLEMENT N/A

I. Describe in detail past cleanup work in which you were involved. (attach additional sheets if necessary) Include the following for **all** work:

A. Describe nature of long term (90 days or over) projects during the past three years:

1. Private or Government Projects N/A

2. Bonded? Yes ☐ No ☒

   If so, Insurance Company _____ Amount of Bond $ _____

3. Length of time you spent on project _____

4. Capacity: General Contractor _____;

   Sub-Contractor _____; Transporter _____;

   Other, describe _____

5. Did you use Sub-Contractors?
   Explain in detail: _____

6. Explain in detail Safety Protocol including who developed it: _____

7. Do you ever make use of casual labor? Yes ☐ No ☐

If so, give details: _____

_____

8. Did your work progress on schedule? Yes ☐ No ☐

If not, why? _____

_____

B. Describe nature of short term (under 90 days) projects: _____

_____

_____

_____

1. Emergency cleanup _____

_____

% of total work performed _____

2. If you perform jobs other than Emergency Spill cleanup answer same questions in A. 1-8. _____

_____

3. Are you under a long term emergency spill cleanup contract? Yes ☐ No ☐

If yes, with whom is contract - include copy _____

If no, do you bid jobs? Explain _____

_____

_____

_____

4. For whom are you listed as a qualified Emergency Response firm? _____

_____

C. Describe in detail Employee Safety Program _____

_____

_____

_____

_____

D. Have you ever or do you expect to perform work on any Superfund Sites? Yes ☐ No ☐

If yes, explain in detail _____

_____

_____

_____

_____

E. Do you ever rent out equipment? Yes ☐ No ☐

If yes, give type of equipment and will it be with or without operator? Explain in detail _____

_____

_____

_____

_____

II. Include a copy of your standard operating procedure.

III. Include a copy of your company statement of qualifications.

IV. A. Have you been insured for Workers' Compensation, General Liability, and Auto Liability during all your jobs? Yes ☐ No ☐

If yes, with whom? _____

_____

B. Describe all claims, losses, or incidents which have or may give rise to a claim related to your performance in a cleanup project: _____

_____

_____

_____

_____

V. Please provide us with any additional information you feel is needed regarding your operation. _____

_____

_____

_____

_____

WARRANTY:

The purpose of this Contractor's Supplemental Application is to assist the underwriting process and related loss-control activities. Information contained herein is specifically relied upon in determination of insurability. The undersigned, therefore, warrants that the information contained herein is true and accurate to the best of his knowledge, information and belief. It is the responsibility of the undersigned/insured to notify agent or broker in the event of any changes in the information in this application.

Signed: _____

Date: _____

ATTACHMENT 17

Attachment 17 is the UW&T Contingency Plan and is located in Volume 2 of this submittal

ATTACHMENT 18

Attachment 18 is the facility diagram and is identified as Drawing S-2 in the map tube.

ATTACHMENT 19

MEDIA	PLASTICS					METALS				ELASTOMERS	
	RYTON	KYNAR	TEFLON	PVC	PP	HAST. C	TITA-NIUM	316 SS	CARB. STEEL	VITON	BUNA N
ACETALDEHYDE	A		A	NR	Q	A	A	A	NR	NR	NR
	CON		CON	CON	CON	98	CON	CON	CON	CON	CON
	200		200	70	70	135	70	200	70	70	70
ACETIC ACID, GLACIAL	A	A/Q	A	A	M	A		A	Q	NR	NR
	CON	CON	CON	CON	CON	97		CON	CON	CON	CON
	200	200	200	80	80	70		180	70	75	70
ACETIC ACID	A	A	A	M	M	A	A	A	NR	A	M
	CON	CON	CON	80	80	60	ALL	60	CON	50	30
	200	200	200	80	80	356	BP	180	70	68	70
ACETIC ANHYDRIDE	A	NR	A	NR	NR	A	A	A	Q	NR	NR
	CON	CON	CON		ALL	ALL	100	90	CON	CON	CON
	200	200	200	70	70	BP	BP	89	70	70	70
ACETONE	A	NR	A	NR	A	A		A	A	NR	NR
	CON	CON	CON	ALL	CON	ALL		ALL	ALL	ALL	ALL
	200	200	200	70	200	BP		BP	70	70	70
ACETOPHENONE	A	Q	A		M			A		NR	NR
	CON	CON	CON		CON			CON		CON	CON
	200	200	200		70			70		70	70
ACETYLENE	A		A					A	A	A	M
	CON	CON	CON					CON	CON	CON	CON
	200	200	200					70	70	70	70
ACETYL CHLORIDE (DRY)	A	A/-	A					M	A	A	
	CON	CON	CON					CON	CON	CON	
	200	200	200					BP	70	70	
ACRIFLAUINE	A		A		A						
	2		2		2						
	70		70		70						
ACID MINE WATER	A/-	A	A	A				Q	NR		
	CON		CON	CON				CON	CON		
	200		200	70				70	70		
ALCOHOL, AMYL	A	A	A	A	A	A		A	A	M	M
	CON	CON	CON	CON	CON	100		CON	CON	CON	CON
	200	200	200	70	200	70		70	70	70	70
ALCOHOL, BUTYL	A	A	A	M	A			A	A	A	A
	CON	CON	CON	CON	CON			CON	CON	CON	CON
	200	200	200	80	200			70	70	250	70
ALCOHOL, ETHYL	A	A	A	A	A	A	A	A		A	A
	96	96	96	CON	CON	ALL	95	ALL		CON	CON
	70	150	70	80	200	BP	BP	BP		70	70
ALUMINUM CHLORIDE	A	A	A	A	A	NR	A	M	A	A	A
	CON	CON	CON	CON	CON	80	25	CON	CON	CON	CON
	200	200	200	70	200	BP	70	70	70	70	70
ALUMINUM FLUORIDE			A	A	A	M	A	M/Q		A	A
				CON	CON	10	SAT			CON	CON
			70	70	200	75	70	70		70	70
ALUMINUM SULFATE	A	A	A	A	A	A	A	A	NR	A	A
	CON	CON	CON	CON	CON	55	SAT	100	CON	CON	CON
	200	200	200	70	200	100	70	BP	70	70	70
AMMONIA, AQUEOUS	A/-	A	A		A	A/M	A	A	A	A	A
	CON	CON	CON		30	ALL	30	CON	CON	CON	CON
	200	200	200		80	BP	70	70	70	70	70
AMMONIUM CHLORIDE	A	A	A	A	A	M	A	A		A	A
	CON	CON	CON	CON	CON	ALL	ALL	SO		CON	CON
	200	200	200	70	200	BP	200	BP		70	70
AMMONIUM FLUORIDE			A		M	A	M				
			20		25	45	20				
			70		80	260	70				

MEDIA	PLASTICS					METALS				ELASTOMERS	
	RYTON	KYNAR	TEFLON	PVC	PP	HAST. C	TITA-NIUM	316 SS	CARB. STEEL	VITON	BUNA N
AMMONIUM HYDROXIDE	A	A	A	A	A		A	Q	Q	A	NR
	CON	CON	CON	CON	CON		28	CON	CON	CON	CON
	200	200	200	70	200		70	70	70	70	70
AMMONIUM NITRATE	A	A	A	A	A	A	A	A	NR	M	A
	CON	CON	CON	CON	CON	10	28	CON	CON	CON	CON
	200	200	200	70	200	212	BP	BP	70	70	70
AMMONINM SULFATE	A	A	A	A	A	M	A	A	Q	NR	A
	CON	CON	CON	CON	CON	ALL	SAT	100	CON	CON	CON
	200	200	200	70	200	BP	70	BP	70	70	70
AMYL ACETATE	A	Q	A		NR	M		Q	Q	NR	NR
	CON	CON	CON		ALL	-		CON	CON	CON	CON
	200	200	200		70	275		70	70	70	70
AMYL CHLORIDE					NR	A				NR	A
					ALL	100				CON	CON
					70	86				70	70
ANILINE	A	Q	A	NR	M	M	A	A	A	NR	NR
	CON	CON	CON	CON	CON	100	100	100	CON	CON	CON
	200	200	200	70	70	75	70	70	70	70	70
ASPHALT EMULSIONS	A		A	A	A			A	A	A	M
	CON		CON	CON	CON			CON	CON	CON	CON
	200		200	70	70			70	70	70	70
AQUA REGIA	NR	M	A	A	Q	NR	M			M	
	-	-	-	-	CON	-	-			-	
	70	70	70	70	70	BP	140			70	
AVIATION FUEL	A	A	A	M	M	A		A	A	A	A
	100	100	100	100	CON	100		100	100	100	100
	200	200	200	80	70	325		70	70	70	70
AVIATION JET FUEL	A	A	A	A	M			A	A	A	A
	100	100	100	100	CON			100	100	100	100
	200	200	200	80	70			70	70	70	70
BARIUM CHLORIDE	A	A	A	A	A	A	A	Q	Q	A	A
	CON	CON	CON	CON	CON	100	20	CON	CON	CON	CON
	200	200	200	70	200	70	200	70	70	70	70
BARIUM HYDROXIDE	A	A	A	A	A	M				A	A
	CON	CON	CON	CON	CON	ALL				CON	CON
	200	200	200	70	200	BP				70	70
BARIUM SULFATE	A	A	A	A	A					A	A
	CON	CON	CON	CON	CON					CON	CON
	200	200	200	70	200					70	70
BEER				A	A			A		A	A
				CON	CON			CON		CON	CON
				70	200			70		70	70
BENZENE	A	A/Q	A	NR	NR	A	A	A	A	A	NR
	CON	CON	CON	CON	ALL	90	CON	CON	CON	CON	CON
	200	200	200	70	70	80	170	70	70	70	70
BENZALDEHYDE	A	A/Q	A	NR	Q			A	NR	NR	NR
	CON	CON	CON	CON	CON			CON	CON	CON	CON
	200	200	200	70	70			70	70	70	70
BENZENE SULFONIC ACID	A	A/Q	A	A		M		A	NR	A	
	CON	CON	CON	10		86		CON	CON	CON	
	200	200	200	70		140		70	70	70	
BENZYL CHLORIDE	A	A	A							A	NR
	CON	CON	CON							CON	CON
	200	200	200							70	70
BORAX	A	A	A	A	A			A	A	A	M
	CON	CON	CON	CON	CON			CON	CON	CON	CON
	200	200	200	70	200			70	70	70	70

MEDIA	PLASTICS					METALS				ELASTOMERS	
	RYTON	KYNAR	TEFLON	PVC	PP	HAST. C	TITA-NIUM	316 SS	CARB. STEEL	VITON	BUNA N
BORIC ACID		A	A	A	A	A	A	A		A	A
		-	-	CON	CON	ALL	CON	100		CON	CON
		250	70	70	200	BP	70	BP		70	70
BRINE	A	A	A	A	A	A	A				A
	100	-	100	CON	CON	100	100				CON
	70	250	70	70	200	140	70				70
BROMINE WATER	Q	A	A	A	Q		A	NR	NR	A	
	CON	CON	CON	CON	CON		-	CON	CON	CON	
	200	200	200	70	70		70	70	70	70	
BUTADIENE	A	A	A	A						M	NR
	CON	CON	CON	CON						CON	CON
	200	200	200	70						70	70
BUTANE	A	A	A	A	M	A				A	A
	CON	CON	CON	CON	CON	-				CON	CON
	200	200	200	70	80	250				70	70
BUTYLENE	A	A/NR	A	M						A	M
	CON	CON	CON	CON						CON	CON
	200	200	200	70						70	70
BUTYL ACETATE	A	NR	A	NR	M	A				NR	
	CON	CON	CON	CON	CON	100				CON	
	200	200	200	70	80	170				70	
BUTYL AMINE	A/Q	NR	A							NR	NR
	CON	CON	CON							CON	CON
	200	200	200							70	70
BUTYL ETHER	A	A	A								
	CON	CON	CON								
	200	200	200								
CALCIUM CHLORIDE	A	A	A	A	A	M	A	M	Q	A	A
	CON	CON	CON	CON	CON	58	55	100	CON	CON	CON
	200	200	200	70	200	395	220	70	70	70	70
CALCIUM HYDROXIDE		A	A	A	A	A	A	M		A	A
		CON	CON	CON	CON	50	-	50		CON	CON
		250	70	70	200	BP	70	BP		70	70
CALCIUM NITRATE	A	A	A	A	A					A	A
	CON	CON	CON	CON	CON					CON	CON
	200	200	200	70	70					70	70
CALCIUM SULFATE	A	A	A	A	A	A		A		A	M
	CON	CON	CON	CON	CON	10		-		CON	CON
	200	200	200	70	200	BP		70		70	70
CARBON DIOXIDE	A	A	A	A	A	A	A	A	A	A	A
	CON	CON	CON	CON	CON	-	100	CON	CON	CON	CON
	200	200	200	70	200	70	70	70	70	70	70
CARBON DISULFIDE	A	A/-	A	NR	M			A	A	A	NR
	CON	CON	CON	CON	CON			CON	CON	CON	CON
	200	200	200	70	200			70	70	70	70
CARBON TETRACHLORIDE	A	A	A	NR	NR	A	A	A	NR	A	NR
	CON	CON	CON	CON	ALL	100	100	100	CON	CON	CON
	200	200	200	70	70	73	BP	BP	70	70	70
CARBONIC ACID			A	A	A	A		A		A	A
			CON	CON	CON	100		ALL		CON	CON
			70	70	200	75		HOT		70	70
CASTOR OIL				A	A					A	A
				CON	100					CON	CON
				70	200					70	70
CELLOSOLVE	A	A	A	M	M			A	A	M	
	CON	CON	CON	CON	CON			CON	CON	CON	
	200	200	200	70	80			70	70	70	

MEDIA	PLASTICS					METALS				ELASTOMERS	
	RYTON	KYNAR	TEFLON	PVC	PP	HAST. C	TITA-NIUM	316 SS	CARB. STEEL	VITON	BUNA N
CHLOROBENZENE (DRY)	A	A	A	NR	NR			A	A	A	NR
	CON	CON	CON	CON	ALL			CON	CON	CON	CON
	200	200	200	70	70			BP	70	70	70
2-CHLOROETHANOL	A										
	CON										
	200										
CHOLOROFORM	A	A	A	NR	M	M	A	A	A	A	NR
	CON	CON	CON	CON	100	100	100	CON	CON	CON	CON
	200	200	200	70	80	BP	BP	70	70	70	70
CHLOROSULFONIC ACID	NR	NR	A	NR	NR	A		NR	NR	NR	NR
	CON	CON	CON	CON	100	45		CON	CON	CON	CON
	200	200	200	70	70	80		70	70	70	70
CHLORINE (DRY)	Q	A	A	M	M	A	A/Q	A	Q	A	
	CON	CON	CON	CON	CON	97	CON	CON	CON	CON	
	200	200	200	70	80	180	70	70	70	70	
CHLORINE (WET)				M	M	A	A	Q		A	
				CON	CON	100	CON	CON		CON	
				70	80	75	200	70		70	
CHROMIC ACID (DILUTE)	A	A	A	A	A	A	A	NR	NR	A	
	DIL	DIL	DIL	DIL	10	20	10	DIL	DIL	DIL	
	200	200	200	70	200	70	BP	70	70	70	
CHROMIC ACID (CONC.)	A/Q	A	A	M	A	NR	A	NR	NR	A	NR
	CON	CON	CON	CON	80	30	37	CON	CON	CON	CON
	200	200	200	70	80	BP	195	70	70	70	70
CITRIC ACID	A	A	A	A	A	A	A	A		A	A
	10	CON	10	CON	10	ALL	CON	50		CON	CON
	70	230	70	70	200	BP	70	BP		70	70
COTTONSEED OIL	A	A	A	A	A					A	A
	CON	CON	CON	CON	CON					CON	CON
	200	200	200	70	200					70	70
M-CRESOL (CRUDE)	A	A	A	NR	NR			A	A	A	NR
	CON	CON	CON	CON	ALL			CON	CON	CON	CON
	200	200	200	70	70			70	70	70	70
CRESYLDIPHENYL PHOSPHATE	A										
	CON										
	200										
CRUDE OIL	A	A	A	A	M			A		A	A
	CON	CON	CON	CON	CON			CON		CON	CON
	200	200	200	70	80			HOT		70	70
COPPER CYNIDE		A	A	A	A	A	A	A		A	A
		CON	CON	CON	CON	CON	CON	CON		CON	CON
		150	70	70	200	70	70	70		70	70
COPPER SULFATE	A	A	A	A	A	A	A	A		A	A
	CON	CON	CON	CON	CON	ALL	ALL	CON		CON	CON
	200	200	200	70	200	BP	70	BP		70	70
CYCLOHEXANE	A	A	A				A	A	A	A	A
	CON	CON	CON				-	CON	CON	CON	CON
	200	200	200				300	70	70	70	70
CYCLOHEXANOL				NR	M			A	A	A	M
				CON	CON			CON	CON	CON	CON
				70	80			70	70	70	70
CYCLOHEXANONE				NR	NR			A	A	NR	NR
				CON	ALL			CON	CON	CON	CON
				70	70			70	70	70	70
DETERGENTS	A		A	A	A					A	A
	CON		CON	CON	CON					CON	CON
	200		200	70	200					70	70

MEDIA	PLASTICS					METALS				ELASTOMERS	
	RYTON	KYNAR	TEFLON	PVC	PP	HAST. C	TITA-NIUM	316 SS	CARB. STEEL	VITON	BUNA N
DIESEL FUEL	A	A	A							A	A
	CON	CON	CON							CON	CON
	200	200	200							70	70
DIISOBUTYLENE	A	A	A					A	A		
	CON	CON	CON					CON	CON		
	200	200	200					70	70		
DIMETHYL ANILINE	A	NR								NR	
	CON	CON								CON	.
	200	200								70	
DIMETHYL FORMAMIDE	A	NR	A							NR	M
	CON	CON	CON							CON	CON
	200	200	200							70	70
DIMETHYL PHTHALATE	A	NR	A	NR						M	NR
	CON	CON	CON	CON						CON	CON
	200	200	200	70						70	70
DIMETHYL SULFOXIDE	A										
	CON										
	200										
DIPHENOL ETHER	A		A					A	A		
	CON		CON					CON	CON		
	200		200					70	70		
DIOCTYL PHTHALATE	A		A		NR			A	A		
	CON		CON		ALL			CON	CON		
	200		200		70			70	70		
P-DIOXANE	A	NR	A					Q	Q		
	CON	CON	CON					CON	CON		
	200	200	200					70	70		
DOWTHERM	A		A					A	Q	A	
	CON		CON					CON	CON	CON	
	200		200					70	70	70	
EPICHLOROHYDRIN (DRY)	A	NR	A					A	A	NR	
	CON	CON	CON					CON	CON	CON	
	200	200	200					70	70	70	
ETHANOLAMINE	A	NR	A					A	A	NR	M
	CON	CON	CON					CON	CON	CON	CON
	200	200	200					70	70	70	70
ETHERS	A	NR	A	NR	NR	M		A	A	NR	NR
	CON	-	CON	CON	ALL	100		CON	CON	CON	CON
	200	150	200	70	70	75		70	70	70	70
ETHYL ACETATE	A	NR	A	NR	A	M		A	Q	NR	NR
	CON	CON	CON	CON	CON	100		CON	CON	CON	CON
	200	120	200	70	200	BP		70	70	70	70
ETHYL CHLORIDE (WET)	A	A	A	NR	NR	M		NR	NR	A	A
	CON	CON	CON	CON	ALL	100		CON	CON	CON	CON
	200	200	200	70	70	75		70	70	70	70
ETHYLENE DIAMINE	A	NR	A			M		A	Q	NR	A
	CON	CON	CON			-		CON	CON	CON	CON
	200	70	200			70		70	70	70	70
ETHYLENE DICHLORIDE	A		A	NR	NR	M	A	Q	Q	A	NR
	CON		CON	CON	ALL	-	100	CON	CON	CON	CON
	200		200	70	70	200	BP	70	70	70	70
ETHYLENE GLYCOL	A	A	A	A	A			A	Q	A	A
	CON	CON	CON	CON	CON			CON	CON	CON	CON
	200	200	200	70	200			70	70	70	70
ETHYLENE OXIDE			A	NR	M					NR	NR
			CON	CON	CON					CON	CON
			70	70	80					70	70

MEDIA	PLASTICS					METALS				ELASTOMERS	
	RYTON	KYNAR	TEFLON	PVC	PP	HAST. C	TITA-NIUM	316 SS	CARB. STEEL	VITON	BUNA N
FATTY ACIDS			A	A	M	A				A	M
			CON	CON	CON	90				CON	CON
			70	70	70	240				70	70
FERRIC CHLORIDE	A	A	A	A	A	M	A	NR	NR	A	A
	CON	CON	CON	CON	CON	45	50	CON	CON	CON	CON
	200	200	200	70	200	75	235	70	70	70	70
FERRIC NITRATE		A	A	A	A	A		A		A	A
		CON	CON	CON	CON	10		5		CON	CON
		200	70	70	200	75		70		70	70
FERRIC SULFATE		A	A	A	A	A	A	A		A	A
		-	CON	CON	CON	30	CON	CON		CON	CON
		230	70	70	200	150	70	70		70	70
FERROUS CHLORIDE	A	A	A	A	A	M		NR	NR		
	CON	CON	CON	CON	CON	100		CON	CON		
	200	200	200	70	200	275		70	70		
FERROUS SULFATE		A	A	A	A	M	A	A		A	
		-	CON	CON	CON	ALL	100	100		100	
		250	70	70	200	BP	70	70		70	
FLUOROBORIC ACID			A	A	A		NR				A
			CON	CON	CON		20				CON
			70	70	200		100				70
FLUOSILICIC ACID			A	A	A	M	NR				A
			-	CON	CON	100	-				CON
			70	70	200	73	70				70
FORMALDEHYDE	A	A	A	M	A	A	A	Q	NR	A	M
	37	37	37	CON	CON	40	37	37	37	37	CON
	200	200	200	70	200	120	BP	70	70	70	70
FORMIC ACID	A	A	A	M	A	A	A/Q	M	NR	NR	M
	CON	CON	CON	CON	CON	85	ALL	100	CON	CON	CON
	200	200	200	70	200	150	200	BP	70	70	70
FREON (DRY)	A		A	M	M					M	M
	CON		CON	CON	CON					CON	CON
	200		200	70	80					70	70
FREON TE (SOLVENT)	M		A		M			A		A	A
	CON		CON		CON			CON		CON	CON
	70		70		70			70		70	70
FUEL OIL	A	A	A	A	M			A	A	A	A
	CON	CON	CON	CON	CON			CON	CON	CON	CON
	200	200	200	70	70			70	70	70	70
FURAN	A		A					A	A		NR
	CON		CON					CON	CON		CON
	200		200					70	70		70
FURFURAL	A	NR	A	NR	NR	M		A	A	NR	NR
	CON	CON	CON	CON	ALL	100		CON	CON	CON	CON
	200	70	200	70	70	75		70	70	70	70
GALLIC ACID		M		A	A	A		A		A	M
		CON		CON	CON	100		SAT		CON	CON
		120		70	200	BP		212		70	70
GASOLINE	A	A	A	M	M	A		A	A	A	A
	CON	CON	CON	CON	CON	100		CON	CON	CON	CON
	200	200	200	70	70	325		70	70	70	70
GLUCOSE		A	A	A	A					A	A
		CON	20	CON	CON					CON	CON
		212	70	70	200					70	70
GLYCERIN		A	A	A	A	A	A	A		A	A
		CON	100	CON	CON	100	100	100		CON	CON
		250	70	70	200	75	70	70		70	70

MEDIA	PLASTICS					METALS				ELASTOMERS	
	RYTON	KYNAR	TEFLON	PVC	PP	HAST. C	TITA-NIUM	316 SS	CARB. STEEL	VITON	BUNA N
GLYCOLIC ACID	A	A	A	A	A			A	A		
	CON	CON	CON	CON	CON			CON	CON		
	200	70	200	70	200			70	70		
HEPTANE	A	A	A	M	NR			A	A		
	CON	CON	CON	CON	CON			CON	CON		
	200	200	200	70	70			70	70		
HEXANE	A	A	A	M	M			A	A		
	CON	CON	CON	CON	CON			100	100		
	200	200	200	70	80			70	70		
HYDROCHLORIC ACID	A	A	A	A	A	A	M	NR	NR	A	NR
	37	37	37	40	40	30	30	37	37	CON	CON
	200	200	200	70	200	70	70	70	70	70	70
HYDROFLUORIC ACID	A	A	A	A	A	M	NR	NR	NR	M	NR
	35	35	35	60	40	ALL	ANY	35	35	CON	CON
	200	200	200	70	200	BP	70	70	70	HOT	HOT
HYDROGEN GAS	A	A	A	A	A	A	A	A	A	A	A
	CON	CON	CON	CON	CON	100	CON	CON	CON	CON	CON
	200	200	200	70	200	700	200	70	70	70	70
HYDROGEN PEROXIDE	A	A	A	A	Q	A	M	Q	NR/Q	M	NR
	30	30	30	90	30	-	30	30	30	90	90
	200	200	200	70	70	120	70	70	70	70	70
HYDROGEN SULFIDE (WET)	A	A	A	A	A	A	A	A	Q	NR	NR
	CON	CON	CON	CON	CON	-	CON	CON	CON	CON	CON
	200	200	200	70	200	170	70	70	70	HOT	HOT
KEROSENE - JP FUELS	A	A	A	A	M	A	A	A	A	A	A
	CON	CON	CON	CON	CON	CON	CON	CON	CON	CON	CON
	200	200	200	70	70	70	70	70	70	70	70
KETONES	A	NR	A		A			A	A		
	CON	CON	CON		CON			CON	CON		
	200	120	200		70			70	70		
LATIC ACID	A	NR	A	A	A	M	A	A	A	A	A
	CON	CON	CON	25	25	60	50	CON	CON	CON	CON
	200	200	200	70	200	130	200	70	70	70	70
LEAD ACETATE		A	A	A	A		A	A			M
		CON	CON	CON	CON		CON	CON			CON
		250	70	70	200		70	70			70
LPG	A	A	A					A	A	A	A
	CON	CON	CON					CON	CON	CON	CON
	200	200	200					70	70	70	70
LUBRICATING OIL	A	A	A	A	M			A	A	A	A
	CON	CON	CON	CON	CON			CON	CON	CON	CON
	200	200	200	70	80			70	70	70	70
MAGNESIUM CHLORIDE	A	A	A	A	A	A	A	M	Q	A	A
	CON	CON	CON	CON	CON	100	55	CON	CON	CON	CON
	200	200	200	70	200	334	200	70	70	70	70
MAGNESIUM HYDROXIDE	A	A	A	A	A		A	A	A	A	M
	CON	CON	CON	CON	CON		CON	CON	CON	CON	CON
	200	200	200	70	200		70	70	70	70	70
MAGNESIUM SULFATE	A	A	A	A	A	M	A	A		A	A
	CON	CON	CON	CON	CON	50	CON	CON		CON	CON
	70	250	70	70	200	BP	70	70		70	70
MERCURY CHLORIDE		A	A	A	A	M	A	NR		A	A
		CON	CON	CON	CON	10	40	40		CON	CON
		150	70	70	200	175	70	70		70	70
MERCURY		A	A	A	A	A	A	A		A	A
		CON	CON	CON	CON	CON	CON	CON		CON	CON
		200	70	70	200	700	70	70		70	70

MEDIA	PLASTICS					METALS				ELASTOMERS	
	RYTON	KYNAR	TEFLON	PVC	PP	HAST. C	TITA-NIUM	316 SS	CARB. STEEL	VITON	BUNA N
MEK	A	NR	A	NR	A	Q		A	A	NR	NR
	CON	CON	CON	CON	ALL	CON		CON	CON	CON	CON
	200	200	200	70	70	70		70	70	70	70
METHYL ALCOHOL (METHANOL)	A	A	A	A	A	M		M		NR	A
	CON	CON	CON	CON	100	95		CON.		CON	CON
	70	150	70	70	200	203		150		70	70
METHYL ISOBUTYL KETONE	A	NR	A							NR	NR
	CON	CON	CON							CON	CON
	200	200	200							70	70
MINERAL OIL	A	A	A	A	M			A	A	A	A
	CON	CON	CON	CON	100			CON	CON	CON	CON
	200	200	200	70	70			70	70	70	70
MORPHOLINE	A/Q	NR	A					A	A		
	CON	CON	CON					CON	CON		
	200	70	200					70	70		
MOTOR OIL	A		A	A	A			A		A	A
	CON		CON	CON	100			CON		CON	CON
	200		200	200	70			70		70	70
NAPHTHA	A	A	A	A	NR			A	A	A	NR
	CON	CON	CON	CON	100			CON	CON	CON	CON
	200	200	200	70	70			70	70	70	70
NAPHTHALENE	A	A	A	NR	M	A		A	A	A	NR
	CON	CON	CON	CON	100	CON		CON	CON	CON	CON
	200	200	200	70	80	70		70	70	70	70
NICKEL CHLORIDE		A	A	A	A	A	A	M		A	A
		CON	CON	CON	100	50	CON	CON		CON	CON
		250	70	70	200	200	70	70		70	70
NICKEL NITRATE		A	A	A	A	A	A	M			
		CON	CON	CON	CON	CON	CON	CON			
		250	70	70	200	70	70	70			
NICKEL SULFATE		A	A	A	A	A		A		A	A
		CON	CON	CON	CON	CON		CON		CON	CON
		250	70	70	200	70		70		70	70
NITRIC ACID	A/Q	A	A	A	M	A	A	M	NR	A	NR
	35	CON	CON	65	60	70	65	CON	35	CON	CON
	200	120	200	70	70	70	200	BP	70	70	70
NITROBENZENE	A	A	A	NR	A	M		A	A	M	NR
	CON	CON	CON	CON	100	85		CON	CON	CON	CON
	200	70	200	70	200	212		70	70	70	70
NITROMETHANE	A	A								NR	NR
	CON	CON								CON	CON
	200	70								70	70
OLEIC ACID		A	A	A	M		NR	A		M	NR
		CON	-	CON	CON		25	-		CON	CON
		150	70	70	80		140	70		70	70
OXALIC ACID (AQUEOUS)		A	A	A	A	A	M	M		A	M
		CON	50	CON	CON	ALL	50	50		CON	CON
		120	70	70	80	BP	70	70		70	70
PERCHLOROETHYLENE (DRY)	A	A	A		NR			A	Q	A	NR
	CON	CON	CON		CON			CON	CON	CON	CON
	200	200	200		70			70	70	70	70
PHENOL	A	A	A	NR	M	A	A	A	NR	A	NR
	CON	CON	CON	CON	100	ALL	CON	CON	CON	CON	CON
	200	200	200	70	80	BP	70	70	70	70	70
PHOSPHORIC ACID	A	A	A	A	A	A	M	M	NR	A	NR
	CON	CON	CON	75	75	98	30	95	CON	45	45
	200	200	200	70	200	185	95	70	70	70	70

MEDIA	PLASTICS					METALS				ELASTOMERS	
	RYTON	KYNAR	TEFLON	PVC	PP	HAST. C	TITA-NIUM	316 SS	CARB. STEEL	VITON	BUNA N
PHOSPHORUS TRICHLORIDE	A	A	A	M	Q			A	A	A	NR
	CON	CON	CON	CON	CON			CON	CON	CON	CON
	200	200	200	70	80			70	70	70	70
PICRIC ACID		A		NR	M			A		A	M
		CON		CON	CON			CON		CON	CON
		70		70	80			70		70	70
PLATING SOLUTIONS	M		A	A	A		A			A	A
	CON		CON	CON	CON		CON			CON	CON
	70		70	70	200		70			70	70
POTASSIUM CHLORIDE	A	A	A	A	A	A	A	A	Q	A	A
	CON	CON	CON	CON	CON	28	SAT	5	CON	CON	CON
	200	200	200	70	200	150	70	BP	70	70	70
POTASSIUM DICHROMATE	A	A	A	A	A	A	A	A		A	A
	40	CON	CON	CON	CON	25	40	ALL		CON	CON
	70	280	70	70	200	100	70	150		70	70
POTASSIUM HYDROXIDE	A	A	A	A	A	A	M	A	A	M	M
	50	50	50	35	50	50	50	50	50	CON	CON
	200	200	200	70	70	200	70	BP	70	70	70
POTASSIUM PERMANGANATE	A	A	A	A	A	M	A	A	Q		
	CON	CON	CON	CON	CON	78	SAT	10	CON		
	200	200	200	70	200	75	70	BP	70		
PROPYLENE CHLOROHYDRIN	A	A/NR	A								
	CON	CON	CON								
	200	200	200								
PYRIDINE	A	NR	A			A		A	A	NR	NR
	CON	CON	CON			50		CON	CON	CON	CON
	200	200	200			100		70	70	70	70
SILICONE OIL	A		A		A			A		A	A
	100		100		100			100		100	100
	70		70		70			70		70	70
SOAP SOLUTION	A		A	A	A			A		A	A
	CON		CON	CON	CON			CON		CON	CON
	70		70	70	200			70		70	70
SODIUM ACETATE	A	A	A	A	A	M	A	A		NR	M
	-	-	-	CON	CON	10	-	-		CON	CON
	70	200	70	70	200	75	70	70		70	70
SODIUM BICARBONATE	A	A	A	A	A	A		A	Q	A	A
	CON	CON	CON	CON	CON	20		ALL	CON	CON	CON
	200	200	200	70	200	BP		HOT	70	70	70
SODIUM CARBONATE	A	A	A	A	A		A	A	A	A	A
	CON	CON	CON	CON	CON		SAT	50	CON	CON	CON
	200	200	200	70	200		70	BP	70	70	70
SODIUM CHLORIDE (BRINE)	A	A	A	A	A	A	A	A	Q	A	A
	CON	CON	CON	CON	CON	-	CON	SAT	CON	CON	CON
	200	200	200	70	200	165	BP	BP	70	70	70
SODIUM CHROMATE	A		A					A	Q		
	CON		CON					CON	CON		
	200		200					70	70		
SODIUM DICHROMATE	A		A	A	A	A					
	SAT		SAT	CON	CON	SAT					
	70		70	70	200	70					
SODIUM HYDROXIDE	A	A	A	A	A	M	A	M	Q	M	M
	50	50	50	70	70	70	50	30	30	CON	CON
	200	200	200	70	200	BP	70	BP	70	70	70
SODIUM HYPOCHLORITE	A	A	A	A	M	A	M	NR	NR	A	M
	CON	CON	CON	CON	20	20	20	20	CON	CON	CON
	200	200	200	70	80	70	70	70	70	70	70

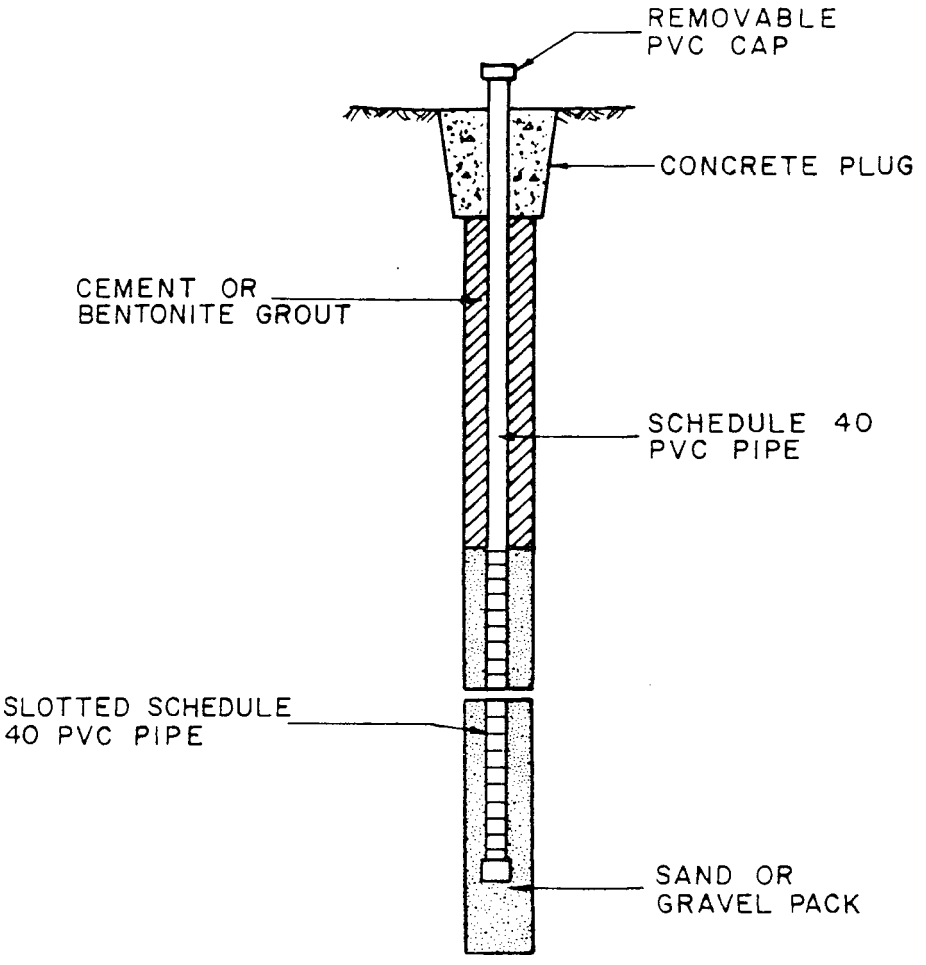
MEDIA	PLASTICS					METALS				ELASTOMERS	
	RYTON	KYNAR	TEFLON	PVC	PP	HAST. C	TITA-NIUM	316 SS	CARB. STEEL	VITON	BUNA N
SODIUM NITRATE	A	A	A	A	A	M		A			M
	-	CON	-	CON	CON	30		-			CON
	70	230	70	70	200	75		70			70
SODIUM SILICATE	A	A	A	A	A			A		A	A
	-	CON	-	CON	CON			-		CON	CON
	70	280	70	70	200			HOT		70	70
SODIUM SULFATE	A	A	A	A	A	A	A	A	Q	A	A
	CON	CON	CON	CON	CON	CON	20	CON	CON	CON	CON
	200	200	200	70	200	170	BP	BP	70	70	70
SODIUM SULFIDE	A	A	A	A	A	A	A	A	Q	A	A
	CON	CON	CON	CON	CON	25	25	50	CON	25	25
	200	200	200	70	200	70	70	BP	70	70	70
SODIUM THIOSULFATE	A	A	A					A	Q	A	M
	CON	CON	CON					CON	CON	CON	CON
	200	200	200					70	70	70	70
STANNOUS CHLORIDE	A	A	A	A	A		A	A		A	A
	CON	CON	CON	CON	CON		CON	CON		CON	CON
	70	150	70	70	200		70	120		70	70
STEAM	A	Q	A	NR				A	A	NR	NR
	-	-	-					-	-		
	300	300	300					300	300		
STODDARD SOLVENT	A	A	A	A	A			A	A	A	A
	CON	CON	CON	CON	CON			CON	CON	CON	CON
	200	200	200	200	200			70	70	70	70
SULFINOL	A	A	A					A	A		
	CON	CON	CON					CON	CON		
	200	200	200					70	70		
SULFOLANE	A										
	CON										
	200										
SULPHUR	A	A	A	A	A	A	A	A		A	NR
	-	-	-	-	CON	-	100	-		-	-
	70	250	70	70	200	284	465	266		70	70
SULPHUR DIOXIDE	A	A	A	A	M		A	A	Q	A	NR
	CON	CON	CON	CON	CON		CON	CON	CON	CON	CON
	200	200	200	70	80		70	70	70	70	70
SULFURIC ACID 30%	A	A	A	A	A	A	M	NR	NR	A	NR
	30	30	30	30	30	30	30	30	30	40	ALL
	200	200	200	70	200	200	100	ALL	ALL	BP	70
SULFURIC ACID 50-75%	A	A	A	A	A	A	M	NR	NR	A	NR
	50	50	50	50	75	50	50	50	50	50	ALL
	200	200	200	70	200	60	140	ALL	ALL	250	70
SULFURIC ACID 98%	A/Q	A	A	A	M	M	Q	A	A	A	NR
	98	98	98	98	98	98	98	98	98	90	ALL
	200	200	200	70	80	100	140	70	70	158	70
TANNIC ACID		A	A	A	A		A	A		A	A
		CON	10	CON	CON		10	CON		CON	CON
		230	70	70	200		70	150		70	70
TETRAHYDROFURAN	A	NR	A		NR			A	A	NR	
	CON	CON	CON					CON	CON	CON	
	200	70	200		70			70	70	70	
TETRALIN (DUPONT TRADEMA	A		A		NR						
	CON		CON		100						
	70		70		70						
TOLUENE	A	A	A	NR	NR			A	A	A	NR
	CON	CON	CON	CON	100			CON	CON	CON	CON
	200	200	200	70	70			70	70	70	70

MEDIA	PLASTICS					METALS				ELASTOMERS	
	RYTON	KYNAR	TEFLON	PVC	PP	HAST. C	TITA-NIUM	316 SS	CARB. STEEL	VITON	BUNA N
TOMATO JUICE	A		A					A	NR		
	CON		CON					CON	CON		
	200		200					70	70		
TRANSFORMER OIL	A		A		A					A	A
	CON		CON		100					CON	CON
	70		70		70					70	70
TRICHLORACETIC ACID	A	NR	A		A	M	NR	NR	NR	NR	M
	CON	CON			10	ALL	100	CON	CON	CON	CON
	200	80			70	BP	200	70	70	70	70
TRICHLORETHYLENE	A/Q	A	A	NR	NR	A	A	Q	Q	A	NR
	CON	CON	CON	CON	ALL	CON	CON	CON	CON	CON	CON
	200	200	200	70	70	70	BP	70	70	70	70
TRIETHANOLAMINE	A		A	M	M	A				NR	NR
	CON		CON	CON	100	CON				CON	CON
	70		70	70	80	70				70	70
TRIETHYL PHOSPHATE	A		A					A	A		
	CON		CON					CON	CON		
	200		200					70	70		
TRIPHENYL PHOSPHITE	A										
	CON										
	200										
TRISODIUM PHOSPHATE	A	A	A	A	A			A	A		
	CON	CON	CON	CON	CON			CON	CON		
	200	200	200	70	200			70	70		
TURPENTINE (DRY)	A	A	A	A	NR			A	A	A	A
	CON	CON	CON	CON	CON			CON	CON	CON	CON
	200	200	200	70	70			70	70	70	70
VINEGAR	A	Q	A	A	A			A	NR	A	M
	CON	CON	CON	CON	CON			CON	CON	CON	CON
	200	200	200	70	200			70	70	70	70
WATER, DEIONIZED	A	A	A	A	A	A	A	A	NR	A	A
	100	100	100	100	100	100	100	100	100	100	100
	200	200	200	70	200	600	570	70	70	70	70
WATER, SEA	A	A	A	A	A	A	A	A	Q	A	A
	100	100	100	100	100	100	100	100	100	100	100
	200	200	200	70	200	300	70	70	70	70	70
WATER, TAP	A	A	A	A	A	A	A	A	NR	A	A
	100	100	100	100	100	100	100	100	100	100	100
	200	200	200	160	200	200	200	200	70	212	70
WHISKEY			A	A	A			A		A	A
			100	100	CON			10		100	100
			70	70	200			70		70	70
WINE			A		A			A			
			100		CON			100			
			70		200			70			
XYLENE	A		A	NR	NR	A		A	A	A	NR
	CON		CON	CON	ALL	-		CON	CON	CON	CON
	200		200	70	70	300		70	70	70	70
ZINC CHLORIDE	A	A	A	A	A		A	A	Q	A	A
	CON	CON	CON	CON	CON		SAT	70	CON	CON	CON
	200	200	200	70	200		70	BP	70	70	70
ZINC OXIDE	A		A		A						
	-		-		CON						
	70		70		70						
ZINC SULFATE		A	A	A	A	M	A	A		A	A
		CON	CON	CON	CON	40	SAT	SAT		CON	CON
		200	70	70	200	BP	70	70		70	70

ATTACHMENT 20

Attachment 20 is the UW&T Training Program and is located in Volume 4 of this submittal

ATTACHMENT 21



PIEZOMETER WELL INSTALLATION FOR
SHALLOW GROUND-WATER MONITORING

ATTACHMENT @!

S&ME
Formerly, Soil & Material Engineers, Inc.

August 25, 1987

Can Am Engineering Inc.
4275 34th Street South, Suite 334
St. Petersburg, Florida 33711

Attention: Mr. Robert J. Bedore

Subject: Preliminary Site Evaluation
and Subsurface Exploration
Proposed Warehouse Building
North Orient Road and 9th Avenue
Tampa, Florida
S&ME Job No. 181-87-149

Gentlemen:

S&ME,Inc. has completed a preliminary subsurface exploration and site evaluation of the above referenced project site. This exploration was authorized by Mr. Bedore of Can Am Engineering at the proposed site on August 14, 1987. The following report describes our field techniques and procedures, as well as exhibiting the data obtained.

Site Description

The project site, which encompasses a rectangular area of approximately 1.5 acres, is located within the northwest quadran of the intersection of Orient Road and 9th Avenue in Tampa, Florida. The site has approximately 150 feet of frontage along Orient Road and approximately 400 feet along 9th Avenue. The field observations show the site to be gently sloping to the west and southwest with approximately 1 to 1.5 feet of relief across the site. At the time of our exploration, the majority of the site was covered with weeds, grass and scattered trees. Scattered pieces of debris were observed throughout the site surface with a concrete pad located near

S&ME, Inc.
5909 Breckenridge Parkway, Suite B
Tampa, FL 33610 (813) 623-2438

the northeast portion of the site. The east central portion of the site has a cover of limerock which indicates this area could have been previously utilized as a pavement. Drainage ditches were observed along the north and east property line. A fence exists along the north property line and a ditch which flows in an easterly direction toward the east drainage parallel to North Orient Road. Surface water then flows in a southerly direction along the Orient Road ditch. A red stain was observed along the ditch and it appeared to initiate from the adjacent Wheel Blasting facility. A slight red stain was also observed near the location of auger boring AB-3. (See attached drawing).

This site is generally surrounded by the abandoned Stauffer Chemical Company to the east, residential homes to the south, heavy tree vegetations and abandoned warehouse to the west, and the Wheel Blasting facility to the north.

Investigative Procedure

As requested, four (4) auger borings were preformed as indicated on the attached drawing to a depth of approximately 4 feet. The borings were visually classified by a geologist and geotechnical engineer and samples of the soils and water obtained for laboratory contaminant analysis.

As requested, a sample of the water and soil was obtained from each of the auger borings at a depth of approximately 1 to 3 feet. To prevent outisde contamination , the material and equipment used in obtaining the samples were sterilized using an approved EPA method. Protective gloves and clothing were utilized by personnel while obtaining the samples.

After completing the hand auger excavations and obtaining the soil samples, 2 inch diameter schedule 40 pvc pipes with a .01 inch slot temporary piezometer were installed in order to obtain the water samples. Although not an approved method of obtaining clean water samples, the water was allowed to stabilize in each of the piezometer locations for at least one hour prior to sampling with a teflon bailer. The bailer was also properly cleaned and decontaminated between auger boring locations.

A photo-ionizer "Hnv" meter, which is a device used to detect the level of organic vapor present in the atmosphere, was utilized during the entire field exploration.

The obtained water and soil samples from each of the boring locations were placed in the proper containers submitted to us by Thorton Labs. Typically, one container was utilized for the soil sample and 4 for the water samples at each of the auger boring locations. The samples were returned to Thorton Labs to be subjected to the following chemical analysis.

1. Chemical Oxygen Demand (COD)
2. Total Organic Halogens (TOX)
3. Arsenic
4. Barium
5. Cadmium
6. Chromium
7. Lead
8. Mercury
9. Selenium
10. Silver
11. Copper
12. Nickel
13. Zinc
14. PH

The information from Thorton Lab's chemical analysis is attached.

Subsurface Conditions

Based on the auger borings drilled to a depth of approximately 4 feet, a 4 to 8 inch layer of fill consisting of fine sand with limerock was encountered in the locations of auger borings AB-1 and AB-2. This is probably due to the previous construction activity performed within the eastern portion of the site. Beneath the fill and/or surface topsoil veneer at the west portion of the site, a dark brown and/or gray silty fine sand was encountered to a depth of approximately 1 to 1.5 feet. This was underlain by a slightly silty to clean fine sand to a depth of 4 feet.

Groundwater level measurements range from approximately 1.3 to 1.8 feet below the existing ground surface after a 24 hour waiting period. We would like to emphasize, however, that groundwater fluctuates during the year and is dependent on weather conditions and construction activity throughout the area. Since the exploration was performed during the wet season, the measured groundwater should be indicative of the normal seasonal high water level.

General Comments

Based on our preliminary shallow subsurface exploration, it is our opinion that the site is suitable for foundation support of a light warehouse structure. No indication of miscellaneous trash fill and/or organic material was encountered within the shallow depths of our auger borings. However, prior to any building construction, additional subsurface exploration consisting of deeper soil test borings should be performed to more accurately determine bearing capacity values for foundation support.

Based on our visual site evaluation and Hnv meter readings, there was no detectable organic vapors noted. The laboratory analysis performed by Thorton Lab Inc. on the obtained water samples indicated level of metal contaminants less than minimum standards set for drinking water. The soil samples generally indicated metal contents less than detectable limits with the exception of zinc at AB-1, chromium and mercury at AB-2. Results of the soil and water sample analyses are attached.

Again we appreciate the opportunity of performing a preliminary subsurface exploration and of obtaining soil and water samples to be analyzed for contaminants at the above referenced project site. If you have any questions concerning the contents of this report and/or the attached information, please feel free to call us.

Very truly yours,

S&ME, INC.

Luis Maniquez, P.E.
Branch Manager
Registered, Florida 37119

/cdj

S&ME

S&ME
Formerly, Soil & Material Engineers, Inc.
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CLIENT • Can Am Engineering, Inc.

DATE • August 25, 1987

JOB NO. • 181-87-149

PROJECT • Porposed Warehouse Building
• North Orient Road and 9th Avenue

AUGER BORING RECORDS

Auger No.	Depth (Feet) From	To	Soil Description
AB-1	0.0	0.7	Limerock and light brown slightly silty fine SAND (FILL)
	0.7	1.0	Dark brown silty fine SAND (SM)
	1.0	3.0	Brown slightly silty fine SAND (SP-SM)
	3.0	4.0	Brown - light brown fine SAND (SP)
			Groundwater encountered at 1.3 feet after 24 hours
			Soil sample obtained at a depth of 3 to 4 feet
			Boring terminated at 4.0 feet
AB-2	0.0	0.3	Brown fine SAND (FILL)
	0.3	1.0	Dark brown silty fine SAND with organics and wood fragments (roots) (FILL)
	1.0	1.5	Gray fine SAND (SP)
	1.5	2.0	Light gray fine SAND (SP)
	2.0	4.0	Brown fine SAND (SP)
			Groundwater encountered at 1.8 feet after 24 hours
			Soil sample obtained at a depth of 2 to 3 feet
			Boring terminated at 4.0 feet
AB-3	0.0	1.0	Dark gray fine SAND (SP)
	1.0	1.5	Dark gray fine SAND (SP)
	1.5	2.0	Dark brown silty fine SAND (SM)
	2.0	4.0	Light brown fine SAND (SP)
			Groundwater encountered at 1.5 feet after 24 hours
			Soil sample obtained at a depth fo 0.5 to 1.0 feet
			Boring terminated at 4.0 feet
AB-4	0.0	0.3	Dark gray silty fine SAND with roots (SM)
	0.3	1.0	Gray fine SAND (SP)
	1.0	2.5	Light gray fine SAND (SP)
	2.5	4.0	Dark brown silty fine SAND (SM)
			Groundwater encountered at 1.3 feet after 24 hours
			Soil sample obtained at a depth of 1 - 2 feet
			Boring terminated at 4.0 feet

THORNTON LABORATORIES, INC.
1145 EAST CASS STREET
TAMPA, FLORIDA 33601 - 2880
MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

TWX 810 876-9134
THORNT LAB TPA

TELEPHONE (813) 223-9702
P.O. BOX 2880

September 8, 1987

Laboratory Number 666369-666372

Sample of Water

Date Received 8/19/87

For Soil & Material Engineers
5909 Breckenridge Pkwy. Suite B
Tampa, FL 33610

Attn: L. Mahiquez

Marks: Location: Orient & 9th Ave. Sampled by LFM/MKA, 8/19/87

CERTIFICATE OF ANALYSIS

Marks	W-1 AB-1	W-2 AB-2	W-3 AB-3	W-4 AB-4
Kit #	5584	5581	5582	5583
pH	6.0	4.8	3.6	3.7
Arsenic (As)	<0.005	<0.005	<0.005	<0.005
Barium (Ba)	0.24	0.10	0.16	0.47
Cadmium (Cd)	<0.002	<0.002	<0.002	<0.002
Chromium (Cr)	0.040	0.016	0.029	0.039
Copper (Cu)	0.008	0.006	0.005	0.008
Lead (Pb)	0.01	<0.01	<0.01	0.04
Mercury (Hg)	<0.0002	<0.0002	<0.0002	<0.0002
Nickel (Ni)	0.018	0.025	0.018	0.037
Selenium (Se)	<0.005	<0.005	<0.005	<0.005
Silver (Ag)	<0.005	<0.005	<0.005	<0.005
Zinc (Zn)	0.54	0.091	0.14	0.13
COD (Chemical Oxygen (Demand)	397	189	305	480
Total Organic Halogens (TOX)	1.4	0.058	0.24	0.091

All results expressed in mg/L unless otherwise noted.

Analysis according to "Standard Methods for the Examination of Water & Wastewater" APHA, Latest Edition.

FDHRS LABORATORY ID#84147 and T84100

THORNTON LABORATORIES, INC.

THORNTON LABORATORIES, INC.
1145 EAST CASS STREET
TAMPA, FLORIDA 33601 - 2880
MARINE, ANALYTICAL AND ENVIRONMENTAL SERVICES

TWX 810 876-9134
THORNT LAB TPA

TELEPHONE (813) 223-9702
P.O. BOX 2880

September 8, 198-

Laboratory Number 666365-666368

Sample of Soil

Date Received 8/19/87

For Soil & Material Engineers
5909 Breckenridge Pkwy. Suite B
Tampa, FL 33610

Attn: L. Mahiquez

Marks: Orient & 9th Ave. Sampled by: LFM/MKA, Date: 8/19/87

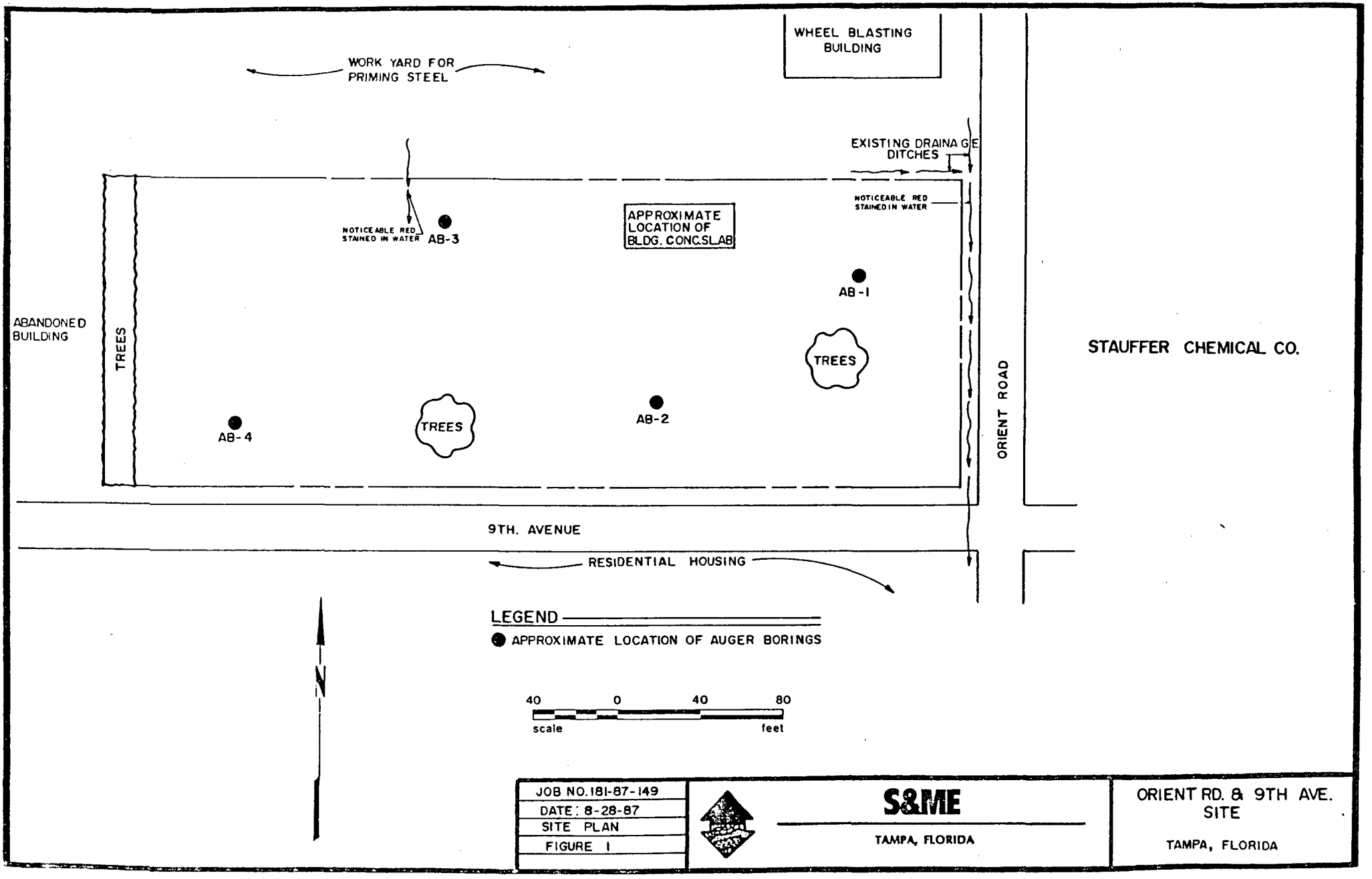
CERTIFICATE OF ANALYSIS

Marks	AB-1	AB-2	AB-3	AB-4
Kit #	5585	5587	5586	5588
ANALYSIS ON DRY BASIS				
Total Organic Halogens (TOX)	0.19	0.062	0.10	0.023
COD (Chemical Oxygen Demand)	[redacted]	[redacted]	[redacted]	[redacted]
Arsenic (As)	<0.3	<0.3	<0.3	<0.3
Barium (Ba)	<7	<7	<7	<7
Cadmium (Cd)	<0.5	<0.5	<0.5	<0.5
Chromium (Cr)	<1	[redacted]	<1	<1
Lead (Pb)	<2	<2	<2	<2
Mercury (Hg)	<0.01	[redacted]	<0.01	<0.01
Selenium (Se)	<0.3	<0.3	<0.3	<0.3
Silver (Ag)	<1	<1	<1	<1
Copper (Cu)	<1	<1	<1	<1
Nickel (Ni)	<1	<1	<1	<1
Zinc (Zn)	[redacted]	<1	<1	1.0
pH (1:1 H_2O Solution)	[redacted]	4.3	4.4	3.9

All results expressed in mg/kg unless otherwise noted.

THORNTON LABORATORIES, INC.

[signature]



JOB NO. 181-87-149 DATE: 8-28-87 SITE PLAN FIGURE 1	S&ME TAMPA, FLORIDA	ORIENT RD. & 9TH AVE. SITE TAMPA, FLORIDA

ATTACHMENT 22

Attachment 22 is the interior facility detail drawing and is identified as Drawing A-1 and located in the map tube.

[illegible] Aromatic ([illegible])

[illegible] Aromatic is offered exclusively for interior [illegible] where [illegible] chemical spillage or excessive impact abrasion [illegible] the principal [illegible]. It is [illegible] effective for floors in heavy industrial and [illegible] metal, concrete or plastic. The Aromatic line, pigmented Gray and Clear, is less costly than the Aliphatic. Silver Metallic No. 6120 is an excellent primer for rusted steel surfaces under glid-thane one Aromatic coatings.

Compared with other systems, glid-thane one*stands alone

Study the following Chemical and Abrasion Resistance charts. These polyurethane coatings will survive the worst abuse—daily wear, abrasion, high impact, harsh chemical and solvent attack—and still retain that freshly painted look up to three times longer than the toughest standard industrial coatings.

Physical properties of generic coatings

	Polyurethane	Vinyl	Epoxy	Chlorinated Rubber	Oil Base Paint
Water Resistance	Excellent	Excellent	Excellent	Excellent	Poor
Chemical Resistance	Excellent	Excellent	Excellent	Excellent	Poor
Solvent Resistance	Excellent	Resists alcohols, aliphatic and aromatic hydrocarbons	Excellent	Same as for vinyl but dissolves in aromatics	Poor
[illegible] Resistance	Very Good	Undercuts, film not affected	Excellent	Same as for vinyl	Film destroyed
Mineral Acid Resistance	Very Good	Excellent	Fair	Excellent	Poor
Physical Properties	Hard & Tough	Hard & Tough	Hard, Tough & Brittle	Hard & Tough (but less tough than vinyl)	Brittle, limited abrasion resistance
Weather Resistance	Excellent (aliphatic)	Excellent	Chalks	Very Good	Limited
Temperature Resistance −40°F. to +250°F.	Excellent	Limited	Excellent	Limited	Limited
Application Characteristics	Very Good	Dry Spray	Very Good	Cobweb	Very Good
Abrasion	Excellent	Good	Good	Poor	Poor
Impact	Excellent	Good	Good	Poor	Poor
Gloss (Initial)	Excellent	Good	Good	Poor	Poor

Abrasion resistance

Type of Coating	Taber Index	Type of Coating	Taber Index
MOISTURE-CURING URETHANES		OTHER COATINGS (Continued)	
Clear Aromatic Floor Coating (Y-6151 Interior)	8	Polyamide Epoxy Enamel	95
Clear Aliphatic Coating (Y-6116 Interior/Exterior)	12	Clear Nitrocellulose Lacquer	96
Pigmented Aliphatic Colors (Interior/Exterior)	Depending on Color 13-42	Vinyl Enamel	106
Pigmented Aromatic (Y-6150 Interior)	35	Urethane Oil Varnish	155
OTHER COATINGS		Phenolic Spar Varnish	172
Modified Two-Part Polyester Urethane	60	Epoxy Ester Enamel	196

Taber Index values indicate weight loss in mg per 1000 revs of abrasion tester, 1000 grams CS17 wheels.

*Aliphatic & Aromatic

ATTACHMENT 23

[illegible] environments are subject to the destructive [illegible] of a variety of [illegible] [illegible]es. The chart below lists those most frequently [illegible] [illegible] [illegible] most effectively to combat specific [illegible]s.

Environmental resistance

Environment	Splash or Spillage	Fumes or Vapors
Solvents		
Aliphatic		
Gasoline	S	S
Hexane	S	S
JP-4	S	S
Brake Fluid	S	S
Aromatic		
Xylol	S	S
Toluol	S	S.
Chlorinated		
Trichlorethylene	S	S
Carbon Tetrachloride	S	S
Alcohols		
Methyl Alcohol	S	S
Ethyl Alcohol	S	S
Ethylene Glycol	S	S
Glycerol	S	S
Ketones and Esters		
Acetone	S	S
Methyl Ethyl Ketone	S	S
Ethyl Acetate	S	S
Cellosolve Acetate	S	S
Miscellaneous		
Nitropropane	S	S
Turpentine	S	S

Code: S Satisfactory NR Not Recommended

Recommendations are for conditions normally found in *atmospheric corrosion protection.* This includes splash, spillage, and other limited contact with corrosive materials found in industrial plants. All data recorded for ambient temperatures except as noted. Recommendations do not hold for immersion although in some instance the specified coating may be satisfactory. To be sure, ask your Glidden representative to complete a "Request for Recommendation."

All systems are subject to failures caused by poor surface preparation, improper application or unexpectedly severe exposure. To get the maximum protection from Glidden coating systems, follow recommended surface preparation, use trained applicators and schedule regular inspections as part of your Glidden preventive maintenance program.

Environment	Concentration (%)	Splash or Spillage	Fumes or Vapors
Acids, Inorganic			
Hydrochloric	10	S	S
	35	S	S
Sulfuric	10	S	S
	35	S	S
Phosphoric	10	S	S
	50	S	S
Chromic	2	S	S
	10	NR	S
Nitric	2	S	S
	10	NR	S
Acids, Organic			
Lactic	10	S	S
Acetic	5	S	S
	10	S	S
	Glacial	NR	S
Citric	10	S	S
Oleic		S	S
Maleic		S	S
Alkalies			
Ammonium Hydroxide	10	S	S
	50	L	S
Ammonia		S	S
Sodium Hydroxide	10	S	S
	50	S	S
Salts			
Sodium Chloride	20	S	S
Calcium Chloride	20	S	S
Ferric Chloride	20	S	S
Trisodium Phosphate	10	S	S
Miscellaneous Chemicals			
Tide Solution (160°F.)	1	S	S
Sodium Hydrochlorite Solution	1	S	S
Sea Water (Synthetic)		S	S
Sugar Solution	10	S	S
Water (160°F.)		S	S
Freon	100	S	S
Sour Crude Oil		S	S
Chlorine Gas (Wet or Dry)		S	S

Code: S Satisfactory NR Not Recommended L Limited

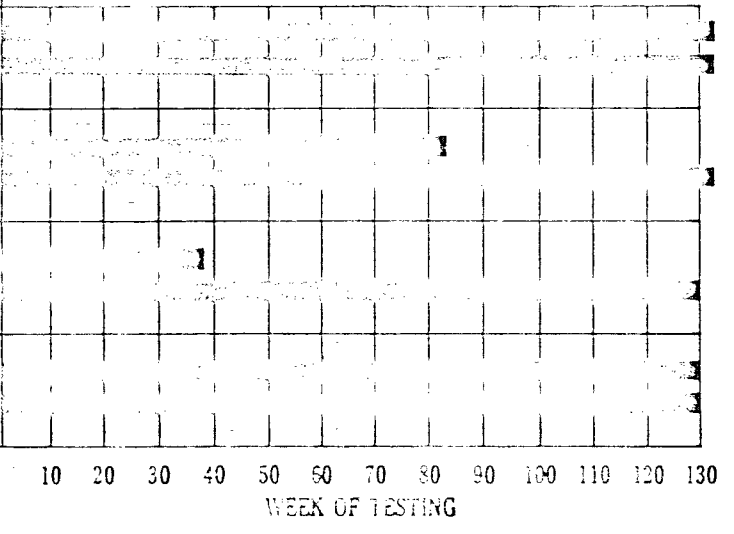
[illegible] Polyurethanes [illegible]

These tough, durable coatings outperform and outlast conventional industrial coatings in the most critical areas of protection. They defend against deterioration from more chemical and physical hazards in more industrial environments than epoxies, vinyls, alkyds, acrylics and oil base paints. And performance comparison tests show this superior resistance lasts longer than any provided by the standard coatings. Check the performance evaluation chart below for comparisons.

Comparison summary

The test control in the chart below is an epoxy polyamide system. In all four tested environments the polyurethane system (based on an epoxy primecoat) significantly outperformed the epoxy polyamide system slowing deterioration to lengthen recoat intervals, thus reducing overall maintenance costs.

ENVIRONMENT	SYSTEM
HEAVY INDUSTRIAL	CONTROL EPOXY PRIMER POLYURETHANE
WET	CONTROL EPOXY PRIMER POLYURETHANE
HCL	CONTROL EPOXY PRIMER POLYURETHANE
CAUSTIC	CONTROL EPOXY PRIMER POLYURETHANE



1 NO DETERIORATION

2 START FAILURE—EDGES, WELDS, PROMINENCES

3 COMPLETE FAILURE—EDGES, WELDS, PROMINENCES

4 START FAILURE—PLANE SURFACES

5 TOTAL FAILURE ON PLANE AND EDGE SURFACES

• lasts longer • looks better • costs less in the long run

glid-thane one Coatings are not conventional industrial coatings. They are high-performance coatings engineered to protect under the *most* demanding circumstances.

Take a close look at the chart below. After five years, even the costs of durable epoxy *doubled* when cumulative maintenance expenditures were factored in. The other standard coatings fared even worse. Only **glid-thane one** Polyurethane Coatings' original dollars per square foot cost remained constant—and that after a full eight years of continual service.

Think about what that kind of economy can mean over the long run.

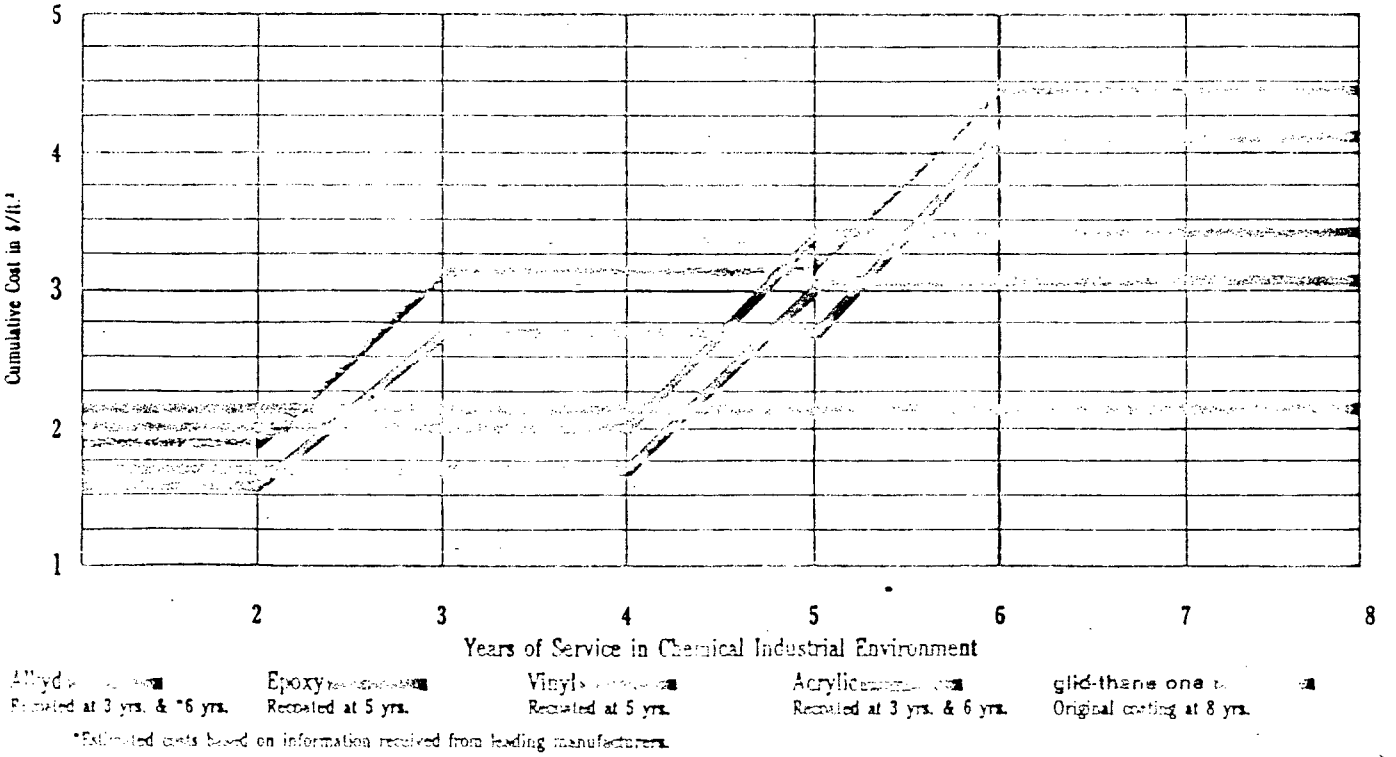
glid-thane one Coatings' outstanding impact and abrasion resistance extends the recoat cycle, cutting expenditures for both materials and labor. That same impact resistance means structural components can be coated before construction begins—often a distinct economic advantage but impractical unless the coating can take major abuse.

Products, equipment and structures are protected from thermal, physical and mechanical impact because this tough polyurethane film is flexible enough to give under pressure, accepting excessive stress and shock without breaking or cracking.

And because glid-thane is a one part moisture curing coating, it's faster and easier to apply than the two-part epoxies and urethanes. No mixing and measuring or finishing up opened containers within prescribed time limits. glid-thane one cures fast, too.

Longer equipment service life, reduced maintenance costs, fast application and cure and uncompromising abrasion and corrosion resistance—superior benefits from superior high-performance coatings.

glid-thane one *Polyurethane Coatings. Because the longest, most versatile lifetime protection yields the greatest economic advantage.*



*Estimated costs based on information received from leading manufacturers.

The comparison chart below shows just why it pays to go the whole way with all urethane chemistry. The glid-thane one moisture-cured polyurethanes contain no non-urethane resins in the vehicle portion of the coating. Moisture-cured Urethane is stable in storage for one year in unopened containers. Once the material has been opened and exposed to the atmosphere, package stability will be limited. This will depend upon local conditions such as relative humidity and temperature. Outstanding chemical resistance combined with unsurpassed impact and abrasion resistance make **glid-thane one** industry's first line of defensive coatings.

Typical properties: glid-thane one vs. two-part modified urethane

Product Characteristic	glid-thane one Aliphatic Urethane	Two-Part Modified Urethane
Generic Type	100% ALIPHATIC urethane	Modified with alkyd, polyester, or acrylic
Pot Life	Limited (longer than 2-part). Depends on relative humidity and temperature	Limited, shorter than single pack.
Resistance to 5% Salt Fog (1000 hrs. ASTM, D714)	No Effect	Blisters
Abrasion Resistance (ASTM C501-66; CS-17 Wheel, 1000 gm load, 1000 Rev.)	13-42 mg. loss depending upon color	60 mg. loss
Graffitti Resistance	Excellent	Polyester—Excellent Acrylic—Good
Artificial Weathering (1000 hrs. Weather-O-meter®)	Good-Excellent	Fair-Excellent Depends upon modification
Natural Exterior Weathering (Florida, 3 yrs. 45°)	Excellent	Acrylic—Excellent Alkyd—Poor Polyester—Good
-20°F. Cold Flex on Mandrel	Passes 1/8 inch	Fails 3/4 inch
GE Direct & Reverse Impact (50% elongation)	Pass	Fail
Gardner Direct & Reverse Impact (160 inch-pounds)	Pass	Fail
Chemical Resistance—90 Days Immersion 35% Sulfuric Acid 50% Sodium Hydroxide	 Pass Pass	 Fair to Good Fair to Good
Solvent Resistance—90 Days Immersion MEK Toluene	 Pass Pass	 Fair to Good Fair to Good
Stain Resistance Shoe Polish, Iodine, Lipstick	Good	Fair to Good

glid-thane one . . .

Tough, rugged protection outperforms them all

Test results in the chart below are clear proof of glid-thane one Coatings's superior resistance to a complete range of industrial environments. glid-thane one scored a 9.3 average compared to 8.8 for polyesters/urethanes, the closest competition.

Coating Type	Environment								
	Abrasion	Acids	Alkalies	Heat	Salts	Solvents	Water	Weathering	Average
glid-thane one Polyurethanes	10	10	9	8	10	8	9	10	9.3
Acrylics/Solvents	8	5	5	6	9	4	9	9	6.9
Alkyds	6	5	5	8	8	4	8	9	6.6
Chlorinated rubbers	7	9	9	5	10	3	10	7	7.5
Coal-tar epoxies	5	10	8	6	10	6	10	7	7.8
Epoxies	8	8	10	9	10	8	8	8	8.6
Polyesters/Urethanes	8	10	6	9	10	8	10	9	8.8
Silicones	7	6	6	10	8	6	9	9	7.6
Vinyls	6	10	8	4	10	3	10	10	7.6

Key: 10 Excellent 8-9 Good 6-7 Fair 1-5 Poor

PIONEER Janitorial Service & Supply Co., Inc.
CORPORATE OFFICE: 9231 130th AVENUE N. • LARGO, FLA. 33543 • (813) 586-5656
VIRGINIA BRANCH: HWYS. 40 & 49 • LUNENBURG, VA 23952 • (804) 696-2169

TDS #302 FLOOR SEALS

PRODUCT NAME: ARMOR-THANE

TYPE: Oil-free, moisture-cured polyurethane finish for wood and concrete floors. Amber liquid of moderate viscosity. Mild solvent odor. Blend of oil-free polyurethane polymers in appropriate solvents.

TYPICAL ANALYSIS AND PERFORMANCE CHARACTERISTICS:

A. Drying Time: (Depends on ambient conditions of temperature and humidity.)
   Tack Free: 4 hours (approx.)
   Hard: 8 hours
   Recoating: 10-12 hours
B. Adhesion: Excellent on wood and concrete.
C. Sward Hardness: After 24 hours - 29, After 72 hours - 66
D. Packaging: To exclude moisture, ARMOR-THANE is packaged in sealed containers under atmosphere of nitrogen. Use promptly after opening.
E. Stability Class: I - Some deterioration possible after 3 months of storage. Unstable after container has been opened or seal broken.

RECOMMENDED USES AND USERS:

For industrial, commercial and institutional use. Especially suitable for textile mills, factories and warehouses where extremely heavy traffic requires the ultimate in durability.

SPECIAL ADVANTAGES:

A. EXTREMELY DURABLE - ARMOR-THANE will outlast conventional good quality varnishes two or three times over. It possesses wearability and protective characteristics not found in usual alkyd, phenolic or epoxy seals.
B. CURES BY MOISTURE: Unlike most other varnishes which cure by reaction with drying oils, and whose cure is retarded by moisture, ARMOR-THANE cures rapidly and completely in a humid atmosphere. Water vapor interacts with the reactive sites in the ARMOR-THANE molecules and produces the hardening or cure desired.
C. RESISTS CHEMICALS - ARMOR-THANE is so resistant to chemicals that once applied and cured it cannot be stripped away by usual seal, paint and varnish strippers. Removal can only be accomplished by sanding.
D. LIGHT COLOR - ARMOR-THANE's light color brings out the natural beauty of wood floors. Moreover, it has excellent color stability and does not discolor with time - except when used outdoors.
E. ATTRACTIVE APPEARANCE - ARMOR-THANE produces a smooth glossy attractive surface which resists soiling, sheds light and simplifies maintenance, yet is safely anti-slip.
F. NON-TOXIC - Some moisture cured polyurethanes contain free or unreacted toluene di-isocyanate (TDI) which is hazardous. ARMOR-THANE contains less than 1.0% free T.D.I. (toluene di-isocyanate monomer). Accordingly, it is non-toxic in use, provided that normal precautions, which pertain to any seal, are observed.
G. GOOD SHELF LIFE - Sealed containers have been stored satisfactorily up to six months without any signs of deterioration; however, storage beyond three month is not recommended because of possible breakdown of the seal and leakage of moist air into the container.
H. GOOD POT LIFE - After seal is broken or contents of container exposed, pot life will depend on the amount of moisture in the air. Under normal circumstances, ARMOR-THANE will be stable for a week or longer before starting to thicken or deteriorate. Under conditions of very high humidity, pot life will be reduced accordingly.

DIRECTIONS FOR USE:

FOR PREVIOUSLY SEALED OR FINISHED WOOD FLOORS:

1. Old, conventional, sealers, finishes or paints should be removed by sanding or stripping with Puritan's FASTRIP and ACTIV. See FASTRIP label for detailed directions.
2. After stripping, floor should be wet scrubbed to remove residue of stripper. When dry, buff with #2 steel wool or synthetic screen pad. Follow steps listed on the label.

FOR NEW or NEWLY SANDED WOOD FLOORS:

3. Vacuum or clean dust from surface using tack rag or cloth dampened with mineral spirits to pick up dust.
4. For best adhesion thin ARMOR-THANE with Puritan's EXANE for the first application.
5. Apply with lamb's wool applicator.
6. Allow to dry thoroughly, then buff with #2 steel wool. Remove dust as recommended in number 3 above.
7. Second and third coats should then be applied following steps 2, 3, and 4 above. Do not buff the last coat with steel wool when gloss finish is desired.

FOR SURFACES PREVIOUSLY TREATED WITH ARMOR-THANE:
Clean surface thoroughly, buff to remove gloss and to roughen surface and recoat as recommended above.

FOR CONCRETE FLOORS:
New or untreated concrete must be acid etched with Puritan's CONCRETE NEUTRALIZER after it has cured for at least 6 months. If sealed before, test finish on small area; scratch coin when thoroughly hard and dry - preferably after 7-10 days. If poor adhesion, strip floor completely. Acid etch and rinse several times. Allow to dry overnight. For first application on concrete, ARMOR-THANE must be thinned with EXANE in ratio of 1 part of EXANE to 4 parts of ARMOR-THANE.

NOTE: Allow adequate fresh air to circulate during application and while drying and avoid low temperature. Thin only if necessary. For thinning and cleaning use Puritan's special thinner, EXANE, designed as a companion product for ARMOR-THANE.

8. For best adhesion, recoat no later than 24 hours after first coat; and burnish between coats with Fabricut or Screen-Bac Discs.

CAUTIONS:

A. ARMOR-THANE, like other paints or seals, should not be used when very cold -- it will be too viscous and not cure satisfactorily. Warm container to room temperature (75°-80°F.) before opening for use.
B. ARMOR-THANE cures rapidly in humid atmosphere and slowly when humidity is low. In winter months, when humidity is low, it may be necessary to raise humidity in the air to get rapid and complete cure. Spray or fog moisture into the air by means of an Electric F-982, or pressure sprayer; or, when seal has hardened, mop lightly with clear water. These or similar techniques will provide additional moisture and help speed cure.
C. Do not apply ARMOR-THANE over other coatings or varnishes. It may soften, wrinkle, or lift these coatings and produce poor bonding.

ARMOR-THANE

A MOISTURE-CURED POLYURETHANE FINISH

OIL FREE. FOR WOOD OR CONCRETE FLOORS.

DANGER: Keep out of reach of children.

HARMFUL OR FATAL IF SWALLOWED. VAPOR HARMFUL. FLAMMABLE. Contains xylol, ketones and esters. If swallowed do NOT induce vomiting. In case of contact with eyes, flood repeatedly with water. (In either case, call a physician.) Use with adequate ventilation. Keep away from heat and open flames. Avoid prolonged contact with skin and breathing of vapor or spray mist. Do not take internally. Close container after each use.

CAUTION: Do not apply ARMOR-THANE over any other seal without first testing to see if the two products are compatible. Clean the test area thoroughly, rinse and let dry. Apply ARMOR-THANE, let it dry and stand for 24 hours. If there is any lifting or blistering, do NOT use ARMOR-THANE over the old seal. Puritan/Churchill is not responsible for the use of this product over others with which it may not be compatible.

Formulated for Industrial, Commercial and Institutional Use ONLY.

ITEM NO. 302

DIRECTIONS
FOR PREVIOUSLY SEALED OR FINISHED WOOD FLOORS:

1. Old, conventional sealers, finishes or paints should be removed by sanding or stripping with Puritan's FASTRIP plus ACTIV. Add 1 part ACTIV to 10 parts FASTRIP.
2. After stripping, floor should be wet scrubbed to remove residue of stripper and sanded lightly to remove any residual old seal remaining on the surface. Buff with #2 steel wool or synthetic screen pad to smooth surface.
3. Follow steps listed below:

FOR NEW OR NEWLY SANDED FLOORS:

4. Vacuum or clean dust from surface using tack rag or cloths dampened with mineral spirits to pick up dust.
5. For best adhesion, thin ARMOR-THANE with Puritan's EXANE for the first application. Slowly add 1 quart EXANE to 1 gal. ARMOR-THANE. Stir well and use immediately after mixing. Thinned mixture cannot be stored. It will thicken and jell on exposure to moisture.
6. Apply with lamb's wool applicator.
7. Allow to dry thoroughly, then buff with #2 steel wool. Remove dust as recommended in No. 4 above.
8. Second and third coats should then be applied following steps 2, 4, and 6. For best adhesion, ARMOR-THANE should be recoated within 12 hours. Do not delay longer. Do not buff the last coat with steel wool when gloss finish is desired. Final coat should dry at least 12 hours before exposure to traffic. ARMOR-THANE may take 5 to 7 days to cure completely and to achieve maximum hardness, toughness and chemical resistance.

FOR SURFACES PREVIOUSLY TREATED WITH ARMOR-THANE: Clean surface thoroughly, buff to remove gloss and recoat as recommended above.

FOR CONCRETE FLOORS: New or untreated concrete should cure for 6 months. Then acid etch with Puritan's CONCRETE NEUTRALIZER. If sealed before, test finish on small area; scratch with coin when thoroughly hard and dry. If poor adhesion, strip floor to remove treatment. Acid etch for best results. Rinse and dry. For all applications on concrete, **ARMOR-THANE** must be thinned with Puritan's EXANE in the ratio of 1 part of EXANE to 4 parts of **ARMOR-THANE.**

NOTE: Allow adequate fresh air to circulate during application and while drying and avoid low temperatures. For thinning and cleaning use Puritan's special thinner, EXANE, designed as a companion product for **ARMOR-THANE.** See EXANE label for directions

PRECAUTIONS: Do not return used material to original container. Close container tightly and repackage into full containers to eliminate air moisture. **NOTE:** Keep from freezing. In order to insure rapid cure, warm to room temperature before applying to floor. **ARMOR-THANE** dries and cures rapidly in a humid atmosphere. During the winter months when humidity is low, it may be desirable to fog moisture into the air to promote rapid cure.

Flash Point 81° F. D.O.T. Description: Paint or Varnish

QUALITY CONTROL NUMBER NET CONTENTS

ATTACHMENT 24

Attachment 24 is the electrical, mechanical and safety equipment drawing identified as Drawing MEP-1 and located in the map tube.

INSPECTION PLAN

for

UNIVERSAL WASTE & TRANSIT

9th Avenue & Orient Rd.

Tampa, Florida

October, 1987

Table of Contents

INTRODUCTION

Universal Waste & Transit (UW&T) will inspect the storage/treatment area as indicated in the Inspecton Log Instructions for any malfunctions or deteriorations, operator errors, or discharges. UW&T will also follow this schedule for inspection of monitoring equipment; safety, emergency, and security devices; as well as operating and structural equipment that are important to preventing, detecting, or responding to environmental or human health hazards. The frequency of those inspections are indicated on the Inspection Log Instructions. UW&T will remedy any observed deterioration or malfunction of equipment or structures to insure that the problem does not lead to an environmental or human health hazard. If such a hazard is emminent or has already occurred, remedial action will be taken immediately. UW&T will record all inspections in our Inspection Log, which is also included with this submittal. This log will be kept for at least three years from the date that the inspection occurred.

If any discharge is noted the "Contingency Plan" will be implemented as required and the Discharge Log completed.

All inspections of the UW&T facility will be performed by the facility manager, or his designated representative, all of whom will be intimately aware of all equipment and devices at the facility in order to accurately assess their proper operation.

As indicated on the Inspection Log Instructions all container storage areas will be inspected on a daily basis. Any deterioration or malfunction of equipment or structures within the containment area which are revealed by the inspection will be remedied by UW&T within at least 14-days, or UW&T will submit within 7-days a schedule to correct the deficiencies to the Florida Department of Environmental Regulation. If any deterioration or malfunction of equipment or structures within the containment system pose an emminent hazard remedial action will be taken immediately.

Universal Waste & Transit

Inspection Log Instructions

1. Fill out the inspection log on a daily basis.
2. Check all drums for the following:
   a. Leakage
   b. Liquid under or near the drum
   c. Bulging lids or drums
   d. Gaseous releases (hissing)
   e. Signs of corrosion on drums
   f. Number of containers in each area
3. Check the solidification area for the following:
   a. Amount of material on hand
   b. Any signs of leaks or corrosion
4. Check the LEL meter daily
5. Insure all safety equipment and fire extinguishers are operational
6. Check sump level twice daily (morning/evening). Sample or discharge as required
7. Note any unusual or strong odors
8. Check for sufficient aisle space

UNIVERSAL WASTE & TRANSIT

9th Avenue & Orient Rd.

Tampa, Florida

Date:_____

Time:_____

Inspection Log

Inspection Area		Status	Remarks	Number o Containe
Drums	ORM-E			
	Poison			
	Corrosive			
	Flammable Liquid			
	Flammable Solid			
	Oxidizer			
	PCB			
	Reactive			
	Aerosols			
Treatment Areas	Solidification Area			
Explosivity Monitoring				
Safety Equipment				
Fire Extinguishers				
Mechanicals				
Ingress/Egress Areas				

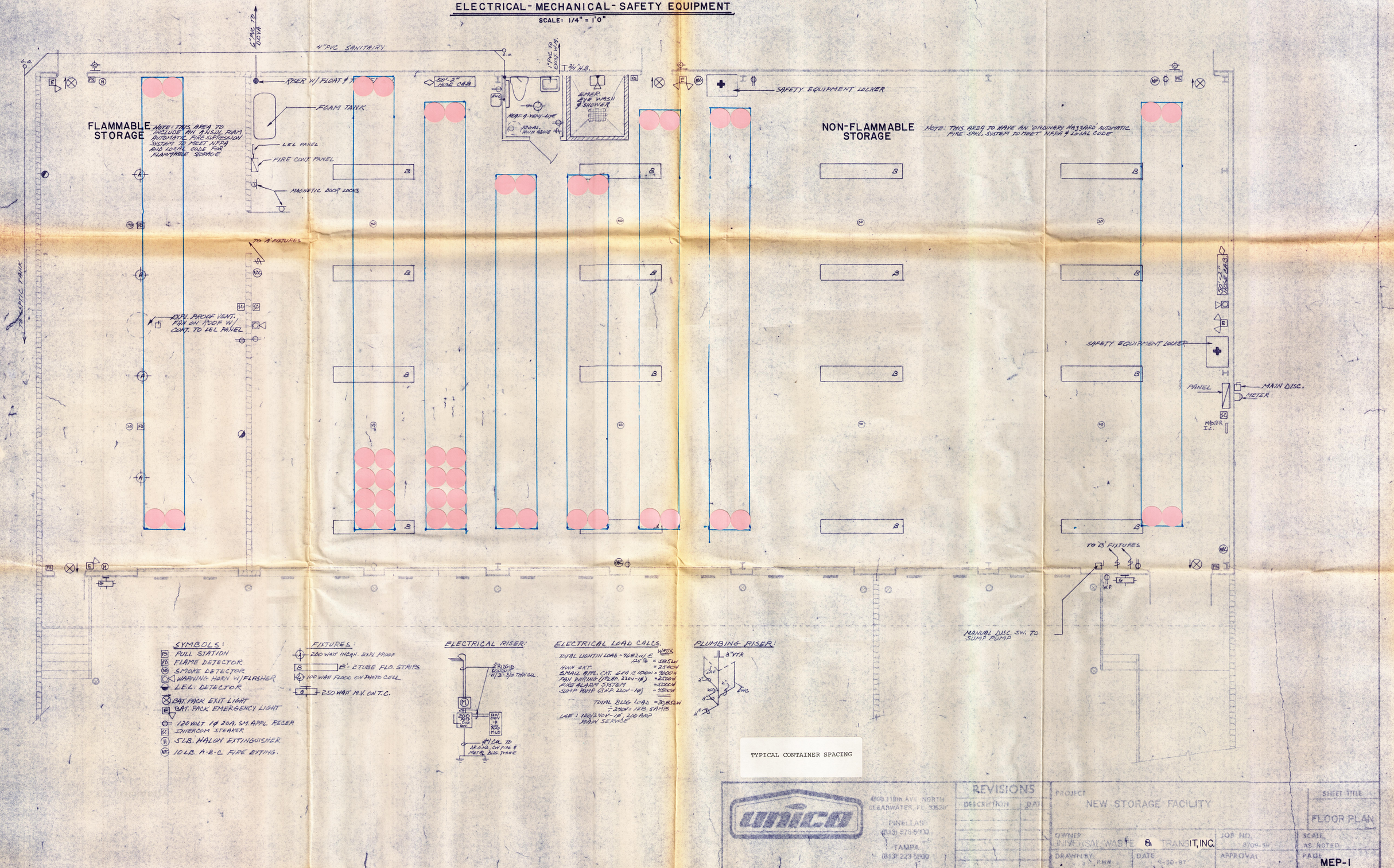
Remedial Action Taken (if required) _____

Inspection by: _____ Approved by: _____

Universal Waste & Transit

ELECTRICAL - MECHANICAL - SAFETY EQUIPMENT

SCALE: 1/4" = 1'0"



SYMBOLS:

- PS PULL STATION
- FD FLAME DETECTOR
- SD SMOKE DETECTOR
- WARNING HORN W/ FLASHER
- L.E.L. DETECTOR
- BAT. PACK EXIT LIGHT
- BAT. PACK EMERGENCY LIGHT
- 120 VOLT 1Ø 20A. SM. APPL. RECEP.
- IC INTERCOM SPEAKER
- H 5 LB. HALON EXTINGUISHER
- ABC 10 LB. A-B-C FIRE EXTHG.

FIXTURES:

- A 200 WATT INCAN. EXPL PROOF
- B 8'- 2 TUBE FLO. STRIPS
- C 100 WATT FLOOD ON PHOTO CELL
- G 250 WATT M.V. ON T.C.

ELECTRICAL RISER:

ELECTRICAL LOAD CALCS.

	WATTS
TOTAL LIGHTING LOAD = 9682 WATTS @ 125 %	= 5815 W
HVAC EXT.	= 2500 W
SMALL APPL. CKT. (2 @ 1500 W)	= 3000 W
FAN WIRING (1/2 H.P. 220V-1Ø)	= 2500 W
FIRE ALARM SYSTEM	= 500 W
SUMP PUMP (G.P.D. 220V-1Ø)	= 3520 W
TOTAL BLDG. LOAD	= 30,185 W
÷ 240V = 126 AMPS	

USE: 120/240V-1Ø 200 AMP MAIN SERVICE

PLUMBING RISER:

TYPICAL CONTAINER SPACING

UNICO
4800 118th AVE NORTH
CLEARWATER, FL 33520
PINELLAS (813) 576-6900
TAMPA (813) 223-5900

REVISIONS		
DESCRIPTION	DATE	

PROJECT: NEW STORAGE FACILITY

SHEET TITLE: FLOOR PLAN

OWNER: UNIVERSAL WASTE & TRANSIT, INC.

JOB NO. 8709-SH

SCALE: AS NOTED

DRAWN BY: P.M.W.

DATE: 9-30-87

APPROVAL:

PAGE: MEP-1

UDB;UWT
Update Data Base ; UWT.ASP

Title: UNIVERSAL WASTE DRUM TRACKING INVENTORY
Author: W.A. THOMAS
Created 10/23/87 4:12 am by WAT
Last modified 10/23/87 4:21 am by WAT

Number of DRUM in data base: 0 total, 0 hidden, 0 net.

Data Base totals 15175 bytes. 93 data elements and 72 abbreviations have been
  defined.
96 modifications have been made to this Data Base.

Print Option = 3
Indentation = 0
Unknown Character Limit = 0
Unknown Character =
Standard Print Option = 2
Characters per Line = 132
Lines per Page = 16000
Terminal Type = 1 : ANSI
Playback OFF

Enter next command: LD1

E1. DRUM
E2. CLIENT CODE
E3. DOATE
E4. CLIENT EPA ID
E5. CLIENT NAME
E6. UST FACILITY EPA ID
E7. CONTAINER CONTENTS
E8. CONTAINER CONTENTS COMMENT
E9. CHEMIST
E10. PROPER SHIP NAME
E11. UWT FACILITY CODE
E12. DOT CONTAINER TYPE
E13. CONTAINER SIZE
E14. UN NA NUMBER
E15. HAZ MAT
E16. DOT HAZARD CLASS
E17. EPA WASTE CODE NUMBER
E18. EPA WASTE CODE CONTINUED
E19. DISPOSAL SITE RECEIVING
E20. MATERIAL
E21. MATERIAL CONTAINER DESC
E22. MAT CONTAINER SIZE
E23. MATERIAL QUANITY
E24. INCOMING MANIFEST NUMBER
E25. TRUCK ID NUMBER
E26. TRUCK TYPE
E27. UWT DATE RECEIVED
E28. IN LOAD CHECKED BY
E29. INCOMING MANIFEST OK
E30. INCOMING MANIFEST SIGNED BY
E31. DRUMS RELABLED
E32. INCOMING DESCREPANCY
E33. IN DESCREPANCY COMMENT
E34. OFF SPEC CHARGE
E35. DISPOSAL AUTHORIZATION NUMBER

E37. BAY NUMBER
E38. STATE WASTE CODE
E39. STATE MANIFEST NUMBER
E40. UWT QC DRUM CHECK
E41. UWT QC TRUCK CHECK
E42. QC REJECT
E43. QC COMMENTS1
E44. COMMENTS2
E45. QC REJECT COMMENTS
E46. QC REJECT DISPOSITION
E47. CLIENT DISPOSAL CERTIFICATE SENT
E48. CLIENT RETURN MANIFEST SENT
E49. OUTBOUND MANIFEST NUMBER
E50. QUANITY SHIPPED
E51. OUTBOUND SHIP DATE
E52. FINAL DISPOSAL METHOD
E53. WORK ORDER NUMBER
E54. DRUM TREATED
E55. DRUM NUMBER TREATED
E56. DR TREATED COMMENT
E57. DR TREATED DATE
E58. UWT RETURN MANIFEST RECEIVED
E59. OUTBOUND LOAD CHECKED BY
E60. OUTBOUND LOAD OK
E61. FINAL DISPOSAL EPA ID
E62. C MAIL ADDRESS
E63. C MAIL CITY
E64. C MAIL STATE
E65. C MAIL ZIP
E66. BILLING PHONE
E67. INCOMING TRANSPORTER
E68. INCOMING TRANS EPA ID
E69. IN TRANS ST ADDRESS
E70. IN TRANS CITY
E71. IN TRANS STATE
E72. IN TRANS ZIP
E73. IN TRANS PHONE
E74. ADDRESS ON MANIFEST
E75. CLIENT ST ADDRESS
E76. CLIENT CITY
E77. CLIENT STATE
E78. CLIENT ZIP
E79. CLIENT PHONE
E80. CLIENT CONTACT
E81. OUTBOUND TRANSPORTER
E82. OUT TRANS EPA ID
E83. OUT TRANS STREET ADDRESS
E84. OUT TRANS CITY
E85. OUT TRANS STATE
E86. OUT TRANS ZIP
E87. OUT TRANS PHONE
E88. OUT TRANS CONTACT
E89. CLIENT BILLING CONTACT
E90. CLIENT MAIL NAME
E91. IN TRANS CONTACT
E92. DRUM WEIGHT
E93. CLIENT COMMENT COLUM

Enter next command: ADD

CONTAINER CONTENTS: INCOMING MANIFEST NUMBER:
DDATE: CLIENT CODE: DRUM:
PROPER SHIP NAME:

UWT FACILITY CODE: DISPOSAL AUTHORIZATION NUMBER:
DOT CONTAINER TYPE: CONTAINER SIZE:
UN NA NUMBER: HAZ MAT:
DOT HAZARD CLASS:
EPA WASTE CODE NUMBER:
EPA WASTE CODE CONTINUED:
BIN NUMBER: DRUM WEIGHT:
DISPOSAL SITE RECEIVING:
OUTBOUND MANIFEST NUMBER:
UWT WASTE PROFILE NUMBER:
CONTAINER CONTENTS COMMENT:

CLIENT COMMENT COLUM:

C < C= Clear, D= Done, H= Hold, R= Refresh

CONTAINER CONTENTS: LP INCOMING MANIFEST NUMBER: 87002

ODATE: 871101 CLIENT CODE: WWW DRUM: 1
PROPER SHIP NAME:
WASTE POISON B LIQUID NOS

UWT FACILITY CODE: DISPOSAL AUTHORIZATION NUMBER: TEST

DOT CONTAINER TYPE: 17H CONTAINER SIZE: 55
UN NA NUMBER: UN2810 HAZ MAT: X
DOT HAZARD CLASS: U223 P030
EPA WASTE CODE NUMBER:
EPA WASTE CODE CONTINUED:
BIN NUMBER: POIS DRUM WEIGHT: 345
DISPOSAL SITE RECEIVING: TEST
OUTBOUND MANIFEST NUMBER: 980001
UWT WASTE PROFILE NUMBER: PEST1234
CONTAINER CONTENTS COMMENT:
TEST XXXXXXXXXXXXXXXXXXXXXXXX
CLIENT COMMENT COLUM:
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

C < C= Clear, D= Done, H= Hold, R= Refresh

OUTBOUND MANIFEST NUMBER: 87001
ODATE: 871001   CLIENT CODE: YYY   DRUM: 001
PROPER SHIP NAME:
 WASTE CORROSIVE LIQUID NOS
DOT CONTAINER TYPE: SPEC 34   CONTAINER SIZE: 55
N NA NUMBER: NA1270   HAZ MAT: X
DOT HAZARD CLASS: D002
EPA WASTE CODE NUMBER:
EPA WASTE CODE CONTINUED:
BIN NUMBER: CORR
OUTBOUND MANIFEST NUMBER: 87001   OUTBOUND SHIP DATE: 871201
WORK ORDER NUMBER: TEST123456
DISPOSAL AUTHORIZATION NUMBER: LPPP
STATE WASTE CODE: NA   STATE MANIFEST NUMBER: NA

U (D-one,H-ide,N-ext,Q-uery,R-efresh,U-pdate

INCOMING MANIFEST NUMBER: 87002 CLIENT CODE: XXX
CONTAINER CONTENTS: LP INCOMING MANIFEST NUMBER: 87002

DDATE: 870101 CLIENT CODE: XXX DRUM: 001 CHEMIST: WAT

PROPER SHIP NAME:
WASTE FLAMMABLE LIQUID
UWT FACILITY CODE: DISPOSAL AUTHORIZATION NUMBER:

DOT CONTAINER TYPE: 17H CONTAINER SIZE: 55
UN NA NUMBER: UN1993 HAZ MAT: X
DOT HAZARD CLASS: FLAMMABLE LIQUID
EPA WASTE CODE NUMBER: D001
EPA WASTE CODE CONTINUED:
BIN NUMBER: DRUM WEIGHT:
OUTBOUND MANIFEST NUMBER:
UWT WASTE PROFILE NUMBER:
CONTAINER CONTENTS COMMENT:
LAB PACK

R <D-one,H-ide,N-ext,Q-uery,R-efresh,U-pdate

DRUM: 1   BIN NUMBER: CORR   DRUM WEIGHT: 600

CONTAINER CONTENTS: INCOMING MANIFEST NUMBER: 87005
ODATE: 871103   CLIENT CODE: WWW   CHEMIST: WAT
PROPER SHIP NAME:
WASTE CORROSIVE LIQUID NOS
UWT FACILITY CODE: DISPOSAL AUTHORIZATION NUMBER: 123456

DOT CONTAINER TYPE: SPEC 34   CONTAINER SIZE: 55
UN NA NUMBER: UN1270   HAZ MAT: X
DOT HAZARD CLASS: CORROSIVE MATERIAL
EPA WASTE CODE NUMBER: D002 XXX XXX XXX XXX XXX XXX
EPA WASTE CODE CONTINUED: XXX XXX XXX XXX XXX XXX X
DISPOSAL SITE RECEIVING: WASTEWATER TREATMENT XXXX

OUTBOUND MANIFEST NUMBER: 99999
UWT WASTE PROFILE NUMBER: TEST1234

CONTAINER CONTENTS COMMENT:
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
CLIENT COMMENT COLUM:
XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

C < C= Clear, D= Done, H= Hold, R= Refresh

UWT BAY LOCATION
PLEASE HAVE CURRENT BIN INVENTORY

DDATE: 971103 CLIENT CODE: WWW

DDATE: DDATE CLIENT CODE: CLI DRUM: DRU
CLIENT NAME: CLIENT NAME
PROPER SHIP NAME:
PROPER SHIP NAME
DOT HAZARD CLASS: DOT HAZARD CLASS UN NA NUMBER: UN NA

BIN NUMBER: BIN NUMB DRUM WEIGHT: DRU

Q <D-one,H-ide,N-ext,Q-uery,R-efresh,U-pdate Enter query values

UWT BAY LOCATION
PLEASE HAVE CURRENT BIN INVENTORY

DDATE: 971103 CLIENT CODE: WWW

DDATE: 971103 CLIENT CODE: WWW DRUM: 001
CLIENT NAME:
PROPER SHIP NAME:
WASTE CORROSIVE LIQUID NOS
DOT HAZARD CLASS: CORROSIVE MATERIAL UN NA NUMBER: UN1270

BIN NUMBER: CORR DRUM WEIGHT: 600

U <D-one,H-ide,N-ext,Q-uery,R-efresh,U-pdate

WWW
ENTER INBOUND MANIFEST NUMBER --> 87001

Enter next command: DTS
ENTER CLIENT CODE --> WWW
ENTER INBOUND MANIFEST NUMBER --> 87005

1 combination of values was found. 0 lines containing only unknown data were skipped. 0 duplicate combinations of values were found.

MANIFEST NUMBER 87005

DRUM NUMBER	DR SIZE	DOT SPEC	PROPER SHIPPING NAME	DOT ID NUMBER	UNT BIN #
871103 WWW 001 _____	55	SPEC 34	WASTE CORROSIVE LIQUID NOS	UN1270	CORR

DISPOSAL SITE _____ DATE RECEIVED _____OFFLOADED BY _____

Enter next command:

ATTACHMENT 28

Richard J. Powell, P.E.

Age 41, received his B.S. degree in chemical engineering from the University of Missouri. Mr. Powell is a professional engineer registered in the State of Florida. From 1975-77 he worked as an environmental engineer for the State of Missouri. From 1977-79 he was an engineering consultant for Science Application, Inc., Washington, D.C. From 1979-81 he worked as an environmental engineer for Evaluation Resources Corp., where he worked as a consultant to the EPA and U.S. Dept. of Energy. From 1981-82 he was a process engineer for Badgler American Corp., Tampa, Florida. Department of Environmental Regulation of Hazardous Waste, Tampa, Florida. From 1984-87 he worked as a senior project engineer for CH2M Hill, Tampa, Florida. From 4/87 to the present he has worked as a manager of environmental engineering at Moretrench Environmental Services, Inc. in Tampa, Florida. Board of Directors of Universal Waste & Transit.

ATTACHMENT 29

UNIVERSAL WASTE & TRANSIT

Job Description Prerequisites

Title

Facility Manager
Masters degree in physical science and two years experience in waste mangement or four years experience in waste management with bachelors degree in lieu of masters degree.

Traffic Manager
Bachelors degree in physical science; engineering.

Facility Chemist
Bachelors degree in chemistry with two years experience in the waste management area.

Hazardous Waste Technician
Bachelors degree or associate degree in environmental technology and one year experience in waste management field or three years experience in lieu of degree.

Emergency Response Crew
Same as above a minimum.

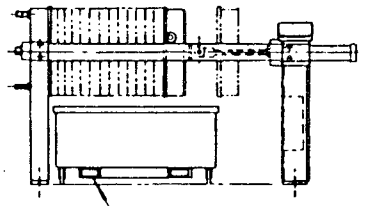
Site Cleanup Supervisor
Bachelors degree preferred, associate degree accepted with construction background.

Analytical Technician
Associates degree in environmental technology or related discipline.

Waste Handling Technician
Associates degree preferred, high school diploma required with in-house training mandatory.

ATTACHMENT 30

Attachment 30 is the UW&T Waste Analysis Plan and is located in Volume 3 ofthis submittal.

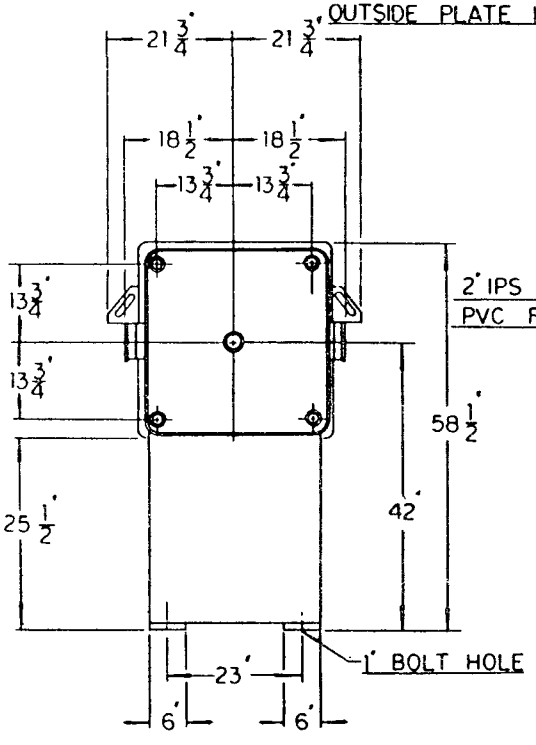


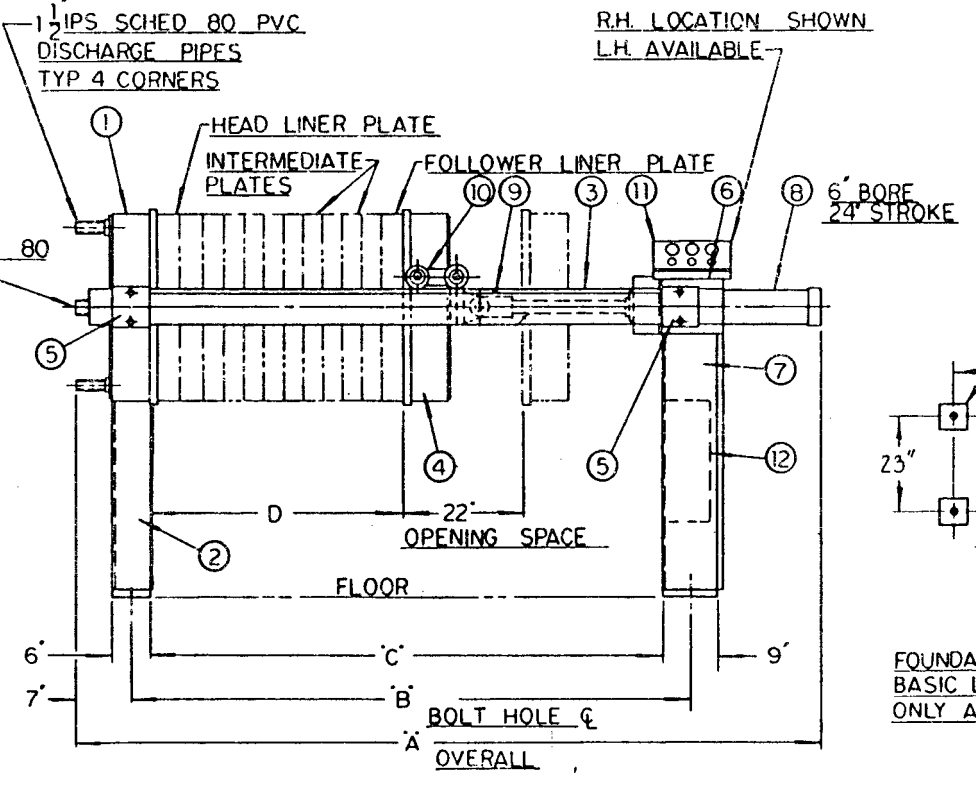
FILTER CAKE DUMPSTER
(SELF DUMPING) OPTIONAL

PLATES TO BE CENTER FEED 4 CORNER DISCHARGE. PLATES OF POLYPROPYLENE GASKETED CONSTRUCTION WITH $\frac{5}{8}$" RECESSES FOR $1\frac{1}{4}$" THICK CAKES

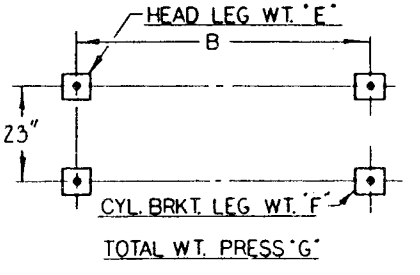
30" SIZE (800 MM) FILTER PRESS					
CUBIC FEET	A	B	C	D	NO OF CHAMBERS
3	100 1/4	67 3/4	60 1/4	17	6
5	109 1/4	76 1/4	68 3/4	25 1/2	10
6	113 3/4	81 1/4	73 3/4	30 1/2	12
8	122 3/4	90 1/4	82 3/4	39 1/2	16
10	131 3/4	99 1/4	91 3/4	48	20
12	140 3/4	108 1/4	100 3/4	57	24
15	154 1/4	121 3/4	114 1/4	70 1/2	30
20	176 1/2	144	136 1/2	92 3/4	40
25	199	166 1/2	159	115 3/4	50
30	221	188 1/2	181	137 3/4	60

ITEM NO	QUAN	DESCRIPTION
1	1	HEAD
2	1	HEAD LEG
3	2	SIDE BAR
4	1	FOLLOWER
5	4	JOGGLE PLATE
6	1	CYLINDER BRACKET
7	1	CYLINDER BRACKET LEG
8	1	CYLINDER
9	2	S.S. SIDE BAR CAPS
10	3	FOLLOWER ROLLER
11	1	CONTROL CENTER
12	1	HYDRAULIC PUMPING UNIT





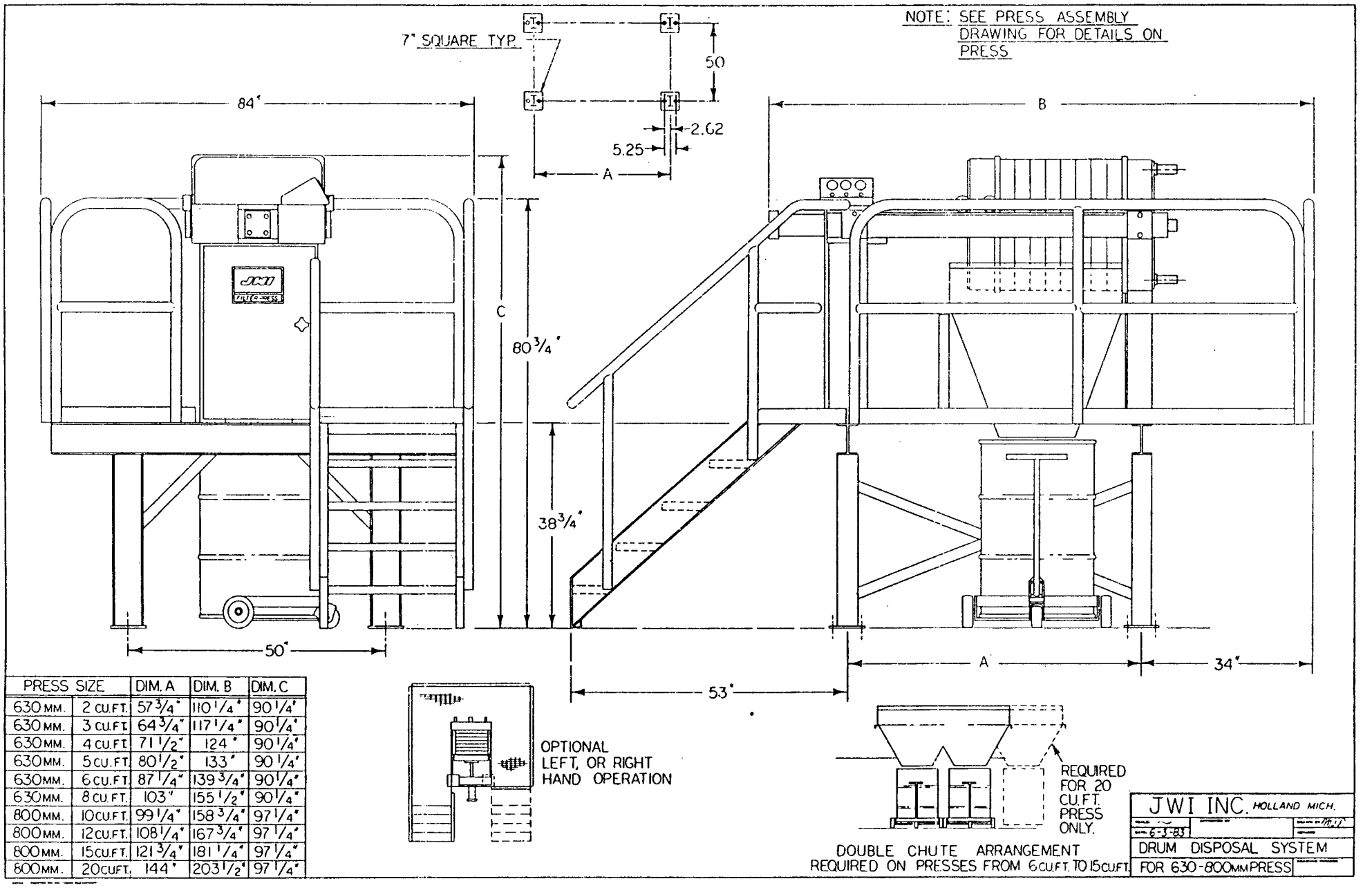
WEIGHT IN POUNDS			
CUBIC FEET	E	F	G
3	2130	1420	3550
5	2340	1560	3900
6	2460	1640	4100
8	2670	1780	4450
10	2880	1920	4800
12	3090	2060	5150
15	3420	2280	5700
20	3960	2640	6600
25	4500	3000	7500
30	5010	3340	8350



FOUNDATION DIMENSIONS ARE FOR BASIC LAYOUT ONLY. GROUT BOLTS ONLY AFTER INSTALLATION OF PRESS

JNI
10-4-84
800MM (30")
FILTER PRESS

ATTACHMENT 31



PRESS SIZE		DIM. A	DIM. B	DIM. C
630 MM.	2 CU.FT.	57 3/4"	110 1/4"	90 1/4"
630 MM.	3 CU.FT.	64 3/4"	117 1/4"	90 1/4"
630 MM.	4 CU.FT.	71 1/2"	124"	90 1/4"
630 MM.	5 CU.FT.	80 1/2"	133"	90 1/4"
630 MM.	6 CU.FT.	87 1/4"	139 3/4"	90 1/4"
630 MM.	8 CU.FT.	103"	155 1/2"	90 1/4"
800 MM.	10 CU.FT.	99 1/4"	158 3/4"	97 1/4"
800 MM.	12 CU.FT.	108 1/4"	167 3/4"	97 1/4"
800 MM.	15 CU.FT.	121 3/4"	181 1/4"	97 1/4"
800 MM.	20 CU.FT.	144"	203 1/2"	97 1/4"